

Mathematics: Number / Applying

B_MD1_01 ME72002: Show 28 is a perfect number - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	35.2	32.3	59.5	32.3	59.5	7.6	0.5	33.0	36.8
Austria	685	25.2	20.4	60.6	20.4	60.6	19.0	0.0	25.2	25.1
Azerbaijan	896	38.1	25.2	40.9	25.2	40.9	33.4	0.5	39.8	36.6
Bahrain	744	14.3	12.3	73.4	12.3	73.4	14.0	0.4	10.9	17.5
Brazil	3296	5.6	4.0	68.6	4.0	68.6	25.2	2.1	3.3	7.7
Chile	650	3.1	2.0	63.0	2.0	63.0	33.9	1.1	2.7	3.5
Chinese Taipei	1101	63.0	60.7	35.6	60.7	35.6	3.6	0.0	67.2	59.3
Cyprus	610	32.1	26.8	56.7	26.8	56.7	16.5	0.0	36.5	27.9
Czech Republic	1170	34.6	26.9	50.8	26.9	50.8	21.8	0.5	36.0	33.3
England	596	39.1	33.4	51.9	33.4	51.9	14.5	0.2	37.7	40.8
Finland	860	5.3	4.4	77.9	4.4	77.9	16.8	1.0	6.3	4.5
France	653	19.7	15.7	64.1	15.7	64.1	19.9	0.3	18.1	21.3
Georgia	706	33.7	23.2	45.7	23.2	45.7	29.8	1.3	34.9	32.5
Hong Kong SAR	642	49.3	45.9	47.2	45.9	47.2	6.7	0.2	45.7	52.9
Hungary	800	40.1	35.3	52.7	35.3	52.7	12.0	0.0	39.2	41.0
Ireland	726	44.9	40.5	49.7	40.5	49.7	9.7	0.1	44.3	45.4
Israel	758	23.1	18.5	61.7	18.5	61.7	18.6	1.2	19.3	26.4
Italy	670	39.4	32.6	50.1	32.6	50.1	17.0	0.3	41.0	38.1
Japan	775	69.9	58.1	25.1	58.1	25.1	16.7	0.1	71.0	68.8
Jordan	596	7.7	7.0	84.2	7.0	84.2	8.6	0.2	9.2	6.2
Kazakhstan	926	20.3	15.9	62.6	15.9	62.6	21.4	0.1	18.2	22.2
Korea, Rep. of	849	73.1	69.1	25.4	69.1	25.4	5.1	0.5	76.0	70.3
Lithuania	791	33.1	26.9	54.4	26.9	54.4	18.7	0.0	34.3	31.7
Malaysia	1275	7.4	7.1	88.6	7.1	88.6	4.0	0.3	7.4	7.4
Malta	592	34.6	30.7	58.1	30.7	58.1	10.8	0.4	34.3	34.9
Morocco	760	7.3	5.1	64.9	5.1	64.9	28.7	1.2	7.8	6.8
New Zealand	553	32.5	27.9	58.1	27.9	58.1	12.9	1.2	25.5	38.8
Norway (9)	912	6.2	4.6	69.3	4.6	69.3	23.3	2.8	6.9	5.6
Oman	710	10.7	9.5	79.2	9.5	79.2	11.0	0.3	12.5	9.2
Palestinian Nat'l Auth.	566	4.3	3.9	87.6	3.9	87.6	8.0	0.5	5.3	3.2
Portugal	773	30.2	23.4	54.1	23.4	54.1	22.2	0.2	28.8	31.4
Qatar	620	17.3	15.3	73.2	15.3	73.2	10.8	0.7	15.9	18.6
Romania	544	36.8	29.9	51.3	29.9	51.3	18.1	0.7	39.1	34.8
Saudi Arabia	505	4.0	3.7	90.1	3.7	90.1	5.6	0.5	4.0	3.9
Singapore	949	59.8	58.8	39.5	58.8	39.5	1.5	0.2	59.8	59.8
Sweden	725	10.7	7.5	62.9	7.5	62.9	27.0	2.7	9.2	12.0
Turkiye	701	59.6	53.7	36.4	53.7	36.4	9.8	0.1	61.1	58.0
United Arab Emirates	4041	31.7	29.2	62.9	29.2	62.9	6.9	1.0	30.4	32.9
United States	1167	28.9	27.1	66.7	27.1	66.7	3.9	2.3	28.1	29.6
Uzbekistan	632	13.8	10.5	66.0	10.5	66.0	22.9	0.6	12.6	14.9
International Avg. (40)	36733	28.6	24.6	59.3	24.6	59.3	15.4	0.7	28.5	28.8
Abu Dhabi, UAE	1033	18.1	16.4	74.2	16.4	74.2	8.4	1.0	18.3	17.9
Dubai, UAE	1178	49.3	45.6	46.9	45.6	46.9	6.0	1.5	44.8	53.2
Sharjah, UAE	941	31.8	29.3	62.7	29.3	62.7	7.1	0.9	33.2	30.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_02 ME72188: 3 tenths + 107 thousandths = - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	30.0	13.9	52.9	29.6	2.3	0.6	0.6	28.6	31.4
Austria	685	34.5	12.2	51.0	34.2	1.9	0.7	0.0	34.9	34.0
Azerbaijan	896	47.9	15.2	33.2	46.4	2.0	2.5	0.7	48.4	47.5
Bahrain	744	27.3	25.1	44.0	26.9	2.5	0.9	0.6	23.2	31.1
Brazil	3296	18.4	23.8	49.6	17.6	5.1	1.1	2.7	16.1	20.7
Chile	650	23.7	21.8	44.3	22.3	5.5	4.7	1.3	20.8	26.9
Chinese Taipei	1101	66.2	6.5	25.4	66.1	1.8	0.1	0.0	65.7	66.7
Cyprus	610	33.2	17.7	45.4	32.9	3.0	0.7	0.3	31.3	35.0
Czech Republic	1171	51.7	9.5	36.5	50.8	1.5	1.1	0.7	51.4	52.0
England	596	34.0	11.0	52.4	33.5	1.6	1.3	0.2	33.3	34.7
Finland	860	30.5	13.5	51.3	29.8	3.1	1.3	1.0	30.9	30.2
France	653	40.4	11.7	45.0	39.8	2.1	0.7	0.7	37.1	43.5
Georgia	707	42.5	20.3	33.9	41.1	1.5	1.2	2.0	40.4	44.5
Hong Kong SAR	642	44.1	6.3	46.1	43.6	2.9	0.9	0.2	38.1	49.6
Hungary	800	48.1	14.4	35.8	48.0	1.5	0.3	0.0	43.3	52.6
Ireland	726	27.5	13.2	56.7	27.3	2.0	0.6	0.1	19.5	34.5
Israel	758	31.1	15.1	48.6	29.8	2.4	2.5	1.6	30.8	31.3
Italy	670	42.3	16.9	37.1	41.8	3.0	0.8	0.4	40.4	43.9
Japan	775	70.0	6.8	19.4	68.9	3.3	1.5	0.1	69.0	70.9
Jordan	599	24.6	27.9	43.3	24.4	3.7	0.5	0.2	24.6	24.6
Kazakhstan	926	44.6	18.6	34.0	44.0	2.1	0.9	0.4	43.4	45.8
Korea, Rep. of	849	57.8	9.2	31.0	57.3	1.6	0.5	0.5	60.0	55.7
Lithuania	790	37.9	14.7	45.9	37.9	1.4	0.2	0.0	38.5	37.3
Malaysia	1275	27.7	18.1	49.9	27.4	3.2	0.5	0.9	27.0	28.6
Malta	592	24.5	13.3	60.0	24.2	1.4	0.7	0.4	22.8	26.2
Morocco	760	19.4	22.3	49.5	18.9	6.6	1.0	1.7	19.0	20.0
New Zealand	553	25.7	15.5	54.4	24.7	1.6	2.2	1.6	20.7	30.4
Norway (9)	912	32.0	12.0	48.3	30.5	4.6	1.2	3.5	31.7	32.2
Oman	711	22.7	27.5	43.3	22.3	5.1	1.4	0.3	25.0	20.8
Palestinian Nat'l Auth.	566	27.4	25.2	40.1	27.0	6.3	0.7	0.6	28.1	26.7
Portugal	774	33.1	19.4	44.2	32.7	2.4	0.7	0.5	30.9	35.2
Qatar	620	22.0	16.9	55.3	21.2	3.0	1.8	1.8	20.0	23.9
Romania	547	30.5	14.6	48.9	29.1	2.8	2.3	2.2	28.5	32.2
Saudi Arabia	505	23.3	28.8	43.3	23.1	4.0	0.3	0.5	20.8	25.6
Singapore	949	49.6	5.4	44.0	49.5	0.9	0.0	0.2	45.6	53.1
Sweden	725	41.8	12.9	40.5	39.5	1.6	1.6	3.9	36.7	46.5
Turkiye	701	27.2	15.1	54.1	26.7	2.5	1.5	0.1	23.8	30.6
United Arab Emirates	4042	32.5	17.8	45.6	31.5	2.2	1.4	1.6	29.6	35.2
United States	1167	37.2	14.5	44.0	36.0	2.2	0.3	2.9	38.5	35.9
Uzbekistan	632	24.2	21.9	50.3	23.7	2.1	1.0	1.0	21.7	26.7
International Avg. (40)	36743	35.2	16.2	44.5	34.6	2.8	1.1	1.0	33.5	36.9
Abu Dhabi, UAE	1034	25.3	23.5	46.0	24.5	3.0	1.2	1.8	21.9	28.4
Dubai, UAE	1178	40.4	12.3	44.0	39.0	1.2	1.7	1.9	36.6	43.7
Sharjah, UAE	941	32.0	18.0	45.7	31.0	2.2	1.6	1.5	29.0	34.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MD1_03 ME72035: Value of M in $3/4 \times M = 1/2$ - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1206	19.3	16.5	0.5	70.8	17.0	70.8	11.6	0.6	17.5	21.0
Austria	685	22.6	18.3	1.1	66.6	19.4	66.6	13.7	0.3	25.0	20.6
Azerbaijan	896	49.8	41.1	0.1	41.4	41.1	41.4	16.8	0.7	52.6	47.2
Bahrain	744	19.5	18.3	0.0	75.5	18.3	75.5	5.3	0.8	20.5	18.6
Brazil	3291	8.6	6.9	0.0	73.3	6.9	73.3	16.8	3.0	8.5	8.8
Chile	649	6.8	4.5	0.0	62.5	4.5	62.5	31.1	1.8	8.1	5.5
Chinese Taipei	1101	73.4	72.4	0.1	26.3	72.5	26.3	1.2	0.0	78.1	69.1
Cyprus	610	27.9	23.2	0.3	60.8	23.5	60.8	15.4	0.3	29.7	26.1
Czech Republic	1169	35.9	29.7	0.3	53.6	30.0	53.6	15.5	0.9	35.8	36.1
England	596	28.5	22.9	0.2	58.0	23.2	58.0	18.6	0.2	26.7	30.6
Finland	858	13.0	10.2	1.0	75.3	11.3	75.3	12.4	1.0	14.4	11.9
France	651	11.8	9.3	0.4	71.9	9.7	71.9	17.7	0.7	11.3	12.3
Georgia	706	35.8	29.1	0.1	52.5	29.2	52.5	16.2	2.0	34.6	36.9
Hong Kong SAR	640	58.9	54.3	1.6	39.0	55.9	39.0	4.8	0.2	56.7	60.9
Hungary	800	24.0	19.5	1.4	66.2	20.9	66.2	12.9	0.0	21.5	26.2
Ireland	726	19.2	16.2	0.6	70.6	16.8	70.6	12.5	0.1	15.3	22.5
Israel	758	22.1	17.6	0.6	63.9	18.2	63.9	16.1	1.8	17.8	25.7
Italy	670	45.1	37.1	0.0	45.2	37.1	45.2	17.1	0.5	45.7	44.6
Japan	775	70.7	65.8	0.0	27.2	65.8	27.2	6.9	0.1	69.6	71.7
Jordan	599	14.2	13.3	0.5	83.2	13.8	83.2	2.9	0.2	14.1	14.4
Kazakhstan	926	26.4	23.0	0.3	65.0	23.3	65.0	11.1	0.6	25.6	27.1
Korea, Rep. of	849	78.0	75.8	0.0	21.3	75.8	21.3	2.4	0.5	79.2	76.9
Lithuania	791	34.7	29.5	0.4	56.3	29.9	56.3	13.8	0.0	34.9	34.5
Malaysia	1275	11.9	11.4	0.1	85.4	11.5	85.4	1.9	1.2	10.2	13.8
Malta	590	19.9	14.9	1.9	67.7	16.8	67.7	15.1	0.4	19.5	20.3
Morocco	759	11.9	10.4	0.0	77.0	10.4	77.0	10.5	2.1	10.3	13.7
New Zealand	553	17.3	13.7	0.5	67.9	14.2	67.9	16.1	1.8	15.4	19.0
Norway (9)	910	19.7	14.1	0.3	59.1	14.5	59.1	22.7	3.7	20.1	19.3
Oman	710	12.0	11.0	0.2	82.5	11.2	82.5	6.0	0.4	12.5	11.5
Palestinian Nat'l Auth.	564	11.3	10.5	0.2	83.3	10.6	83.3	5.5	0.6	14.4	8.3
Portugal	774	18.8	15.4	0.0	66.8	15.4	66.8	17.1	0.6	16.6	20.7
Qatar	620	20.4	18.6	0.4	73.9	19.0	73.9	4.8	2.2	19.6	21.2
Romania	547	41.5	36.3	0.1	51.5	36.5	51.5	9.4	2.6	46.9	37.0
Saudi Arabia	504	7.4	6.8	0.4	89.8	7.2	89.8	2.5	0.5	11.1	4.1
Singapore	949	50.0	47.7	1.3	49.0	49.0	49.0	1.8	0.2	49.7	50.2
Sweden	725	23.4	16.6	0.8	57.1	17.5	57.1	20.9	4.6	21.8	24.8
Turkiye	700	30.9	27.0	0.0	60.4	27.0	60.4	12.1	0.4	30.3	31.5
United Arab Emirates	4041	36.9	33.4	0.7	58.4	34.1	58.4	5.5	2.1	35.7	37.9
United States	1166	24.5	22.2	0.6	70.4	22.8	70.4	3.6	3.2	24.9	24.0
Uzbekistan	632	26.2	23.8	0.3	68.0	24.1	68.0	6.3	1.7	24.6	27.7
International Avg. (40)	36715	28.3	24.7	0.4	62.4	25.1	62.4	11.4	1.1	28.2	28.4
Abu Dhabi, UAE	1033	24.9	22.7	0.3	69.4	23.0	69.4	5.2	2.4	24.2	25.5
Dubai, UAE	1178	50.8	44.9	0.7	44.1	45.5	44.1	7.7	2.7	45.6	55.3
Sharjah, UAE	941	39.7	37.0	0.8	57.2	37.7	57.2	3.3	1.8	43.8	35.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_04 ME72055: Numbers equivalent to 60% (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	36.0	35.7	63.4	35.7	63.4	0.3	0.6	24.7	45.8
Austria	685	21.1	20.6	77.1	20.6	77.1	1.9	0.3	17.0	24.7
Azerbaijan	896	19.2	18.0	75.7	18.0	75.7	5.5	0.7	21.0	17.6
Bahrain	744	10.0	9.8	88.6	9.8	88.6	0.7	0.8	8.5	11.3
Brazil	3296	3.7	3.6	92.1	3.6	92.1	1.0	3.4	1.6	5.9
Chile	650	7.0	6.6	88.6	6.6	88.6	2.3	2.5	5.4	8.7
Chinese Taipei	1101	56.7	56.6	43.3	56.6	43.3	0.1	0.0	54.6	58.6
Cyprus	610	22.1	22.0	77.4	22.0	77.4	0.1	0.5	17.8	26.4
Czech Republic	1171	24.8	24.3	73.8	24.3	73.8	0.7	1.1	18.2	31.1
England	596	34.6	34.2	64.6	34.2	64.6	0.9	0.3	24.0	47.0
Finland	860	36.0	35.4	63.0	35.4	63.0	0.6	1.0	29.8	41.4
France	653	14.6	14.4	84.2	14.4	84.2	0.5	0.9	8.2	20.7
Georgia	707	11.0	10.6	85.7	10.6	85.7	1.4	2.2	9.1	12.9
Hong Kong SAR	642	56.0	55.6	43.7	55.6	43.7	0.5	0.2	46.0	65.4
Hungary	800	21.6	21.6	78.2	21.6	78.2	0.1	0.2	14.1	28.7
Ireland	726	40.4	40.3	59.3	40.3	59.3	0.2	0.2	30.7	48.8
Israel	758	27.7	26.9	70.3	26.9	70.3	0.9	1.9	20.0	34.7
Italy	670	13.9	13.7	84.9	13.7	84.9	0.7	0.7	7.5	19.3
Japan	775	47.0	46.9	52.8	46.9	52.8	0.1	0.2	40.4	53.0
Jordan	599	2.2	2.2	96.6	2.2	96.6	1.0	0.2	2.1	2.4
Kazakhstan	926	13.6	13.3	84.4	13.3	84.4	1.8	0.6	10.0	17.0
Korea, Rep. of	849	43.0	42.7	56.4	42.7	56.4	0.4	0.5	36.4	49.5
Lithuania	791	24.9	24.9	75.1	24.9	75.1	0.0	0.0	16.8	33.5
Malaysia	1275	6.5	6.4	91.7	6.4	91.7	0.3	1.6	5.3	7.9
Malta	592	26.2	26.0	73.2	26.0	73.2	0.4	0.4	23.0	29.5
Morocco	760	3.9	3.7	93.0	3.7	93.0	0.8	2.5	2.9	5.0
New Zealand	553	30.1	29.3	68.2	29.3	68.2	0.7	1.8	20.8	38.9
Norway (9)	912	36.4	34.8	60.9	34.8	60.9	0.2	4.0	30.6	41.7
Oman	711	6.1	6.0	92.3	6.0	92.3	0.5	1.2	4.8	7.2
Palestinian Nat'l Auth.	566	2.9	2.8	96.1	2.8	96.1	0.4	0.6	1.5	4.2
Portugal	774	11.8	11.6	87.0	11.6	87.0	0.1	1.3	7.3	16.0
Qatar	620	15.5	15.0	81.5	15.0	81.5	1.3	2.2	12.2	18.7
Romania	547	17.8	17.2	79.2	17.2	79.2	0.8	2.8	16.2	19.3
Saudi Arabia	505	2.9	2.8	96.2	2.8	96.2	0.2	0.7	2.7	3.0
Singapore	949	52.2	52.1	47.7	52.1	47.7	0.0	0.2	46.1	57.7
Sweden	725	45.0	42.6	52.1	42.6	52.1	0.3	5.0	38.6	50.8
Turkiye	701	19.4	19.2	80.1	19.2	80.1	0.1	0.6	17.1	21.7
United Arab Emirates	4042	23.1	22.3	74.3	22.3	74.3	0.7	2.7	16.8	28.9
United States	1167	32.5	31.3	65.0	31.3	65.0	0.1	3.6	27.0	37.8
Uzbekistan	632	7.1	6.7	88.2	6.7	88.2	2.9	2.1	5.3	8.8
International Avg. (40)	36744	23.2	22.8	75.2	22.8	75.2	0.8	1.3	18.6	27.5
Abu Dhabi, UAE	1034	13.9	13.4	83.0	13.4	83.0	0.9	2.8	9.6	17.8
Dubai, UAE	1178	37.7	36.1	59.6	36.1	59.6	0.8	3.5	27.7	46.7
Sharjah, UAE	941	20.8	20.2	77.0	20.2	77.0	0.6	2.2	17.6	23.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_04A ME72055A: Numbers equivalent to 60% - 0.060 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	74.9	24.8	74.1	0.5	0.6	67.9	81.0
Austria	685	68.4	30.8	66.9	1.9	0.3	57.6	78.0
Azerbaijan	896	60.0	37.4	56.1	5.8	0.7	57.5	62.3
Bahrain	744	60.7	38.6	59.8	0.7	0.8	57.8	63.5
Brazil	3296	42.2	55.2	40.3	1.1	3.4	34.5	50.1
Chile	650	48.2	49.1	45.6	2.8	2.5	44.4	52.1
Chinese Taipei	1101	84.6	15.4	84.4	0.2	0.0	83.3	85.7
Cyprus	610	64.2	35.6	63.9	0.1	0.5	54.8	73.2
Czech Republic	1171	70.6	28.7	69.1	1.1	1.1	65.0	75.9
England	596	73.6	26.1	72.7	0.9	0.3	67.2	81.1
Finland	860	77.7	22.0	76.4	0.6	1.0	73.2	81.6
France	653	65.5	34.0	64.6	0.6	0.9	59.5	71.3
Georgia	707	64.7	33.9	62.3	1.6	2.2	61.4	68.0
Hong Kong SAR	642	82.2	17.7	81.6	0.5	0.2	80.3	83.9
Hungary	800	61.7	38.2	61.5	0.1	0.2	55.5	67.4
Ireland	726	77.7	22.2	77.4	0.2	0.2	69.8	84.5
Israel	758	66.8	32.2	64.7	1.1	1.9	57.9	74.9
Italy	670	64.6	34.9	63.7	0.7	0.7	59.8	68.6
Japan	775	81.5	18.5	81.2	0.1	0.2	78.4	84.2
Jordan	599	54.9	44.6	54.2	1.0	0.2	52.5	57.1
Kazakhstan	926	55.4	43.5	54.1	1.8	0.6	51.2	59.4
Korea, Rep. of	849	87.5	12.4	86.7	0.4	0.5	86.1	88.9
Lithuania	791	67.4	32.5	67.3	0.1	0.0	59.5	75.9
Malaysia	1275	48.1	50.9	47.1	0.4	1.6	45.5	50.9
Malta	592	65.9	33.7	65.3	0.5	0.4	60.0	71.9
Morocco	760	68.0	31.0	65.8	0.8	2.5	67.4	68.7
New Zealand	553	69.6	29.6	67.7	0.7	2.0	63.7	75.2
Norway (9)	912	79.6	19.5	76.2	0.2	4.0	73.8	85.0
Oman	711	55.5	43.6	54.4	0.8	1.2	48.7	61.2
Palestinian Nat'l Auth.	566	49.6	49.9	49.1	0.4	0.6	48.4	50.7
Portugal	774	52.3	47.0	51.6	0.1	1.3	48.9	55.6
Qatar	620	63.5	35.2	61.3	1.3	2.2	54.9	71.5
Romania	547	74.7	24.4	71.9	0.8	2.8	77.5	72.2
Saudi Arabia	505	52.3	47.2	51.8	0.2	0.7	49.4	55.0
Singapore	949	87.6	12.4	87.4	0.0	0.2	85.9	89.1
Sweden	725	83.9	15.3	79.4	0.3	5.0	80.4	87.0
Turkiye	701	56.0	43.7	55.6	0.1	0.6	51.1	61.0
United Arab Emirates	4042	68.7	30.1	66.3	0.9	2.7	64.7	72.5
United States	1167	69.1	29.8	66.5	0.1	3.6	62.8	75.1
Uzbekistan	632	56.6	41.1	53.7	3.1	2.1	54.4	58.7
International Avg. (40)	36744	66.4	32.8	65.0	0.9	1.3	61.8	70.7
Abu Dhabi, UAE	1034	61.8	36.8	59.5	1.0	2.8	57.3	65.9
Dubai, UAE	1178	78.3	20.7	74.7	1.2	3.5	73.0	83.0
Sharjah, UAE	941	67.8	31.3	65.8	0.7	2.2	67.3	68.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_04B ME72055B: Numbers equivalent to 60% - 6/10 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	87.7	86.7	12.2	0.5	0.6	82.7	92.1
Austria	685	76.4	74.7	23.1	1.9	0.3	68.6	83.3
Azerbaijan	896	68.2	63.8	29.7	5.8	0.7	66.7	69.7
Bahrain	744	57.3	56.4	42.1	0.7	0.8	52.9	61.3
Brazil	3296	66.4	63.4	32.1	1.1	3.4	62.4	70.5
Chile	650	69.3	65.6	29.1	2.8	2.5	62.7	76.3
Chinese Taipei	1101	87.9	87.7	12.1	0.2	0.0	85.9	89.7
Cyprus	610	78.6	78.1	21.3	0.1	0.5	70.2	86.6
Czech Republic	1171	82.6	80.8	17.0	1.1	1.1	77.2	87.8
England	596	86.6	85.6	13.3	0.9	0.3	80.6	93.5
Finland	860	88.3	86.9	11.5	0.6	1.0	83.0	93.0
France	653	72.5	71.5	27.1	0.6	0.9	67.0	77.8
Georgia	707	59.7	57.4	38.8	1.6	2.2	53.6	65.5
Hong Kong SAR	642	87.6	86.9	12.4	0.5	0.2	83.5	91.4
Hungary	800	69.6	69.4	30.3	0.1	0.2	59.8	78.8
Ireland	726	91.5	91.1	8.5	0.2	0.2	86.9	95.4
Israel	758	79.2	76.8	20.1	1.1	1.9	71.8	86.0
Italy	670	65.4	64.5	34.1	0.7	0.7	55.2	74.0
Japan	775	84.7	84.5	15.3	0.1	0.2	79.2	89.7
Jordan	599	38.8	38.3	60.5	1.0	0.2	43.2	34.6
Kazakhstan	926	72.7	70.9	26.7	1.8	0.6	69.8	75.4
Korea, Rep. of	849	82.5	81.7	17.4	0.4	0.5	79.1	85.7
Lithuania	791	79.4	79.3	20.6	0.1	0.0	72.0	87.2
Malaysia	1275	56.4	55.3	42.7	0.4	1.6	53.0	60.2
Malta	592	78.7	78.0	21.1	0.5	0.4	75.1	82.4
Morocco	760	52.0	50.3	46.5	0.8	2.5	49.5	54.7
New Zealand	553	89.7	87.3	10.1	0.7	2.0	87.6	91.7
Norway (9)	912	91.2	87.3	8.4	0.2	4.0	90.5	91.9
Oman	711	44.9	44.1	54.0	0.8	1.2	42.0	47.5
Palestinian Nat'l Auth.	566	47.9	47.4	51.6	0.4	0.6	50.0	45.8
Portugal	774	68.2	67.2	31.4	0.1	1.3	61.4	74.7
Qatar	620	60.5	58.4	38.1	1.3	2.2	54.5	66.1
Romania	547	67.2	64.7	31.6	0.8	2.8	63.8	70.2
Saudi Arabia	505	37.1	36.7	62.3	0.2	0.7	33.2	40.7
Singapore	949	88.3	88.1	11.7	0.0	0.2	85.9	90.4
Sweden	725	90.3	85.5	9.2	0.3	5.0	89.0	91.4
Turkiye	701	81.0	80.4	18.9	0.1	0.6	77.7	84.4
United Arab Emirates	4042	67.0	64.6	31.8	0.9	2.7	61.6	72.1
United States	1167	85.0	81.9	14.4	0.1	3.6	81.3	88.5
Uzbekistan	632	58.1	55.1	39.7	3.1	2.1	55.6	60.5
International Avg. (40)	36744	72.4	70.9	27.0	0.9	1.3	68.1	76.5
Abu Dhabi, UAE	1034	63.3	60.9	35.3	1.0	2.8	57.8	68.3
Dubai, UAE	1178	78.7	75.1	20.3	1.2	3.5	75.2	81.7
Sharjah, UAE	941	64.8	62.9	34.2	0.7	2.2	56.9	72.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_04C ME72055C: Numbers equivalent to 60% - 2/3 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	85.5	14.3	84.6	0.5	0.6	81.8	88.8
Austria	685	79.1	20.4	77.3	1.9	0.3	77.0	80.9
Azerbaijan	896	88.8	10.5	83.0	5.8	0.7	91.2	86.5
Bahrain	744	85.3	14.5	84.0	0.7	0.8	83.1	87.3
Brazil	3296	87.3	12.2	83.4	1.1	3.4	87.7	86.8
Chile	650	87.5	11.8	82.9	2.8	2.5	89.0	86.0
Chinese Taipei	1101	93.4	6.5	93.3	0.2	0.0	94.0	92.9
Cyprus	610	85.4	14.5	85.0	0.1	0.5	83.1	87.7
Czech Republic	1171	81.6	18.0	79.8	1.1	1.1	78.7	84.3
England	596	87.0	12.8	86.0	0.9	0.3	82.9	91.8
Finland	860	86.9	12.9	85.5	0.6	1.0	85.4	88.2
France	653	85.2	14.5	84.0	0.6	0.9	82.6	87.8
Georgia	707	91.1	8.6	87.6	1.6	2.2	89.7	92.4
Hong Kong SAR	642	93.0	6.9	92.3	0.5	0.2	91.5	94.4
Hungary	800	86.1	13.8	85.9	0.1	0.2	86.2	86.1
Ireland	726	84.1	15.9	83.8	0.2	0.2	80.7	87.0
Israel	758	86.7	12.9	84.1	1.1	1.9	82.8	90.3
Italy	670	87.7	12.1	86.4	0.7	0.7	83.8	90.9
Japan	775	92.7	7.3	92.4	0.1	0.2	89.4	95.5
Jordan	599	90.1	9.8	89.0	1.0	0.2	92.5	87.9
Kazakhstan	926	81.6	18.0	79.6	1.8	0.6	81.2	81.9
Korea, Rep. of	849	94.8	5.1	94.0	0.4	0.5	94.8	94.8
Lithuania	791	83.5	16.4	83.5	0.1	0.0	78.2	89.3
Malaysia	1275	85.7	14.0	83.9	0.4	1.6	84.9	86.6
Malta	592	86.3	13.6	85.5	0.5	0.4	84.5	88.2
Morocco	760	89.7	10.0	86.8	0.8	2.5	90.9	88.4
New Zealand	553	84.8	14.8	82.5	0.7	2.0	81.1	88.2
Norway (9)	912	87.4	12.1	83.7	0.2	4.0	86.7	88.0
Oman	711	88.9	10.9	87.2	0.8	1.2	90.0	88.0
Palestinian Nat'l Auth.	566	84.7	15.2	83.8	0.4	0.6	84.8	84.5
Portugal	774	85.2	14.6	84.0	0.1	1.3	84.0	86.4
Qatar	620	89.5	10.1	86.4	1.3	2.2	90.1	88.9
Romania	547	89.1	10.5	85.8	0.8	2.8	89.4	88.8
Saudi Arabia	505	91.4	8.5	90.5	0.2	0.7	92.0	90.9
Singapore	949	92.5	7.4	92.4	0.0	0.2	91.8	93.2
Sweden	725	85.8	13.4	81.3	0.3	5.0	81.6	89.7
Turkiye	701	88.9	11.0	88.3	0.1	0.6	87.7	90.2
United Arab Emirates	4042	89.2	10.4	86.0	0.9	2.7	89.0	89.4
United States	1167	84.0	15.4	80.9	0.1	3.6	83.7	84.3
Uzbekistan	632	85.2	14.0	80.8	3.1	2.1	84.6	85.8
International Avg. (40)	36744	87.3	12.4	85.4	0.9	1.3	86.1	88.5
Abu Dhabi, UAE	1034	85.2	14.3	82.0	1.0	2.8	86.1	84.3
Dubai, UAE	1178	90.5	9.0	86.3	1.2	3.5	88.6	92.2
Sharjah, UAE	941	91.0	8.7	88.3	0.7	2.2	92.7	89.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_04D ME72055D: Numbers equivalent to 60% - 0.6000 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	57.3	56.7	42.2	0.5	0.6	49.1	64.5
Austria	685	55.1	53.9	43.9	1.9	0.3	47.7	61.6
Azerbaijan	896	40.5	37.9	55.6	5.8	0.7	39.5	41.5
Bahrain	744	29.0	28.6	69.8	0.7	0.8	23.6	34.1
Brazil	3296	34.2	32.6	62.9	1.1	3.4	33.6	34.8
Chile	650	29.6	28.0	66.7	2.8	2.5	29.5	29.7
Chinese Taipei	1101	69.2	69.1	30.7	0.2	0.0	67.0	71.3
Cyprus	610	41.9	41.7	57.8	0.1	0.5	37.5	46.1
Czech Republic	1171	48.9	47.8	50.0	1.1	1.1	42.1	55.4
England	596	51.8	51.2	47.6	0.9	0.3	42.5	62.6
Finland	860	57.0	56.1	42.4	0.6	1.0	51.9	61.4
France	653	37.0	36.4	62.1	0.6	0.9	30.0	43.7
Georgia	707	29.6	28.5	67.7	1.6	2.2	23.0	36.0
Hong Kong SAR	642	72.6	72.1	27.2	0.5	0.2	64.8	80.0
Hungary	800	48.3	48.2	51.6	0.1	0.2	42.7	53.5
Ireland	726	59.0	58.7	40.9	0.2	0.2	49.8	66.8
Israel	758	42.6	41.3	55.7	1.1	1.9	36.2	48.4
Italy	670	31.2	30.8	67.8	0.7	0.7	22.7	38.3
Japan	775	62.6	62.4	37.3	0.1	0.2	57.3	67.3
Jordan	599	25.3	25.0	73.8	1.0	0.2	23.3	27.2
Kazakhstan	926	43.7	42.6	55.0	1.8	0.6	37.4	49.7
Korea, Rep. of	849	51.4	50.9	48.2	0.4	0.5	44.6	58.0
Lithuania	791	44.1	44.0	55.9	0.1	0.0	35.2	53.5
Malaysia	1275	33.9	33.2	64.8	0.4	1.6	31.4	36.6
Malta	592	44.4	44.0	55.1	0.5	0.4	41.7	47.2
Morocco	760	23.5	22.7	74.0	0.8	2.5	21.7	25.5
New Zealand	553	53.6	52.2	45.2	0.7	2.0	43.2	63.4
Norway (9)	912	62.0	59.3	36.4	0.2	4.0	59.5	64.3
Oman	711	22.7	22.3	75.7	0.8	1.2	17.5	27.2
Palestinian Nat'l Auth.	566	23.4	23.1	75.9	0.4	0.6	21.0	25.6
Portugal	774	33.0	32.5	66.0	0.1	1.3	28.1	37.8
Qatar	620	34.7	33.5	63.0	1.3	2.2	28.6	40.4
Romania	547	41.4	39.9	56.4	0.8	2.8	40.0	42.7
Saudi Arabia	505	20.4	20.2	78.9	0.2	0.7	17.6	23.0
Singapore	949	60.7	60.6	39.2	0.0	0.2	53.4	67.3
Sweden	725	71.3	67.5	27.2	0.3	5.0	67.5	74.8
Turkiye	701	34.7	34.5	64.9	0.1	0.6	29.2	40.4
United Arab Emirates	4042	41.5	40.0	56.4	0.9	2.7	35.3	47.3
United States	1167	54.3	52.3	44.0	0.1	3.6	49.7	58.8
Uzbekistan	632	32.3	30.6	64.2	3.1	2.1	29.2	35.2
International Avg. (40)	36744	43.7	42.8	55.0	0.9	1.3	38.6	48.6
Abu Dhabi, UAE	1034	38.9	37.5	58.8	1.0	2.8	34.7	42.8
Dubai, UAE	1178	51.7	49.3	46.1	1.2	3.5	42.3	59.9
Sharjah, UAE	941	38.5	37.3	59.7	0.7	2.2	35.2	41.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD1_04E ME72055E: Numbers equivalent to 60% - 6/100 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	78.3	21.5	77.4	0.5	0.6	66.5	88.8
Austria	685	66.5	32.7	65.0	1.9	0.3	59.6	72.5
Azerbaijan	896	63.6	34.0	59.5	5.8	0.7	61.8	65.3
Bahrain	744	49.2	50.0	48.4	0.7	0.8	41.5	56.2
Brazil	3296	49.8	48.0	47.5	1.1	3.4	42.2	57.6
Chile	650	57.6	40.2	54.5	2.8	2.5	53.5	62.0
Chinese Taipei	1101	83.3	16.6	83.2	0.2	0.0	79.6	86.7
Cyprus	610	69.1	30.7	68.7	0.1	0.5	57.0	80.7
Czech Republic	1171	73.8	25.6	72.2	1.1	1.1	69.7	77.7
England	596	73.4	26.3	72.5	0.9	0.3	64.6	83.5
Finland	860	78.9	20.8	77.6	0.6	1.0	71.4	85.5
France	653	61.9	37.6	61.0	0.6	0.9	54.2	69.2
Georgia	707	53.2	45.1	51.1	1.6	2.2	47.1	59.0
Hong Kong SAR	642	82.8	17.0	82.2	0.5	0.2	77.9	87.5
Hungary	800	59.3	40.5	59.2	0.1	0.2	50.4	67.6
Ireland	726	85.6	14.3	85.3	0.2	0.2	79.5	90.8
Israel	758	73.8	25.4	71.6	1.1	1.9	64.0	82.7
Italy	670	52.9	46.4	52.1	0.7	0.7	40.9	62.9
Japan	775	80.7	19.2	80.5	0.1	0.2	76.1	84.8
Jordan	599	39.6	59.7	39.1	1.0	0.2	30.5	48.2
Kazakhstan	926	59.8	39.2	58.4	1.8	0.6	56.2	63.2
Korea, Rep. of	849	84.5	15.4	83.7	0.4	0.5	80.7	88.1
Lithuania	791	69.6	30.3	69.6	0.1	0.0	61.4	78.4
Malaysia	1275	47.4	51.5	46.4	0.4	1.6	45.7	49.3
Malta	592	69.0	30.7	68.4	0.5	0.4	66.7	71.3
Morocco	760	54.7	43.8	52.9	0.8	2.5	52.3	57.4
New Zealand	553	77.5	21.9	75.5	0.7	2.0	70.4	84.3
Norway (9)	912	77.4	21.6	74.1	0.2	4.0	71.8	82.5
Oman	711	44.4	54.4	43.6	0.8	1.2	37.0	50.8
Palestinian Nat'l Auth.	566	40.2	59.2	39.8	0.4	0.6	33.6	46.6
Portugal	774	53.1	46.2	52.4	0.1	1.3	45.6	60.4
Qatar	620	54.4	44.0	52.5	1.3	2.2	45.7	62.5
Romania	547	53.6	44.7	51.6	0.8	2.8	49.4	57.3
Saudi Arabia	505	38.6	60.8	38.3	0.2	0.7	31.6	45.1
Singapore	949	84.2	15.8	84.0	0.0	0.2	81.6	86.5
Sweden	725	84.8	14.4	80.3	0.3	5.0	79.8	89.3
Turkiye	701	67.3	32.5	66.8	0.1	0.6	65.2	69.4
United Arab Emirates	4042	62.5	36.1	60.3	0.9	2.7	56.3	68.3
United States	1167	81.3	18.0	78.3	0.1	3.6	76.9	85.5
Uzbekistan	632	56.4	41.3	53.5	3.1	2.1	54.6	58.1
International Avg. (40)	36744	64.9	34.3	63.5	0.9	1.3	58.8	70.6
Abu Dhabi, UAE	1034	58.0	40.4	55.8	1.0	2.8	53.5	62.1
Dubai, UAE	1178	76.5	22.4	73.0	1.2	3.5	69.6	82.6
Sharjah, UAE	941	57.2	41.5	55.6	0.7	2.2	51.6	62.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MD1_04F ME72055F: Numbers equivalent to 60% - 3/5 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	64.7	63.9	35.0	0.5	0.6	60.2	68.5
Austria	685	45.3	44.3	53.5	1.9	0.3	39.9	50.1
Azerbaijan	896	45.5	42.6	50.9	5.8	0.7	46.7	44.5
Bahrain	744	33.4	32.9	65.5	0.7	0.8	33.0	33.8
Brazil	3296	20.3	19.3	76.2	1.1	3.4	13.4	27.3
Chile	650	29.1	27.6	67.1	2.8	2.5	22.7	36.0
Chinese Taipei	1101	79.4	79.3	20.5	0.2	0.0	78.5	80.2
Cyprus	610	55.1	54.8	44.6	0.1	0.5	48.8	61.1
Czech Republic	1171	47.1	46.1	51.7	1.1	1.1	40.2	53.7
England	596	64.1	63.3	35.5	0.9	0.3	59.4	69.5
Finland	860	65.0	63.9	34.5	0.6	1.0	60.0	69.4
France	653	51.2	50.5	48.1	0.6	0.9	46.7	55.6
Georgia	707	31.4	30.2	66.0	1.6	2.2	29.1	33.6
Hong Kong SAR	642	78.5	77.9	21.4	0.5	0.2	73.5	83.1
Hungary	800	44.6	44.5	55.2	0.1	0.2	36.9	51.9
Ireland	726	68.7	68.5	31.2	0.2	0.2	62.7	73.8
Israel	758	55.4	53.7	43.3	1.1	1.9	49.4	60.8
Italy	670	42.7	42.1	56.5	0.7	0.7	35.2	48.9
Japan	775	68.4	68.2	31.5	0.1	0.2	64.1	72.2
Jordan	599	15.7	15.5	83.3	1.0	0.2	13.3	17.9
Kazakhstan	926	31.7	31.0	66.6	1.8	0.6	25.6	37.6
Korea, Rep. of	849	78.9	78.2	20.9	0.4	0.5	76.4	81.4
Lithuania	791	52.1	52.0	47.9	0.1	0.0	44.5	60.1
Malaysia	1275	27.7	27.2	70.8	0.4	1.6	25.1	30.7
Malta	592	62.6	62.1	37.0	0.5	0.4	59.0	66.4
Morocco	760	18.1	17.5	79.3	0.8	2.5	15.4	21.1
New Zealand	553	58.3	56.8	40.6	0.7	2.0	49.8	66.4
Norway (9)	912	64.3	61.6	34.2	0.2	4.0	59.2	69.0
Oman	711	22.6	22.2	75.8	0.8	1.2	22.4	22.8
Palestinian Nat'l Auth.	566	20.0	19.8	79.2	0.4	0.6	19.6	20.4
Portugal	774	38.5	38.0	60.6	0.1	1.3	30.6	46.2
Qatar	620	34.4	33.2	63.3	1.3	2.2	31.0	37.7
Romania	547	44.5	42.8	53.5	0.8	2.8	44.5	44.4
Saudi Arabia	505	20.2	20.0	79.0	0.2	0.7	18.3	22.0
Singapore	949	84.3	84.1	15.7	0.0	0.2	81.9	86.3
Sweden	725	69.9	66.2	28.5	0.3	5.0	66.7	72.9
Turkiye	701	58.7	58.3	41.0	0.1	0.6	58.8	58.7
United Arab Emirates	4042	50.5	48.7	47.7	0.9	2.7	45.7	55.0
United States	1167	60.6	58.3	38.0	0.1	3.6	56.5	64.5
Uzbekistan	632	21.8	20.7	74.1	3.1	2.1	16.4	27.0
International Avg. (40)	36744	48.1	47.2	50.6	0.9	1.3	44.0	52.1
Abu Dhabi, UAE	1034	40.5	39.0	57.2	1.0	2.8	38.2	42.7
Dubai, UAE	1178	67.7	64.6	30.8	1.2	3.5	61.5	73.1
Sharjah, UAE	941	46.5	45.1	52.0	0.7	2.2	41.3	51.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MD1_05 ME72222: Value of sqrt expression for x = 10 and y = 8 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	46.6	26.2	45.1	15.6	9.8	2.6	0.6	45.9	47.4
Austria	685	51.0	26.4	49.9	9.3	12.3	1.7	0.3	46.8	54.7
Azerbaijan	896	54.4	19.7	52.4	8.5	15.8	2.9	0.7	57.0	51.9
Bahrain	744	37.6	34.0	37.0	16.4	11.0	0.6	1.1	38.1	37.1
Brazil	3296	33.3	28.6	31.4	20.7	13.7	2.1	3.6	33.4	33.1
Chile	650	31.5	27.2	27.5	19.1	13.5	10.0	2.7	27.7	35.4
Chinese Taipei	1101	76.5	8.9	76.3	5.3	9.3	0.1	0.1	78.5	74.6
Cyprus	610	55.9	23.9	55.2	8.6	11.0	0.8	0.5	58.1	53.9
Czech Republic	1171	52.7	16.9	51.2	6.7	22.3	1.7	1.2	58.3	47.4
England	596	50.7	26.8	48.9	12.7	8.1	3.3	0.3	47.9	53.9
Finland	860	42.8	28.0	41.5	14.2	13.3	1.8	1.1	41.8	43.6
France	653	36.1	32.3	34.7	16.1	13.0	3.1	0.9	33.5	38.6
Georgia	707	36.3	29.7	34.9	10.0	21.5	1.6	2.4	37.5	35.1
Hong Kong SAR	642	71.8	9.3	71.2	8.3	10.4	0.6	0.2	71.2	72.4
Hungary	800	55.5	21.7	55.2	9.7	12.8	0.3	0.2	55.2	55.7
Ireland	726	43.1	31.6	42.1	13.2	10.8	2.0	0.2	46.5	40.1
Israel	758	45.7	26.8	43.0	15.3	9.1	3.8	2.0	43.6	47.6
Italy	670	64.9	17.7	63.8	9.6	7.2	1.0	0.7	65.8	64.1
Japan	775	39.0	33.7	37.3	16.4	8.3	4.0	0.2	39.9	38.2
Jordan	599	26.5	41.1	26.4	16.5	15.5	0.2	0.2	26.6	26.4
Kazakhstan	926	45.4	26.2	44.4	10.9	16.3	1.2	1.0	45.8	45.1
Korea, Rep. of	849	52.4	22.8	51.6	10.4	13.6	1.1	0.5	51.3	53.5
Lithuania	791	52.7	21.2	52.5	9.4	16.4	0.4	0.0	55.1	50.3
Malaysia	1275	36.5	24.1	35.7	24.5	13.5	0.5	1.8	33.4	39.9
Malta	592	54.2	26.2	53.1	8.8	9.9	1.6	0.4	55.8	52.6
Morocco	760	24.9	32.6	23.5	22.7	15.9	2.3	3.0	23.9	25.9
New Zealand	553	40.4	30.8	37.7	15.1	9.7	4.4	2.3	39.1	41.6
Norway (9)	912	42.1	21.9	38.7	15.9	15.3	4.1	4.1	41.1	43.1
Oman	711	32.3	35.2	31.3	17.3	13.2	1.4	1.6	31.6	32.9
Palestinian Nat'l Auth.	566	23.6	32.7	23.3	16.8	25.9	0.3	1.0	20.9	26.1
Portugal	774	36.9	21.9	35.9	17.1	22.3	1.6	1.3	37.7	36.1
Qatar	620	36.2	35.4	34.6	11.1	14.4	1.6	2.8	32.6	39.6
Romania	546	71.6	13.6	69.2	5.9	8.1	0.4	2.9	71.5	71.6
Saudi Arabia	505	26.6	41.3	26.0	15.9	14.7	1.2	0.9	25.6	27.5
Singapore	949	75.4	10.0	75.1	7.9	6.5	0.3	0.2	76.4	74.6
Sweden	725	41.3	23.5	36.4	19.0	9.2	6.9	5.0	38.7	43.7
Turkiye	701	48.8	23.4	47.5	11.4	15.0	2.2	0.6	53.3	44.1
United Arab Emirates	4042	54.5	23.8	52.0	10.2	9.5	1.5	3.0	55.1	53.9
United States	1167	49.5	24.0	47.2	11.2	12.8	1.1	3.7	48.3	50.7
Uzbekistan	632	42.7	27.3	41.1	13.4	14.5	0.7	3.1	42.5	42.9
International Avg. (40)	36743	46.0	25.7	44.5	13.2	13.1	2.0	1.5	45.8	46.2
Abu Dhabi, UAE	1034	47.6	26.9	45.7	12.9	10.4	0.7	3.4	49.6	45.9
Dubai, UAE	1178	65.1	17.7	61.2	7.7	7.5	2.3	3.6	64.5	65.5
Sharjah, UAE	941	52.7	25.7	50.7	10.0	9.8	1.6	2.3	51.6	53.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD1_06 ME72090: Inequality for relationship between areas of rectangles - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	35.2	34.0	21.9	24.3	16.3	2.9	0.7	35.1	35.5
Austria	685	39.4	38.2	18.9	23.7	16.0	2.6	0.7	41.0	38.0
Azerbaijan	896	53.1	49.6	17.6	16.7	9.6	5.1	1.3	56.1	50.2
Bahrain	744	32.6	31.6	22.8	25.4	17.1	1.9	1.2	34.3	31.0
Brazil	3296	25.5	23.6	26.1	24.3	18.7	3.4	3.9	27.3	23.7
Chile	650	25.2	22.0	22.7	27.5	15.2	9.3	3.3	24.2	26.3
Chinese Taipei	1101	71.8	71.7	9.4	12.2	6.5	0.1	0.1	75.2	68.8
Cyprus	610	46.0	45.0	16.3	22.0	14.6	1.5	0.6	50.8	41.3
Czech Republic	1171	35.7	33.4	21.3	25.7	13.1	5.2	1.3	38.3	33.1
England	596	34.9	33.1	23.6	28.2	9.9	4.8	0.4	37.3	32.2
Finland	860	29.0	27.9	21.7	28.6	17.9	2.4	1.6	32.0	26.5
France	652	25.0	23.9	19.5	31.2	21.1	3.4	1.0	24.0	26.0
Georgia	707	40.5	38.3	23.4	21.3	11.5	2.6	2.9	43.0	38.0
Hong Kong SAR	642	68.8	68.3	9.6	14.2	7.1	0.5	0.2	68.7	68.9
Hungary	800	26.3	25.9	18.7	35.7	18.1	1.5	0.2	26.9	25.9
Ireland	726	32.5	31.7	18.5	28.3	18.9	2.4	0.3	34.7	30.6
Israel	758	40.9	38.8	17.6	23.5	14.9	2.4	2.8	40.9	40.9
Italy	670	38.3	36.6	19.5	26.1	13.4	3.8	0.7	41.8	35.3
Japan	775	61.6	60.6	15.8	11.9	10.1	1.4	0.2	65.8	57.8
Jordan	599	34.1	33.9	23.8	25.6	16.2	0.3	0.3	35.2	33.1
Kazakhstan	926	41.1	39.0	18.9	21.4	15.5	3.7	1.6	39.5	42.7
Korea, Rep. of	849	73.6	73.0	11.2	9.1	5.9	0.4	0.5	74.2	72.9
Lithuania	791	43.7	43.5	19.3	21.8	14.8	0.6	0.0	45.3	42.0
Malaysia	1275	35.0	34.0	21.1	23.7	18.5	0.6	2.2	35.8	34.0
Malta	592	31.9	30.9	20.3	28.9	16.9	2.6	0.4	36.1	27.5
Morocco	760	26.1	24.8	22.8	28.6	19.1	1.2	3.5	24.1	28.3
New Zealand	553	35.1	31.9	18.9	23.7	16.3	6.7	2.5	29.9	39.8
Norway (9)	912	23.0	20.2	23.8	26.8	16.8	7.8	4.7	24.2	22.0
Oman	711	28.1	26.9	25.4	27.0	16.5	1.7	2.4	32.7	24.2
Palestinian Nat'l Auth.	566	28.9	28.4	27.8	27.1	14.8	0.9	1.0	33.2	24.9
Portugal	774	34.4	32.9	18.6	26.9	17.4	2.8	1.5	34.1	34.6
Qatar	620	34.4	32.3	21.9	22.0	17.8	2.4	3.5	34.5	34.3
Romania	547	48.6	46.1	18.4	19.6	10.7	2.4	2.9	52.5	45.2
Saudi Arabia	505	27.0	26.1	26.7	26.6	17.5	1.4	1.7	27.5	26.5
Singapore	949	68.8	68.5	13.4	13.2	4.5	0.2	0.2	70.3	67.4
Sweden	725	32.6	29.1	18.2	25.0	17.1	5.0	5.6	33.3	31.8
Turkiye	701	53.4	52.1	17.1	16.7	11.8	1.7	0.6	57.5	49.1
United Arab Emirates	4041	45.6	43.1	18.5	22.0	10.9	1.8	3.7	45.9	45.3
United States	1167	36.9	35.0	18.6	26.0	15.1	1.0	4.3	38.3	35.7
Uzbekistan	632	34.9	32.9	25.7	22.6	13.2	2.1	3.5	35.1	34.7
International Avg. (40)	36742	39.5	38.0	19.9	23.4	14.4	2.6	1.7	40.9	38.1
Abu Dhabi, UAE	1033	37.8	35.6	22.1	24.6	11.9	2.0	3.8	37.1	38.5
Dubai, UAE	1178	56.4	52.8	15.2	16.3	9.5	1.6	4.6	56.3	56.4
Sharjah, UAE	941	44.4	42.2	19.5	23.2	10.0	2.1	3.0	46.6	42.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Reasoning

B_MD1_07 ME72233: Weight of one block on a balance - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	56.9	16.5	55.6	19.8	5.8	1.3	1.0	50.2	63.1
Austria	685	56.7	14.5	56.0	24.5	3.7	0.3	0.9	53.9	59.2
Azerbaijan	896	41.6	35.7	38.9	14.0	5.0	5.1	1.4	45.2	38.2
Bahrain	744	44.8	29.4	43.4	16.3	7.7	1.8	1.3	41.7	47.6
Brazil	3296	41.7	29.8	39.4	17.6	7.6	1.0	4.6	37.8	45.7
Chile	650	49.0	23.1	45.5	17.5	6.8	3.5	3.6	44.5	53.9
Chinese Taipei	1101	69.7	14.5	69.6	11.3	4.4	0.0	0.1	65.7	73.4
Cyprus	610	48.6	24.2	48.0	18.8	7.7	0.3	1.0	49.5	47.7
Czech Republic	1171	62.9	13.0	60.6	18.5	4.4	1.5	2.1	58.9	66.7
England	596	52.2	19.0	50.7	18.8	8.6	2.2	0.8	47.8	57.2
Finland	860	57.8	15.4	56.3	21.3	4.4	0.9	1.7	56.3	59.2
France	653	49.9	24.1	48.9	19.2	5.9	0.9	1.0	43.0	56.4
Georgia	707	48.2	24.9	45.6	18.8	5.4	2.2	3.1	40.8	55.4
Hong Kong SAR	642	60.6	14.4	60.0	19.0	5.6	0.7	0.2	54.3	66.4
Hungary	800	55.7	18.3	55.3	20.1	5.6	0.4	0.2	50.1	60.9
Ireland	726	54.4	20.1	54.1	19.8	5.5	0.2	0.3	48.9	59.1
Israel	758	50.2	22.4	47.5	19.5	5.2	2.5	2.9	45.8	54.1
Italy	670	51.7	22.0	50.3	19.4	5.5	1.2	1.6	47.5	55.3
Japan	775	69.7	14.3	69.0	11.0	4.8	0.5	0.4	66.2	72.8
Jordan	599	44.1	29.5	43.8	22.1	4.1	0.2	0.3	45.6	42.6
Kazakhstan	926	49.9	27.3	47.5	16.5	3.8	2.2	2.6	44.3	55.1
Korea, Rep. of	849	69.1	14.0	68.4	13.4	3.2	0.5	0.6	66.4	71.8
Lithuania	791	56.9	18.5	56.8	18.1	6.4	0.2	0.0	48.8	65.5
Malaysia	1275	42.5	31.0	41.2	19.4	5.2	0.7	2.4	40.7	44.5
Malta	592	47.5	24.6	46.5	20.6	6.2	1.4	0.7	41.1	54.0
Morocco	760	37.1	35.6	35.2	15.7	8.3	0.9	4.4	37.7	36.5
New Zealand	553	52.1	17.9	50.0	20.1	7.9	1.6	2.6	42.2	61.2
Norway (9)	912	54.5	14.8	50.9	21.8	5.9	0.9	5.7	52.5	56.3
Oman	711	43.7	28.1	41.5	19.7	5.7	1.7	3.2	44.5	43.0
Palestinian Nat'l Auth.	566	36.0	38.5	35.1	17.6	6.4	1.0	1.5	34.9	37.0
Portugal	774	50.7	28.9	49.3	15.0	4.0	0.8	2.0	47.9	53.4
Qatar	620	46.2	24.4	43.9	21.6	5.2	1.0	3.9	48.5	44.0
Romania	547	52.2	25.6	49.7	14.9	5.0	0.9	3.9	45.8	57.8
Saudi Arabia	505	39.1	30.7	37.9	20.6	7.8	0.5	2.5	39.6	38.6
Singapore	949	66.4	10.4	66.2	17.1	6.0	0.1	0.2	62.7	69.6
Sweden	725	57.7	16.2	52.8	15.9	6.7	1.9	6.6	54.7	60.4
Turkiye	701	58.4	17.8	57.5	16.1	6.9	1.0	0.6	53.3	63.6
United Arab Emirates	4041	49.5	23.3	46.6	18.9	5.5	1.4	4.2	46.8	51.9
United States	1167	51.3	18.9	48.7	20.2	7.1	0.4	4.6	48.6	53.9
Uzbekistan	632	39.3	28.0	36.7	18.8	9.8	2.5	4.1	43.6	35.3
International Avg. (40)	36743	51.7	22.5	50.0	18.2	5.9	1.2	2.1	48.5	54.7
Abu Dhabi, UAE	1033	42.7	29.3	40.3	19.8	5.0	1.2	4.5	39.1	46.0
Dubai, UAE	1178	58.5	17.1	55.0	17.3	4.5	1.1	5.1	55.8	61.0
Sharjah, UAE	941	48.1	22.4	45.1	19.4	6.8	2.7	3.6	47.0	49.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MD1_08A ME72106A: Figures made of straws - Figure 7 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	55.7	53.6	42.6	53.6	42.6	2.6	1.1	56.3	55.4
Austria	685	48.9	46.4	48.4	46.4	48.4	4.3	0.9	49.0	48.9
Azerbaijan	895	50.8	42.1	40.7	42.1	40.7	14.8	2.4	57.4	44.7
Bahrain	743	34.1	31.4	60.7	31.4	60.7	6.2	1.7	39.3	29.3
Brazil	3294	30.5	25.5	58.1	25.5	58.1	11.4	5.0	29.1	31.8
Chile	649	39.2	32.5	50.4	32.5	50.4	12.8	4.3	40.5	37.9
Chinese Taipei	1101	81.6	81.1	18.2	81.1	18.2	0.5	0.1	81.5	81.8
Cyprus	610	51.8	48.9	45.4	48.9	45.4	4.6	1.1	51.0	52.6
Czech Republic	1171	55.1	49.3	40.1	49.3	40.1	8.3	2.2	55.2	55.0
England	596	54.0	50.6	43.1	50.6	43.1	5.5	0.8	51.6	56.7
Finland	858	59.0	55.5	38.6	55.5	38.6	4.0	1.9	62.3	56.2
France	652	47.4	44.4	49.2	44.4	49.2	5.3	1.1	53.2	41.9
Georgia	707	39.5	32.2	49.2	32.2	49.2	15.0	3.7	34.1	44.7
Hong Kong SAR	642	68.4	67.2	31.1	67.2	31.1	1.5	0.2	66.5	70.1
Hungary	800	54.7	54.0	44.7	54.0	44.7	0.9	0.4	56.3	53.2
Ireland	726	58.5	56.7	40.3	56.7	40.3	2.7	0.4	55.1	61.4
Israel	758	45.2	40.3	49.0	40.3	49.0	6.6	4.1	39.6	50.1
Italy	670	48.8	44.8	47.0	44.8	47.0	6.2	2.0	46.4	50.9
Japan	775	76.1	74.6	23.4	74.6	23.4	1.6	0.4	73.8	78.2
Jordan	599	26.8	25.5	69.6	25.5	69.6	4.4	0.5	26.4	27.1
Kazakhstan	924	35.4	30.5	55.7	30.5	55.7	10.5	3.3	34.7	36.0
Korea, Rep. of	849	73.4	72.0	26.0	72.0	26.0	1.4	0.6	71.7	75.1
Lithuania	791	54.5	52.3	43.6	52.3	43.6	4.1	0.0	57.3	51.5
Malaysia	1275	34.8	33.3	62.3	33.3	62.3	1.5	3.0	36.4	33.1
Malta	592	60.3	58.7	38.7	58.7	38.7	1.4	1.2	56.6	64.1
Morocco	760	11.8	9.2	68.6	9.2	68.6	17.6	4.6	9.8	13.9
New Zealand	553	59.3	55.2	37.8	55.2	37.8	4.4	2.6	53.3	64.9
Norway (9)	912	59.6	52.1	35.3	52.1	35.3	6.8	5.9	62.3	57.1
Oman	710	22.0	20.2	71.4	20.2	71.4	5.1	3.4	22.3	21.8
Palestinian Nat'l Auth.	566	16.3	15.2	77.7	15.2	77.7	5.2	2.0	19.4	13.5
Portugal	774	57.6	54.1	39.8	54.1	39.8	3.9	2.2	58.1	57.2
Qatar	620	32.1	29.2	61.8	29.2	61.8	4.9	4.0	32.8	31.5
Romania	547	48.0	43.5	47.1	43.5	47.1	5.2	4.2	50.9	45.4
Saudi Arabia	505	19.9	18.4	74.2	18.4	74.2	4.6	2.8	22.9	17.2
Singapore	949	76.0	75.4	23.8	75.4	23.8	0.6	0.2	77.0	75.2
Sweden	725	63.6	55.9	32.0	55.9	32.0	5.5	6.7	66.8	60.6
Turkiye	701	61.9	59.5	36.7	59.5	36.7	3.1	0.6	67.5	55.9
United Arab Emirates	4041	47.4	43.5	48.3	43.5	48.3	3.3	4.9	46.2	48.5
United States	1167	41.1	38.0	54.6	38.0	54.6	2.4	5.0	38.0	44.0
Uzbekistan	632	30.2	26.3	60.6	26.3	60.6	7.7	5.5	30.8	29.7
International Avg. (40)	36732	48.3	45.0	47.2	45.0	47.2	5.5	2.4	48.5	48.1
Abu Dhabi, UAE	1034	33.1	29.9	60.2	29.9	60.2	4.9	5.0	33.8	32.5
Dubai, UAE	1178	64.3	59.4	33.0	59.4	33.0	2.0	5.6	61.2	66.9
Sharjah, UAE	941	47.9	44.1	48.1	44.1	48.1	3.0	4.9	48.3	47.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD1_08B ME72106B: Figures made of straws - Figure 50 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	22.3	20.3	70.5	20.3	70.5	7.7	1.5	18.2	25.8
Austria	684	17.0	14.9	72.5	14.9	72.5	11.6	1.0	15.1	18.6
Azerbaijan	896	22.1	15.7	55.3	15.7	55.3	25.3	3.7	23.0	21.3
Bahrain	744	15.0	13.1	74.2	13.1	74.2	9.1	3.6	18.0	12.2
Brazil	3291	5.0	3.9	73.5	3.9	73.5	15.8	6.8	4.6	5.4
Chile	650	7.9	5.7	66.3	5.7	66.3	21.0	7.0	6.2	9.5
Chinese Taipei	1101	66.3	65.2	33.1	65.2	33.1	1.6	0.1	66.5	66.2
Cyprus	610	19.8	17.0	69.0	17.0	69.0	12.5	1.5	19.2	20.4
Czech Republic	1171	22.2	18.1	63.5	18.1	63.5	15.5	2.9	20.1	24.1
England	596	22.8	19.9	67.1	19.9	67.1	12.1	1.0	19.4	26.6
Finland	857	18.1	16.0	72.1	16.0	72.1	9.2	2.7	16.8	19.2
France	653	10.2	8.7	76.3	8.7	76.3	13.2	1.8	10.2	10.2
Georgia	707	17.8	13.2	61.0	13.2	61.0	20.8	5.0	15.7	19.8
Hong Kong SAR	640	49.2	47.6	49.0	47.6	49.0	2.7	0.7	46.9	51.4
Hungary	800	21.8	20.1	72.1	20.1	72.1	7.1	0.7	19.7	23.8
Ireland	726	18.9	16.5	70.9	16.5	70.9	11.9	0.7	11.8	25.3
Israel	758	20.2	16.7	66.2	16.7	66.2	11.9	5.1	14.8	24.8
Italy	670	18.9	15.2	65.4	15.2	65.4	16.4	3.0	16.5	20.8
Japan	775	57.7	54.4	39.8	54.4	39.8	5.3	0.5	56.9	58.5
Jordan	599	7.2	6.3	81.1	6.3	81.1	10.8	1.8	6.7	7.7
Kazakhstan	924	17.6	14.1	66.0	14.1	66.0	13.3	6.6	16.0	18.9
Korea, Rep. of	849	53.5	50.8	44.1	50.8	44.1	4.3	0.8	49.7	57.3
Lithuania	791	20.0	17.4	69.5	17.4	69.5	12.8	0.4	15.6	24.5
Malaysia	1275	8.7	8.1	85.2	8.1	85.2	2.7	4.0	7.9	9.5
Malta	592	25.3	22.8	67.4	22.8	67.4	8.6	1.2	22.1	28.7
Morocco	760	4.1	3.0	68.7	3.0	68.7	22.6	5.7	2.1	6.3
New Zealand	552	25.9	22.3	63.7	22.3	63.7	11.0	3.0	22.0	29.3
Norway (9)	912	27.7	22.1	57.7	22.1	57.7	12.5	7.7	29.0	26.6
Oman	711	6.1	5.2	79.6	5.2	79.6	11.0	4.2	5.7	6.5
Palestinian Nat'l Auth.	566	6.6	5.7	80.4	5.7	80.4	10.5	3.4	10.6	2.7
Portugal	774	20.0	16.9	67.6	16.9	67.6	12.2	3.3	18.2	21.5
Qatar	620	14.1	12.0	73.4	12.0	73.4	8.8	5.8	15.6	12.7
Romania	547	20.9	17.3	65.7	17.3	65.7	12.7	4.4	19.2	22.4
Saudi Arabia	505	5.2	4.6	85.3	4.6	85.3	5.5	4.6	5.4	5.0
Singapore	949	58.4	57.6	41.0	57.6	41.0	1.0	0.4	58.9	57.9
Sweden	724	37.2	30.6	51.7	30.6	51.7	9.3	8.4	37.6	36.9
Turkiye	701	35.2	31.9	58.6	31.9	58.6	8.8	0.8	34.6	35.9
United Arab Emirates	4041	24.8	21.8	65.9	21.8	65.9	6.3	6.0	21.3	28.0
United States	1167	15.4	13.9	76.8	13.9	76.8	3.5	5.8	12.9	17.7
Uzbekistan	632	11.1	8.6	68.7	8.6	68.7	16.1	6.6	9.2	12.9
International Avg. (40)	36728	22.5	19.9	65.9	19.9	65.9	10.9	3.4	21.0	23.8
Abu Dhabi, UAE	1034	13.7	12.0	75.4	12.0	75.4	6.2	6.4	12.8	14.5
Dubai, UAE	1178	40.4	35.5	52.5	35.5	52.5	5.8	6.2	35.0	44.9
Sharjah, UAE	941	23.3	19.9	65.5	19.9	65.5	8.4	6.2	21.7	24.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Algebra / Reasoning

B_MD1_08C ME72106C: Figures made of straws - rule - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	17.3	14.4	11.5	57.0	14.4	68.5	15.0	2.1	15.3	19.1
Austria	685	8.8	5.7	13.4	45.5	5.7	59.0	34.4	1.0	10.1	7.7
Azerbaijan	896	16.9	8.3	13.2	27.8	8.3	41.0	46.6	4.0	17.8	16.1
Bahrain	744	11.6	9.0	9.8	58.8	9.0	68.6	18.3	4.1	13.2	10.2
Brazil	3296	3.0	1.9	11.1	49.7	1.9	60.8	30.1	7.2	3.2	2.9
Chile	650	2.4	1.3	3.6	49.4	1.3	53.0	38.2	7.4	3.4	1.4
Chinese Taipei	1101	48.9	46.2	3.6	44.8	46.2	48.4	5.3	0.1	50.8	47.1
Cyprus	610	15.1	10.5	13.1	45.9	10.5	59.0	28.8	1.7	15.4	14.8
Czech Republic	1171	15.5	9.3	13.1	37.6	9.3	50.7	37.0	3.0	14.4	16.4
England	596	23.9	17.8	9.1	47.7	17.8	56.8	24.3	1.1	20.3	27.6
Finland	860	6.5	4.9	18.8	52.0	4.9	70.8	21.4	3.0	6.5	6.4
France	653	7.9	4.3	10.8	38.9	4.3	49.7	43.2	2.8	8.8	7.1
Georgia	707	15.9	7.8	4.9	36.3	7.8	41.2	45.7	5.3	17.6	14.5
Hong Kong SAR	642	33.2	29.8	1.8	58.2	29.8	60.0	9.6	0.7	30.2	35.9
Hungary	800	13.8	9.3	8.6	49.4	9.3	57.9	32.1	0.7	12.9	14.5
Ireland	726	10.2	6.9	16.8	44.5	6.9	61.3	30.3	1.5	6.4	13.5
Israel	758	14.2	9.2	7.4	48.3	9.2	55.7	29.1	5.9	12.8	15.5
Italy	670	13.2	7.1	11.0	36.2	7.1	47.2	42.4	3.3	13.4	13.0
Japan	775	54.5	45.9	13.4	25.0	45.9	38.4	15.0	0.8	54.2	54.7
Jordan	593	8.0	5.1	10.9	47.9	5.1	58.8	33.7	2.3	8.6	7.5
Kazakhstan	926	14.9	8.6	4.2	45.1	8.6	49.4	35.2	6.8	12.9	16.5
Korea, Rep. of	849	45.8	40.2	2.5	45.0	40.2	47.5	11.5	0.8	43.8	47.7
Lithuania	791	15.3	9.7	3.8	50.0	9.7	53.8	35.8	0.7	14.0	16.5
Malaysia	1275	2.0	1.7	16.7	69.8	1.7	86.5	7.0	4.8	1.8	2.1
Malta	592	22.4	17.1	12.5	46.7	17.1	59.3	22.3	1.4	21.2	23.7
Morocco	760	3.2	1.5	2.4	41.2	1.5	43.6	49.1	5.9	2.4	4.1
New Zealand	552	24.8	18.9	13.8	43.3	18.9	57.1	20.8	3.2	22.4	27.0
Norway (9)	912	18.4	12.8	2.4	54.5	12.8	56.9	22.4	7.9	21.3	15.8
Oman	711	5.1	3.6	8.9	58.6	3.6	67.5	24.0	4.9	5.0	5.3
Palestinian Nat'l Auth.	566	3.0	2.2	6.8	63.2	2.2	70.0	24.1	3.7	5.4	0.6
Portugal	774	17.4	12.3	10.5	47.6	12.3	58.2	25.8	3.8	19.0	16.2
Qatar	620	11.2	8.7	10.5	58.2	8.7	68.6	16.5	6.2	12.9	9.8
Romania	547	9.8	6.5	7.3	52.1	6.5	59.4	29.1	5.0	10.5	9.1
Saudi Arabia	505	3.9	3.1	12.3	62.7	3.1	75.0	17.4	4.6	4.5	3.5
Singapore	949	48.5	46.8	5.9	43.8	46.8	49.7	3.0	0.6	49.5	47.6
Sweden	725	34.7	25.6	2.5	45.7	25.6	48.3	17.5	8.6	34.0	35.2
Turkiye	701	31.7	24.6	19.0	34.1	24.6	53.1	21.5	0.8	30.4	32.9
United Arab Emirates	4042	21.6	17.5	6.2	57.4	17.5	63.6	12.4	6.5	19.5	23.3
United States	1167	11.5	10.0	14.1	63.5	10.0	77.6	6.1	6.2	9.4	13.4
Uzbekistan	631	7.7	4.2	3.8	46.8	4.2	50.6	37.1	8.1	4.8	10.3
International Avg. (40)	36736	17.3	13.3	9.3	48.3	13.3	57.6	25.5	3.7	17.0	17.7
Abu Dhabi, UAE	1034	10.3	8.4	6.2	67.0	8.4	73.2	11.8	6.6	9.8	10.7
Dubai, UAE	1178	37.0	30.9	5.1	47.6	30.9	52.7	9.6	6.8	34.1	39.4
Sharjah, UAE	941	19.8	15.4	7.5	54.9	15.4	62.4	15.1	7.1	20.1	19.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Knowing
B_MD1_09A ME72128A: Parallelogram - area - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	36.7	33.2	57.3	33.2	57.3	7.1	2.4	35.9	37.2
Austria	685	42.8	35.8	47.8	35.8	47.8	15.4	1.0	47.6	38.5
Azerbaijan	896	32.8	25.9	53.1	25.9	53.1	16.4	4.5	37.4	28.4
Bahrain	743	18.4	16.0	70.9	16.0	70.9	8.7	4.4	20.2	16.8
Brazil	3293	9.5	7.6	72.5	7.6	72.5	11.7	8.1	10.1	8.9
Chile	650	12.5	8.4	58.9	8.4	58.9	25.2	7.6	11.8	13.2
Chinese Taipei	1101	70.9	69.9	28.7	69.9	28.7	1.3	0.1	73.7	68.4
Cyprus	610	43.6	38.6	50.0	38.6	50.0	9.5	1.9	45.7	41.5
Czech Republic	1171	30.7	22.2	50.0	22.2	50.0	24.8	3.0	30.0	31.4
England	596	45.9	39.8	46.9	39.8	46.9	12.1	1.1	41.6	50.6
Finland	860	47.7	42.7	46.8	42.7	46.8	7.0	3.5	53.7	42.7
France	652	19.6	15.8	64.5	15.8	64.5	16.4	3.3	18.9	20.4
Georgia	707	27.8	22.6	58.8	22.6	58.8	12.6	5.9	28.5	27.0
Hong Kong SAR	642	71.8	69.3	27.2	69.3	27.2	2.4	1.2	72.3	71.3
Hungary	800	27.7	24.7	64.5	24.7	64.5	10.1	0.8	26.0	29.2
Ireland	726	41.2	38.4	54.9	38.4	54.9	5.1	1.6	43.5	39.1
Israel	758	37.8	31.1	51.2	31.1	51.2	11.3	6.3	36.5	38.9
Italy	670	42.1	33.4	46.0	33.4	46.0	16.9	3.6	42.4	41.8
Japan	774	77.8	74.4	21.2	74.4	21.2	3.6	0.8	80.1	75.7
Jordan	598	7.3	6.7	85.3	6.7	85.3	5.7	2.3	9.5	5.2
Kazakhstan	926	25.2	20.9	61.8	20.9	61.8	10.1	7.2	24.8	25.6
Korea, Rep. of	849	69.5	66.9	29.4	66.9	29.4	2.8	0.9	67.3	71.5
Lithuania	790	36.5	31.9	55.4	31.9	55.4	12.1	0.7	35.4	37.6
Malaysia	1275	10.4	9.5	82.3	9.5	82.3	2.4	5.8	10.3	10.4
Malta	592	39.4	34.9	53.6	34.9	53.6	10.2	1.4	37.7	41.3
Morocco	760	11.9	9.9	73.0	9.9	73.0	10.3	6.8	10.9	13.1
New Zealand	553	32.7	27.9	57.3	27.9	57.3	11.3	3.5	29.3	35.9
Norway (9)	912	48.5	38.0	40.4	38.0	40.4	13.3	8.3	51.4	45.8
Oman	711	15.4	13.9	76.5	13.9	76.5	3.9	5.8	21.5	10.2
Palestinian Nat'l Auth.	565	14.8	13.4	77.1	13.4	77.1	5.6	3.9	17.8	12.1
Portugal	772	23.7	18.8	60.3	18.8	60.3	17.0	3.9	21.9	25.3
Qatar	620	17.8	15.6	72.0	15.6	72.0	5.4	7.1	14.5	20.8
Romania	546	38.6	32.9	52.4	32.9	52.4	9.1	5.6	43.1	34.5
Saudi Arabia	505	8.1	7.5	84.8	7.5	84.8	2.9	4.9	8.0	8.3
Singapore	949	65.5	64.5	34.0	64.5	34.0	0.9	0.6	64.7	66.2
Sweden	725	51.2	41.1	39.1	41.1	39.1	10.5	9.2	51.8	50.7
Turkiye	701	34.0	31.1	60.5	31.1	60.5	7.5	0.8	32.4	35.6
United Arab Emirates	4039	34.1	30.0	58.2	30.0	58.2	4.8	6.9	32.0	35.9
United States	1167	27.3	24.5	65.2	24.5	65.2	3.9	6.4	26.7	27.9
Uzbekistan	632	19.2	16.0	67.1	16.0	67.1	8.2	8.7	20.2	18.3
International Avg. (40)	36729	34.2	30.1	56.4	30.1	56.4	9.4	4.0	34.7	33.8
Abu Dhabi, UAE	1034	20.9	18.1	68.8	18.1	68.8	6.2	6.9	18.8	22.6
Dubai, UAE	1178	48.7	42.7	45.0	42.7	45.0	5.0	7.3	45.0	51.9
Sharjah, UAE	940	36.6	32.3	56.0	32.3	56.0	4.1	7.6	37.7	35.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_MD1_09B ME72128B: Parallelogram - perimeter - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	23.4	9.0	23.7	56.1	9.0	23.7	56.1	8.1	3.1	22.5	24.4
Austria	685	30.8	13.9	25.5	47.2	13.9	25.5	47.2	11.3	2.1	32.8	28.9
Azerbaijan	896	37.6	24.3	10.2	43.7	24.3	10.2	43.7	17.2	4.6	43.0	32.7
Bahrain	744	11.9	5.9	8.0	69.5	5.9	8.0	69.5	11.5	5.1	12.0	11.9
Brazil	3292	5.0	1.0	5.8	70.4	1.0	5.8	70.4	13.3	9.5	5.1	5.0
Chile	650	7.8	1.7	6.6	55.7	1.7	6.6	55.7	27.3	8.7	7.9	7.7
Chinese Taipei	1101	70.8	62.1	13.9	21.5	62.1	13.9	21.5	2.4	0.1	71.5	70.1
Cyprus	610	37.8	20.7	22.4	41.4	20.7	22.4	41.4	12.9	2.6	37.3	38.2
Czech Republic	1170	29.9	14.6	14.6	44.0	14.6	14.6	44.0	23.0	3.7	27.6	32.0
England	596	27.5	10.8	23.3	47.5	10.8	23.3	47.5	17.3	1.1	24.1	31.2
Finland	858	27.1	10.4	25.8	50.0	10.4	25.8	50.0	9.7	4.0	29.8	24.7
France	652	20.9	8.8	14.7	53.7	8.8	14.7	53.7	19.0	3.8	21.4	20.4
Georgia	707	25.7	12.8	13.3	49.5	12.8	13.3	49.5	17.9	6.5	25.9	25.4
Hong Kong SAR	640	60.5	49.5	14.6	29.8	49.5	14.6	29.8	4.7	1.3	53.9	66.7
Hungary	800	27.7	17.0	13.9	55.6	17.0	13.9	55.6	12.8	0.8	25.2	29.9
Ireland	726	27.6	7.9	33.3	48.0	7.9	33.3	48.0	8.9	1.8	25.9	29.1
Israel	758	27.7	8.5	25.8	42.9	8.5	25.8	42.9	16.2	6.7	25.6	29.4
Italy	670	44.0	26.7	16.7	36.2	26.7	16.7	36.2	16.5	3.9	44.3	43.8
Japan	775	45.3	21.6	36.0	29.8	21.6	36.0	29.8	11.6	1.0	43.9	46.7
Jordan	599	4.4	2.2	2.9	79.2	2.2	2.9	79.2	13.1	2.5	2.7	6.0
Kazakhstan	925	19.8	10.4	11.4	59.2	10.4	11.4	59.2	10.8	8.1	18.9	20.7
Korea, Rep. of	849	67.7	53.9	21.0	20.3	53.9	21.0	20.3	4.0	0.9	67.5	67.8
Lithuania	791	37.1	21.7	20.5	44.0	21.7	20.5	44.0	12.7	1.1	35.0	39.3
Malaysia	1275	10.6	6.4	6.4	77.5	6.4	6.4	77.5	3.0	6.8	10.3	10.9
Malta	592	25.7	9.9	24.6	51.8	9.9	24.6	51.8	12.1	1.6	24.9	26.7
Morocco	760	5.1	1.9	3.7	67.5	1.9	3.7	67.5	19.4	7.5	5.7	4.5
New Zealand	553	23.1	7.9	22.4	52.2	7.9	22.4	52.2	13.7	3.8	21.9	24.2
Norway (9)	911	32.4	13.0	22.5	39.2	13.0	22.5	39.2	15.6	9.8	33.3	31.7
Oman	710	7.6	2.8	7.5	76.1	2.8	7.5	76.1	7.6	6.0	9.4	6.0
Palestinian Nat'l Auth.	565	5.9	3.7	2.5	78.2	3.7	2.5	78.2	11.0	4.6	7.6	4.1
Portugal	772	26.1	13.8	13.2	51.3	13.8	13.2	51.3	16.1	5.6	27.7	24.6
Qatar	619	10.4	5.0	7.3	71.0	5.0	7.3	71.0	8.7	8.0	9.9	10.8
Romania	546	45.4	35.4	7.3	43.4	35.4	7.3	43.4	7.6	6.3	48.2	42.8
Saudi Arabia	505	4.2	1.9	3.7	84.2	1.9	3.7	84.2	4.5	5.7	5.2	3.4
Singapore	949	62.8	55.1	13.3	29.9	55.1	13.3	29.9	1.0	0.7	61.2	64.4
Sweden	725	29.7	7.8	29.6	38.7	7.8	29.6	38.7	13.5	10.5	28.7	30.6
Turkiye	701	26.1	12.9	20.5	55.0	12.9	20.5	55.0	10.6	1.0	21.6	30.8
United Arab Emirates	4041	26.2	16.0	12.4	56.3	16.0	12.4	56.3	7.5	7.9	23.4	28.8
United States	1166	19.8	8.6	18.1	62.4	8.6	18.1	62.4	3.5	7.5	19.3	20.2
Uzbekistan	632	15.3	7.4	8.8	60.9	7.4	8.8	60.9	13.3	9.6	13.7	16.8
International Avg. (40)	36724	27.4	15.6	15.7	52.3	15.6	15.7	52.3	11.8	4.6	26.9	27.8
Abu Dhabi, UAE	1034	14.1	8.2	7.5	68.9	8.2	7.5	68.9	7.3	8.1	11.4	16.5
Dubai, UAE	1178	41.6	25.7	18.0	39.7	25.7	18.0	39.7	8.6	8.1	38.0	44.8
Sharjah, UAE	940	26.4	15.6	13.3	55.4	15.6	13.3	55.4	6.8	8.8	24.6	28.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MD1_10 ME72119: Point to complete a parallelogram - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	35.0	32.8	60.9	32.8	60.9	2.9	3.3	38.1	32.4
Austria	685	56.7	54.6	41.7	54.6	41.7	1.6	2.1	63.5	50.7
Azerbaijan	896	28.5	23.2	58.2	23.2	58.2	13.8	4.7	31.6	25.5
Bahrain	744	17.8	16.1	74.7	16.1	74.7	3.6	5.6	18.6	17.0
Brazil	3296	7.8	6.3	75.0	6.3	75.0	9.0	9.6	8.9	6.6
Chile	650	12.8	10.2	69.5	10.2	69.5	11.5	8.7	12.5	13.1
Chinese Taipei	1101	77.0	76.5	22.8	76.5	22.8	0.4	0.2	79.7	74.5
Cyprus	610	43.2	39.8	52.3	39.8	52.3	4.6	3.3	44.3	42.0
Czech Republic	1171	36.3	33.0	57.9	33.0	57.9	5.1	4.0	38.2	34.5
England	596	44.6	42.1	52.2	42.1	52.2	4.5	1.2	44.1	45.3
Finland	860	35.1	32.4	59.9	32.4	59.9	3.2	4.5	37.2	33.3
France	653	50.3	46.5	46.0	46.5	46.0	3.4	4.1	51.4	49.2
Georgia	707	34.4	29.7	56.6	29.7	56.6	6.7	7.0	34.3	34.5
Hong Kong SAR	642	62.5	60.3	36.2	60.3	36.2	2.2	1.3	61.7	63.2
Hungary	800	52.0	50.4	46.6	50.4	46.6	1.8	1.1	56.9	47.4
Ireland	726	44.7	42.6	52.7	42.6	52.7	2.8	1.8	44.5	44.9
Israel	758	37.8	33.0	54.2	33.0	54.2	4.5	8.3	38.2	37.5
Italy	670	39.8	36.1	54.7	36.1	54.7	4.8	4.4	41.8	38.1
Japan	775	85.2	81.7	14.2	81.7	14.2	3.1	1.1	86.9	83.6
Jordan	599	22.7	21.7	74.0	21.7	74.0	1.7	2.6	24.5	20.9
Kazakhstan	926	26.0	22.7	64.7	22.7	64.7	4.4	8.3	25.6	26.3
Korea, Rep. of	849	81.5	78.9	18.0	78.9	18.0	2.2	0.9	81.5	81.4
Lithuania	791	38.8	37.1	58.4	37.1	58.4	3.4	1.1	39.5	38.1
Malaysia	1275	31.4	28.7	62.6	28.7	62.6	1.5	7.3	30.1	32.9
Malta	592	35.7	33.9	61.1	33.9	61.1	3.0	2.0	37.4	33.9
Morocco	760	31.5	27.5	59.9	27.5	59.9	4.2	8.3	30.8	32.3
New Zealand	553	33.8	29.5	57.9	29.5	57.9	8.4	4.3	31.5	35.9
Norway (9)	912	41.9	35.4	49.1	35.4	49.1	5.7	9.7	46.5	37.6
Oman	711	15.4	14.1	77.5	14.1	77.5	1.2	7.2	20.1	11.5
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	774	29.9	26.5	62.2	26.5	62.2	5.7	5.6	33.7	26.2
Qatar	620	20.4	18.1	70.8	18.1	70.8	2.2	8.9	22.9	18.0
Romania	547	44.3	39.4	49.5	39.4	49.5	4.6	6.5	46.3	42.5
Saudi Arabia	505	9.0	8.3	83.8	8.3	83.8	1.6	6.3	8.8	9.2
Singapore	949	73.1	72.0	26.5	72.0	26.5	0.5	1.0	75.7	70.8
Sweden	725	40.9	34.2	49.5	34.2	49.5	4.7	11.6	43.3	38.6
Turkiye	701	40.6	39.3	57.7	39.3	57.7	1.7	1.3	43.7	37.2
United Arab Emirates	4042	32.7	29.0	59.8	29.0	59.8	2.5	8.7	31.4	33.8
United States	1167	29.4	26.4	63.4	26.4	63.4	2.4	7.8	28.7	30.0
Uzbekistan	632	15.6	13.3	72.1	13.3	72.1	4.5	10.1	11.0	19.9
International Avg. (39)	36178	38.4	35.5	55.5	35.5	55.5	4.0	5.0	39.6	37.2
Abu Dhabi, UAE	1034	16.6	14.8	74.3	14.8	74.3	2.1	8.7	16.0	17.1
Dubai, UAE	1178	51.6	45.6	42.7	45.6	42.7	2.4	9.2	49.9	53.2
Sharjah, UAE	941	31.3	27.7	60.8	27.7	60.8	2.3	9.2	31.4	31.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD1_11A ME72153A: Bar graph of cars sold - per quarter - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1207	43.7	40.0	51.5	40.0	51.5	4.3	4.2	36.5	50.1
Austria	684	44.5	39.4	49.2	39.4	49.2	9.2	2.2	39.4	48.9
Azerbaijan	896	36.0	27.8	49.4	27.8	49.4	16.8	6.1	36.2	35.9
Bahrain	742	20.5	17.5	68.1	17.5	68.1	7.6	6.8	18.5	22.2
Brazil	3291	11.4	9.2	71.6	9.2	71.6	8.7	10.5	12.7	10.1
Chile	650	11.3	8.6	67.8	8.6	67.8	14.6	9.0	11.0	11.5
Chinese Taipei	1101	73.3	72.2	26.3	72.2	26.3	1.2	0.3	76.5	70.3
Cyprus	610	29.7	24.7	58.6	24.7	58.6	12.8	3.9	28.1	31.1
Czech Republic	1171	46.1	39.2	45.8	39.2	45.8	10.7	4.3	40.3	51.6
England	596	43.1	38.4	50.8	38.4	50.8	9.6	1.2	40.3	46.3
Finland	860	36.1	32.0	56.7	32.0	56.7	6.3	5.1	34.2	37.7
France	652	37.9	33.0	54.1	33.0	54.1	7.8	5.1	36.2	39.4
Georgia	707	31.2	23.7	52.3	23.7	52.3	15.6	8.4	29.6	32.6
Hong Kong SAR	642	73.5	71.0	25.6	71.0	25.6	2.1	1.3	72.4	74.6
Hungary	800	46.4	43.7	50.4	43.7	50.4	4.8	1.1	41.8	50.5
Ireland	726	62.4	56.5	34.1	56.5	34.1	7.6	1.8	56.2	68.1
Israel	758	37.9	31.0	50.8	31.0	50.8	9.3	8.8	33.7	41.5
Italy	670	38.1	32.1	52.1	32.1	52.1	10.9	4.9	32.5	42.8
Japan	775	70.2	65.1	27.6	65.1	27.6	5.6	1.7	72.7	67.9
Jordan	599	17.1	16.1	77.7	16.1	77.7	3.7	2.6	19.6	14.8
Kazakhstan	925	27.0	22.0	59.5	22.0	59.5	9.8	8.8	23.6	30.1
Korea, Rep. of	849	75.2	71.3	23.5	71.3	23.5	4.4	0.9	74.6	75.8
Lithuania	791	41.4	37.7	53.4	37.7	53.4	7.6	1.3	36.2	46.8
Malaysia	1274	11.0	9.7	78.6	9.7	78.6	3.5	8.2	10.8	11.3
Malta	592	37.9	35.3	57.8	35.3	57.8	4.4	2.6	35.1	40.8
Morocco	759	14.9	11.2	64.2	11.2	64.2	15.8	8.9	14.3	15.4
New Zealand	552	39.4	33.6	51.7	33.6	51.7	10.1	4.7	30.6	47.7
Norway (9)	912	49.6	39.0	39.6	39.0	39.6	10.8	10.6	52.4	47.2
Oman	708	17.2	15.0	72.5	15.0	72.5	4.9	7.6	19.2	15.5
Palestinian Nat'l Auth.	566	2.9	2.6	87.0	2.6	87.0	5.4	5.0	2.0	3.8
Portugal	772	29.9	25.9	60.8	25.9	60.8	7.1	6.2	24.6	34.9
Qatar	620	19.7	17.0	68.9	17.0	68.9	4.6	9.5	22.4	17.3
Romania	547	37.3	32.6	54.7	32.6	54.7	6.0	6.7	37.9	36.8
Saudi Arabia	504	19.6	18.0	73.6	18.0	73.6	1.9	6.5	21.2	18.2
Singapore	949	74.7	73.3	24.8	73.3	24.8	0.8	1.1	74.8	74.6
Sweden	725	47.9	36.9	40.2	36.9	40.2	10.7	12.1	47.8	47.9
Turkiye	701	52.9	46.9	41.9	46.9	41.9	9.9	1.3	54.3	51.5
United Arab Emirates	4042	31.5	26.9	58.4	26.9	58.4	5.4	9.2	26.9	35.7
United States	1167	32.8	29.0	59.3	29.0	59.3	3.3	8.4	31.5	34.1
Uzbekistan	630	20.1	16.2	64.4	16.2	64.4	8.9	10.6	14.1	25.8
International Avg. (40)	36722	37.3	33.0	53.9	33.0	53.9	7.6	5.5	35.6	39.0
Abu Dhabi, UAE	1034	17.8	15.5	71.5	15.5	71.5	4.0	9.0	13.8	21.3
Dubai, UAE	1178	50.7	42.6	41.4	42.6	41.4	6.3	9.8	44.0	56.3
Sharjah, UAE	941	29.4	24.7	59.2	24.7	59.2	6.8	9.4	26.4	32.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD1_11B ME72153B: Bar graph of cars sold - percent in 3rd quarter - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1207	14.2	12.5	75.3	12.5	75.3	7.3	4.9	13.5	14.9
Austria	684	9.7	7.9	73.4	7.9	73.4	15.5	3.2	8.2	10.8
Azerbaijan	896	9.3	6.4	61.9	6.4	61.9	24.5	7.3	10.2	8.6
Bahrain	744	4.7	3.9	80.0	3.9	80.0	6.2	9.9	1.8	7.2
Brazil	3292	1.2	0.9	74.1	0.9	74.1	12.6	12.3	1.5	1.0
Chile	650	3.7	2.6	67.8	2.6	67.8	17.9	11.7	3.0	4.5
Chinese Taipei	1101	35.5	33.7	61.4	33.7	61.4	4.5	0.4	35.5	35.4
Cyprus	609	10.1	7.9	70.4	7.9	70.4	15.4	6.3	8.2	11.8
Czech Republic	1171	14.9	11.2	64.1	11.2	64.1	19.1	5.6	15.6	14.4
England	595	15.5	12.8	69.8	12.8	69.8	14.4	3.1	11.5	20.0
Finland	860	9.5	7.9	75.5	7.9	75.5	9.8	6.8	9.1	9.7
France	653	7.2	5.5	70.2	5.5	70.2	17.4	6.9	6.1	8.2
Georgia	707	9.4	6.5	62.6	6.5	62.6	19.7	11.1	10.7	8.3
Hong Kong SAR	638	49.1	46.1	47.8	46.1	47.8	3.7	2.3	41.8	56.1
Hungary	800	16.5	14.3	72.3	14.3	72.3	11.6	1.7	13.3	19.3
Ireland	726	15.5	12.9	70.5	12.9	70.5	14.1	2.5	11.8	18.8
Israel	758	6.3	4.6	69.3	4.6	69.3	14.9	11.2	3.4	8.7
Italy	670	8.4	6.3	68.3	6.3	68.3	18.7	6.7	6.2	10.2
Japan	775	27.0	23.0	62.2	23.0	62.2	11.7	3.0	25.2	28.6
Jordan	599	2.1	1.8	86.7	1.8	86.7	7.3	4.2	2.0	2.1
Kazakhstan	926	8.5	6.5	69.4	6.5	69.4	13.1	11.0	6.0	10.8
Korea, Rep. of	848	22.7	20.5	70.0	20.5	70.0	8.3	1.2	23.0	22.4
Lithuania	791	18.0	14.7	66.8	14.7	66.8	16.8	1.7	17.7	18.4
Malaysia	1275	4.0	3.5	83.3	3.5	83.3	2.9	10.4	3.6	4.4
Malta	592	14.3	12.4	74.3	12.4	74.3	9.6	3.6	12.7	16.1
Morocco	760	2.0	1.4	69.1	1.4	69.1	17.3	12.2	2.0	2.0
New Zealand	552	8.1	6.5	73.8	6.5	73.8	12.8	6.9	4.0	11.9
Norway (9)	911	6.6	4.7	67.1	4.7	67.1	15.3	12.9	6.0	7.1
Oman	711	3.8	3.1	79.4	3.1	79.4	8.3	9.1	4.7	3.1
Palestinian Nat'l Auth.	566	1.3	1.1	83.9	1.1	83.9	8.1	6.9	1.1	1.4
Portugal	773	10.3	8.1	70.2	8.1	70.2	13.7	8.0	10.7	10.0
Qatar	620	7.4	6.0	75.5	6.0	75.5	6.4	12.0	8.4	6.4
Romania	547	10.8	8.9	73.0	8.9	73.0	10.6	7.4	12.4	9.5
Saudi Arabia	505	1.1	1.0	88.5	1.0	88.5	3.3	7.2	2.0	0.3
Singapore	949	62.0	60.0	36.8	60.0	36.8	1.5	1.7	63.5	60.6
Sweden	725	19.7	14.1	57.4	14.1	57.4	13.1	15.4	17.8	21.4
Turkiye	701	14.2	12.2	73.5	12.2	73.5	12.3	2.0	11.7	16.8
United Arab Emirates	4041	15.7	12.9	69.0	12.9	69.0	6.3	11.8	12.7	18.5
United States	1167	11.8	10.2	76.6	10.2	76.6	3.2	9.9	8.4	15.0
Uzbekistan	632	4.7	3.5	72.0	3.5	72.0	11.0	13.5	2.9	6.4
International Avg. (40)	36727	12.9	11.0	70.3	11.0	70.3	11.5	7.2	11.7	14.0
Abu Dhabi, UAE	1034	6.4	5.3	77.7	5.3	77.7	6.3	10.7	4.9	7.7
Dubai, UAE	1178	29.7	23.8	56.4	23.8	56.4	6.6	13.2	23.5	35.0
Sharjah, UAE	941	14.2	11.5	69.5	11.5	69.5	6.7	12.3	13.7	14.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD1_12 ME72172: Probability of object landing upright - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1208	50.4	5.6	33.3	7.7	47.3	0.9	5.3	46.1	53.9
Austria	685	26.0	6.3	52.4	12.1	24.9	0.5	3.9	24.6	27.3
Azerbaijan	896	48.8	9.1	28.7	8.8	44.4	0.8	8.1	54.0	43.8
Bahrain	744	27.0	11.7	41.3	11.5	23.8	1.0	10.6	30.1	24.3
Brazil	3296	20.3	7.7	48.7	11.5	17.3	1.1	13.7	21.2	19.4
Chile	650	28.0	11.4	39.9	10.3	23.9	1.4	13.1	28.6	27.3
Chinese Taipei	1101	71.9	6.8	16.0	5.1	71.4	0.1	0.6	76.2	67.9
Cyprus	610	41.5	8.0	36.5	10.0	38.7	0.5	6.4	44.0	39.3
Czech Republic	1171	25.9	7.9	50.6	10.1	23.9	1.0	6.5	24.3	27.3
England	596	51.7	7.3	31.6	7.4	49.5	0.4	3.7	50.5	52.9
Finland	860	48.2	5.7	33.0	9.3	44.7	0.2	7.1	50.1	46.6
France	653	35.1	7.6	45.0	7.2	32.3	0.6	7.3	36.4	33.8
Georgia	707	28.6	7.9	46.4	7.4	24.6	1.9	11.9	28.5	28.6
Hong Kong SAR	642	61.4	3.2	26.1	8.2	59.7	0.3	2.5	58.1	64.7
Hungary	800	34.1	7.7	47.2	9.9	33.5	0.1	1.7	34.5	33.7
Ireland	704	53.4	5.0	35.8	4.3	51.8	0.1	3.0	49.1	57.2
Israel	758	42.9	6.5	32.6	10.2	37.0	0.7	12.9	39.9	45.4
Italy	670	44.0	7.6	33.9	9.8	40.3	1.0	7.4	40.0	47.4
Japan	775	72.2	6.9	16.1	3.6	69.3	0.7	3.4	71.6	72.8
Jordan	599	21.1	12.6	48.8	12.2	19.7	1.2	5.5	23.0	19.4
Kazakhstan	926	31.9	9.9	40.2	8.7	27.6	1.5	12.2	33.8	30.2
Korea, Rep. of	849	76.3	3.9	14.1	5.3	75.3	0.0	1.4	75.6	77.0
Lithuania	791	45.5	8.0	37.2	8.2	44.5	0.2	1.9	43.9	47.2
Malaysia	1275	21.9	9.3	46.2	12.9	19.2	1.0	11.4	20.9	23.1
Malta	592	40.2	7.9	41.9	7.2	38.3	0.7	4.0	43.5	36.7
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	553	38.2	5.4	42.7	8.2	34.8	0.7	8.2	34.6	41.6
Norway (9)	912	46.6	5.7	30.2	9.3	39.6	0.8	14.4	48.5	45.0
Oman	711	28.9	12.8	37.8	12.4	25.5	1.2	10.4	34.3	24.6
Palestinian Nat'l Auth.	566	22.3	10.8	51.1	9.6	20.5	0.9	7.1	27.7	17.3
Portugal	774	41.6	6.5	38.1	8.0	37.5	1.1	8.8	37.5	45.5
Qatar	620	31.4	11.0	39.2	8.6	27.0	1.3	12.9	35.7	27.5
Romania	547	38.4	12.6	35.1	8.9	35.2	0.5	7.8	40.8	36.2
Saudi Arabia	505	18.5	18.7	44.6	11.2	16.9	1.2	7.4	22.6	14.8
Singapore	949	71.6	5.8	17.4	4.6	70.2	0.1	2.0	71.4	71.9
Sweden	725	60.3	6.3	18.4	8.3	50.1	0.1	16.8	61.1	59.6
Turkiye	701	60.9	12.2	19.6	6.4	59.6	0.1	2.1	62.9	58.8
United Arab Emirates	4042	43.4	8.3	30.6	9.5	37.1	1.2	13.3	43.9	42.9
United States	1167	45.6	5.9	33.5	9.1	40.7	0.3	10.6	43.8	47.3
Uzbekistan	632	19.8	8.6	48.5	10.4	16.6	1.7	14.2	17.9	21.6
International Avg. (39)	35962	41.4	8.3	36.2	8.8	38.3	0.7	7.7	41.8	41.1
Abu Dhabi, UAE	1034	29.3	11.1	39.2	11.8	25.8	0.4	11.7	29.5	29.1
Dubai, UAE	1178	62.0	5.4	19.9	6.6	52.1	1.4	14.6	63.6	60.7
Sharjah, UAE	941	42.6	8.8	31.4	8.0	35.8	1.9	14.1	42.4	42.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Reasoning

B_MD2_01 ME72001: Two integers with product of -24 and sum of 5 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	22.6	19.3	1.7	64.5	19.3	66.2	14.1	0.4	22.7	22.7
Austria	671	22.7	18.3	1.3	61.2	18.3	62.5	19.2	0.0	20.3	25.0
Azerbaijan	892	50.2	41.3	3.9	37.0	41.3	40.9	17.8	0.0	48.0	52.3
Bahrain	750	17.0	15.3	2.3	72.4	15.3	74.8	10.0	0.0	19.2	14.6
Brazil	3281	2.8	2.3	0.3	80.5	2.3	80.8	16.6	0.3	1.7	3.9
Chile	645	4.7	3.6	0.5	71.4	3.6	72.0	23.9	0.6	3.5	5.7
Chinese Taipei	1110	73.7	72.0	3.0	22.7	72.0	25.7	2.4	0.0	75.8	71.7
Cyprus	616	29.9	23.3	1.4	53.4	23.3	54.8	21.2	0.6	28.3	31.4
Czech Republic	1180	33.3	26.6	1.2	52.2	26.6	53.4	19.9	0.1	29.2	36.9
England	622	33.9	26.3	0.7	50.6	26.3	51.3	22.2	0.2	27.8	39.2
Finland	860	27.8	24.2	0.9	61.9	24.2	62.9	12.9	0.0	31.4	25.0
France	648	12.6	9.0	0.4	62.5	9.0	62.9	28.1	0.0	10.7	14.4
Georgia	710	33.7	25.3	4.4	45.3	25.3	49.7	25.1	0.0	26.6	39.7
Hong Kong SAR	650	41.8	37.2	1.4	50.5	37.2	51.9	10.2	0.7	38.7	44.3
Hungary	798	32.1	28.2	2.0	57.7	28.2	59.7	12.1	0.0	31.2	32.9
Ireland	734	26.3	21.4	1.9	58.1	21.4	59.9	18.7	0.0	22.2	30.0
Israel	755	25.6	20.0	1.0	56.9	20.0	57.9	21.7	0.4	23.5	27.6
Italy	672	26.6	19.9	0.9	54.1	19.9	55.0	25.1	0.0	25.3	27.9
Japan	770	65.0	58.8	2.9	28.8	58.8	31.6	9.5	0.1	61.8	68.1
Jordan	610	16.2	15.3	3.7	75.4	15.3	79.1	5.6	0.0	18.9	13.8
Kazakhstan	931	16.5	14.3	7.3	65.0	14.3	72.4	13.3	0.1	18.0	15.2
Korea, Rep. of	856	70.5	67.5	3.6	24.7	67.5	28.3	3.9	0.3	69.7	71.2
Lithuania	784	30.4	23.6	2.1	51.8	23.6	53.9	22.4	0.1	32.1	28.5
Malaysia	1254	4.0	3.9	1.2	92.1	3.9	93.4	2.7	0.0	3.2	4.9
Malta	579	12.3	9.7	0.7	68.5	9.7	69.2	21.1	0.0	9.9	14.6
Morocco	751	4.2	3.3	0.7	74.4	3.3	75.1	21.1	0.5	4.1	4.3
New Zealand	566	14.0	11.7	1.6	70.2	11.7	71.8	16.5	0.0	12.5	15.3
Norway (9)	902	11.6	7.9	0.2	60.4	7.9	60.6	31.1	0.4	10.7	12.2
Oman	715	9.0	8.3	2.8	80.7	8.3	83.5	7.9	0.4	11.5	6.7
Palestinian Nat'l Auth.	568	17.2	16.4	5.2	74.0	16.4	79.2	4.2	0.1	17.3	17.1
Portugal	793	13.4	10.9	0.5	70.1	10.9	70.6	18.5	0.0	11.6	15.1
Qatar	633	18.4	15.9	3.2	67.7	15.9	70.8	13.2	0.0	14.3	22.7
Romania	542	43.7	39.5	5.9	45.1	39.5	51.0	9.4	0.1	43.6	43.7
Saudi Arabia	514	6.4	6.2	2.5	88.0	6.2	90.4	3.4	0.0	7.0	5.9
Singapore	963	54.6	52.9	3.4	40.5	52.9	43.9	3.2	0.0	54.4	54.8
Sweden	745	18.6	13.1	0.5	57.2	13.1	57.7	28.9	0.3	17.7	19.3
Turkiye	703	46.3	41.0	4.5	43.0	41.0	47.5	11.4	0.0	45.0	47.9
United Arab Emirates	4040	35.6	32.9	2.4	57.1	32.9	59.4	7.5	0.2	32.1	38.9
United States	1162	25.5	24.6	2.0	69.8	24.6	71.8	3.4	0.2	22.9	27.9
Uzbekistan	628	21.6	19.1	2.0	67.3	19.1	69.4	11.5	0.0	18.3	25.1
International Avg. (40)	36844	26.8	23.3	2.2	59.6	23.3	61.8	14.8	0.1	25.6	28.0
Abu Dhabi, UAE	1033	20.8	19.3	1.8	71.8	19.3	73.6	7.1	0.0	17.2	24.2
Dubai, UAE	1180	52.5	47.3	2.5	40.3	47.3	42.8	9.8	0.1	48.0	56.7
Sharjah, UAE	934	37.1	35.1	3.2	56.4	35.1	59.5	5.1	0.3	35.4	38.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MD2_02 ME72019: Order fractions and decimals from smallest to largest - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	47.7	47.4	51.8	47.4	51.8	0.4	0.4	37.4	56.6
Austria	671	49.3	49.3	50.7	49.3	50.7	0.0	0.0	38.0	60.6
Azerbaijan	892	26.0	25.2	71.5	25.2	71.5	3.3	0.0	24.0	27.9
Bahrain	750	15.3	15.3	84.4	15.3	84.4	0.3	0.0	15.3	15.3
Brazil	3282	7.2	7.1	91.2	7.1	91.2	1.2	0.5	4.3	10.2
Chile	645	8.7	8.5	89.7	8.5	89.7	1.2	0.6	3.6	13.1
Chinese Taipei	1110	63.8	63.8	36.1	63.8	36.1	0.1	0.0	61.7	65.8
Cyprus	616	37.7	37.2	61.4	37.2	61.4	0.8	0.6	29.5	46.4
Czech Republic	1180	41.0	41.0	58.9	41.0	58.9	0.1	0.1	28.3	53.2
England	622	56.3	55.7	43.2	55.7	43.2	0.9	0.2	48.1	64.4
Finland	860	50.8	50.7	49.2	50.7	49.2	0.1	0.0	43.9	56.4
France	649	37.0	36.9	62.9	36.9	62.9	0.2	0.0	26.7	47.9
Georgia	711	20.5	20.4	78.9	20.4	78.9	0.8	0.0	16.5	24.0
Hong Kong SAR	650	69.7	69.3	30.1	69.3	30.1	0.0	0.7	67.4	71.6
Hungary	798	36.2	36.2	63.7	36.2	63.7	0.1	0.0	27.5	45.8
Ireland	734	64.4	64.4	35.6	64.4	35.6	0.1	0.0	53.6	73.7
Israel	755	32.8	32.5	66.5	32.5	66.5	0.4	0.5	25.0	40.5
Italy	672	31.6	31.5	68.3	31.5	68.3	0.2	0.0	25.1	38.5
Japan	770	59.7	59.6	40.3	59.6	40.3	0.0	0.1	55.5	63.6
Jordan	610	8.5	8.5	91.4	8.5	91.4	0.1	0.0	7.2	9.8
Kazakhstan	931	17.7	17.5	81.7	17.5	81.7	0.6	0.1	13.3	21.5
Korea, Rep. of	856	59.3	59.0	40.5	59.0	40.5	0.2	0.3	55.1	63.2
Lithuania	785	42.9	42.9	57.0	42.9	57.0	0.0	0.1	33.8	52.6
Malaysia	1255	9.9	9.9	90.1	9.9	90.1	0.0	0.0	6.6	13.4
Malta	579	50.3	50.1	49.4	50.1	49.4	0.5	0.0	45.6	54.8
Morocco	752	12.5	12.4	86.7	12.4	86.7	0.4	0.5	8.5	16.4
New Zealand	566	37.7	37.6	62.3	37.6	62.3	0.1	0.0	29.6	44.8
Norway (9)	903	48.8	48.2	50.6	48.2	50.6	0.8	0.4	43.3	53.1
Oman	716	10.0	9.9	89.4	9.9	89.4	0.4	0.4	8.9	10.9
Palestinian Nat'l Auth.	568	10.0	9.9	89.1	9.9	89.1	0.9	0.1	12.2	8.0
Portugal	794	28.5	28.4	71.5	28.4	71.5	0.1	0.0	19.6	37.1
Qatar	633	24.0	23.8	75.5	23.8	75.5	0.7	0.0	19.5	28.6
Romania	542	32.9	32.7	66.7	32.7	66.7	0.4	0.1	31.1	34.6
Saudi Arabia	515	10.3	10.2	89.5	10.2	89.5	0.3	0.0	7.7	12.7
Singapore	963	66.7	66.7	33.3	66.7	33.3	0.0	0.0	60.7	72.1
Sweden	746	63.0	62.6	36.8	62.6	36.8	0.4	0.3	58.2	67.8
Turkiye	703	28.8	28.6	70.8	28.6	70.8	0.6	0.0	25.2	33.0
United Arab Emirates	4042	34.5	34.4	65.2	34.4	65.2	0.3	0.2	26.6	42.1
United States	1162	42.2	42.1	57.6	42.1	57.6	0.1	0.3	35.4	48.5
Uzbekistan	628	13.4	13.3	86.2	13.3	86.2	0.4	0.0	9.5	17.5
International Avg. (40)	36857	35.2	35.0	64.4	35.0	64.4	0.4	0.2	29.7	40.4
Abu Dhabi, UAE	1034	25.7	25.5	74.0	25.5	74.0	0.4	0.0	17.7	33.3
Dubai, UAE	1180	50.8	50.6	49.0	50.6	49.0	0.3	0.1	40.8	60.2
Sharjah, UAE	935	30.8	30.6	68.8	30.6	68.8	0.3	0.3	26.0	35.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MD2_03 ME72189: 7/100 + 6/1000 = - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	53.2	11.6	52.5	17.3	17.3	0.9	0.4	48.1	57.5
Austria	671	54.9	11.1	54.8	18.1	15.7	0.3	0.0	55.4	54.4
Azerbaijan	892	61.3	9.6	60.3	15.4	13.1	1.7	0.0	59.8	62.7
Bahrain	750	32.0	9.9	31.9	38.9	19.1	0.2	0.1	29.2	34.9
Brazil	3282	30.6	10.8	30.0	28.5	28.9	1.3	0.5	28.5	32.5
Chile	645	38.2	9.4	36.7	30.4	19.5	3.4	0.6	34.8	41.3
Chinese Taipei	1110	77.6	4.2	77.6	8.1	10.2	0.0	0.0	78.5	76.7
Cyprus	616	44.2	12.0	43.9	26.7	16.6	0.2	0.6	42.4	46.1
Czech Republic	1180	54.2	8.3	53.7	20.4	16.8	0.8	0.1	52.0	56.3
England	622	50.9	13.2	50.3	18.9	16.5	0.8	0.2	47.7	54.0
Finland	860	49.1	15.7	48.9	21.6	13.4	0.5	0.0	47.1	50.7
France	649	49.0	10.0	48.8	13.7	27.0	0.6	0.0	48.0	50.1
Georgia	711	52.9	8.9	52.1	17.8	19.7	1.6	0.0	52.2	53.6
Hong Kong SAR	650	81.3	4.2	80.7	7.0	7.4	0.2	0.7	79.0	83.2
Hungary	798	56.2	10.8	56.1	17.9	15.1	0.1	0.0	53.3	59.4
Ireland	734	59.4	9.9	59.3	15.5	15.2	0.2	0.0	52.4	65.5
Israel	755	49.8	9.0	49.2	23.5	17.1	0.6	0.5	48.4	51.1
Italy	672	55.2	7.7	54.8	17.3	19.5	0.7	0.0	56.3	54.0
Japan	770	71.7	5.2	71.3	10.7	12.2	0.5	0.1	69.2	74.2
Jordan	610	34.9	8.1	34.6	34.2	22.4	0.6	0.0	33.5	36.1
Kazakhstan	931	53.2	9.9	52.8	21.9	14.6	0.6	0.2	55.0	51.7
Korea, Rep. of	856	79.4	4.1	79.2	8.2	8.2	0.0	0.3	79.8	79.0
Lithuania	785	51.5	7.1	51.2	23.9	17.1	0.5	0.1	49.8	53.2
Malaysia	1255	47.7	12.2	47.5	20.2	19.7	0.4	0.0	47.2	48.1
Malta	579	49.7	14.4	49.2	15.4	19.9	1.1	0.0	47.6	51.7
Morocco	752	41.4	7.6	41.0	20.0	30.6	0.4	0.5	42.4	40.3
New Zealand	566	48.0	13.2	47.4	16.9	21.2	1.1	0.1	43.0	52.3
Norway (9)	903	54.0	15.8	52.3	17.6	11.2	2.7	0.4	52.4	55.3
Oman	716	51.3	7.1	50.8	24.1	17.0	0.6	0.4	50.9	51.8
Palestinian Nat'l Auth.	568	36.3	6.7	36.1	33.6	23.3	0.2	0.1	42.7	30.5
Portugal	794	54.2	4.3	54.0	20.2	21.2	0.3	0.0	54.5	53.9
Qatar	633	43.7	8.0	43.4	25.2	22.8	0.6	0.0	43.1	44.3
Romania	542	60.2	12.9	60.2	12.2	14.6	0.0	0.1	59.2	61.2
Saudi Arabia	515	28.7	14.2	28.6	36.5	20.4	0.4	0.0	25.4	31.7
Singapore	963	80.8	6.1	80.8	6.7	6.4	0.0	0.0	81.8	80.0
Sweden	746	57.9	12.5	57.1	16.2	12.8	1.0	0.3	56.1	59.7
Turkiye	703	52.4	8.3	51.8	16.6	22.1	1.2	0.0	49.3	56.1
United Arab Emirates	4042	63.8	7.0	63.5	15.3	13.7	0.3	0.2	63.7	64.0
United States	1162	51.9	7.8	51.7	20.7	19.3	0.3	0.3	52.5	51.4
Uzbekistan	628	49.4	10.7	49.2	22.0	17.6	0.5	0.0	49.0	49.9
International Avg. (40)	36857	52.8	9.5	52.4	19.9	17.4	0.7	0.2	51.5	54.0
Abu Dhabi, UAE	1034	56.3	8.1	56.2	17.9	17.6	0.1	0.0	56.8	55.9
Dubai, UAE	1180	70.2	6.9	69.9	12.1	10.6	0.4	0.1	70.3	70.1
Sharjah, UAE	935	65.2	6.2	64.7	15.0	13.3	0.5	0.3	65.2	65.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MD2_04 ME72024: Value of P for expression with fraction and decimal - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	32.1	29.7	14.5	48.4	29.7	62.9	7.0	0.4	31.9	32.6
Austria	670	23.3	20.7	16.1	51.9	20.7	68.0	11.3	0.0	20.9	25.6
Azerbaijan	891	47.8	40.6	7.4	37.1	40.6	44.4	14.7	0.2	48.4	47.2
Bahrain	749	16.8	15.7	6.0	72.0	15.7	78.0	6.2	0.1	16.6	17.0
Brazil	3280	6.6	5.9	3.1	79.5	5.9	82.6	10.9	0.6	6.0	7.2
Chile	644	7.5	6.0	5.8	67.6	6.0	73.4	19.9	0.7	6.0	8.9
Chinese Taipei	1110	60.0	59.4	18.4	21.3	59.4	39.6	1.0	0.0	61.2	58.8
Cyprus	616	23.5	19.1	11.3	51.1	19.1	62.4	17.9	0.6	25.1	21.7
Czech Republic	1180	46.0	39.3	9.2	37.0	39.3	46.2	14.4	0.1	44.9	46.9
England	622	33.8	29.2	15.1	42.0	29.2	57.1	13.4	0.2	32.1	35.4
Finland	856	24.4	22.1	12.8	55.8	22.1	68.6	9.2	0.1	25.4	23.6
France	649	30.1	26.4	15.3	46.2	26.4	61.5	12.1	0.0	28.1	32.0
Georgia	710	39.8	32.6	8.7	40.6	32.6	49.3	17.9	0.1	38.6	40.8
Hong Kong SAR	649	45.0	43.0	11.5	41.2	43.0	52.7	3.6	0.7	43.8	45.9
Hungary	798	30.2	28.0	15.5	49.2	28.0	64.7	7.3	0.0	27.7	32.8
Ireland	734	34.0	32.3	25.8	37.0	32.3	62.7	5.0	0.0	30.1	37.2
Israel	755	26.7	24.2	16.1	50.6	24.2	66.6	8.6	0.5	24.4	28.8
Italy	671	31.9	27.2	13.2	45.0	27.2	58.2	14.6	0.0	31.1	32.6
Japan	770	37.5	33.1	20.0	35.2	33.1	55.2	11.6	0.1	30.0	44.4
Jordan	610	9.3	8.9	3.3	83.8	8.9	87.1	3.9	0.0	8.9	9.7
Kazakhstan	930	35.3	32.1	7.1	51.8	32.1	58.8	8.9	0.2	38.5	32.5
Korea, Rep. of	856	63.2	61.0	15.6	20.0	61.0	35.6	3.1	0.3	63.2	63.1
Lithuania	784	39.9	35.5	14.2	39.2	35.5	53.5	10.9	0.1	41.6	38.2
Malaysia	1255	10.3	10.2	8.4	79.8	10.2	88.2	1.6	0.1	9.5	11.2
Malta	579	17.9	16.4	6.2	69.1	16.4	75.3	8.1	0.2	16.8	19.0
Morocco	598	11.2	9.5	3.5	72.1	9.5	75.6	14.2	0.6	13.1	9.3
New Zealand	566	20.2	18.5	16.2	57.0	18.5	73.2	8.2	0.1	18.7	21.4
Norway (9)	902	24.3	20.0	12.7	49.5	20.0	62.2	17.2	0.6	24.3	24.4
Oman	714	11.7	10.9	2.9	79.4	10.9	82.2	6.5	0.4	12.2	11.3
Palestinian Nat'l Auth.	568	15.6	15.1	5.0	76.7	15.1	81.7	3.0	0.1	18.4	13.1
Portugal	794	28.2	25.2	15.3	49.0	25.2	64.3	10.6	0.0	26.9	29.4
Qatar	633	21.8	20.3	11.0	61.6	20.3	72.6	7.1	0.0	18.5	25.3
Romania	542	30.8	28.6	8.8	55.4	28.6	64.2	7.1	0.1	26.1	35.2
Saudi Arabia	515	7.9	7.7	4.3	85.5	7.7	89.8	2.5	0.0	8.6	7.3
Singapore	963	58.5	58.3	10.7	30.6	58.3	41.4	0.3	0.0	59.0	58.1
Sweden	746	33.0	28.5	14.5	43.2	28.5	57.8	13.3	0.4	32.5	33.5
Turkiye	703	42.1	37.5	10.2	41.3	37.5	51.5	11.0	0.0	41.2	43.2
United Arab Emirates	4040	36.1	34.5	7.4	53.8	34.5	61.3	4.0	0.2	32.7	39.2
United States	1162	29.6	29.0	11.6	57.4	29.0	69.0	1.7	0.4	25.7	33.2
Uzbekistan	628	26.7	24.2	7.8	58.8	24.2	66.6	9.2	0.0	24.8	28.7
International Avg. (40)	36683	29.3	26.7	11.1	53.1	26.7	64.2	9.0	0.2	28.3	30.1
Abu Dhabi, UAE	1033	27.5	26.4	8.7	60.9	26.4	69.6	4.0	0.0	25.3	29.5
Dubai, UAE	1180	47.0	44.4	7.1	43.0	44.4	50.1	5.3	0.1	39.9	53.5
Sharjah, UAE	935	34.5	33.7	7.8	56.0	33.7	63.8	2.1	0.4	34.0	35.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MD2_05 ME72043: Ratio of tablet screen side lengths - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	39.4	13.8	40.4	38.3	4.6	2.3	0.6	39.1	39.9
Austria	671	33.3	20.8	33.1	32.4	11.0	2.7	0.0	31.4	35.2
Azerbaijan	892	47.0	16.0	24.7	44.7	9.6	4.5	0.5	46.2	47.7
Bahrain	750	26.4	24.0	34.4	25.4	12.4	3.7	0.1	25.0	27.8
Brazil	3282	18.3	26.2	40.1	17.9	13.3	1.9	0.7	16.9	19.7
Chile	645	21.1	27.2	36.4	19.9	10.6	4.9	1.0	18.6	23.3
Chinese Taipei	1110	72.1	6.6	16.3	72.1	5.0	0.0	0.0	76.5	68.1
Cyprus	616	34.0	19.7	32.5	33.2	12.1	1.9	0.6	34.0	34.0
Czech Republic	1180	42.3	19.6	29.5	41.4	7.2	2.2	0.1	35.3	49.0
England	514	47.7	13.2	31.6	46.5	6.3	2.2	0.3	43.9	51.4
Finland	860	31.5	18.2	40.4	31.1	8.9	1.4	0.1	30.2	32.6
France	649	22.1	24.2	41.6	20.7	7.1	6.1	0.2	22.3	21.9
Georgia	711	42.6	23.1	24.6	40.9	7.4	3.8	0.1	41.9	43.1
Hong Kong SAR	650	67.3	10.5	17.6	65.9	4.0	1.4	0.7	69.1	65.8
Hungary	798	43.2	20.5	27.7	43.0	8.3	0.5	0.0	39.4	47.2
Ireland	734	42.2	22.0	26.8	41.3	7.9	2.1	0.1	35.6	47.8
Israel	755	32.2	23.4	32.7	31.5	10.2	1.6	0.6	30.6	33.8
Italy	672	49.4	18.2	25.7	47.7	5.0	3.3	0.0	48.4	50.4
Japan	314	73.9	5.1	14.9	73.3	6.0	0.6	0.3	74.1	73.6
Jordan	610	16.5	28.6	41.7	16.3	12.1	1.4	0.0	14.8	18.1
Kazakhstan	931	31.7	25.5	30.4	30.8	10.6	2.5	0.2	31.7	31.6
Korea, Rep. of	856	72.6	6.0	16.2	71.9	5.1	0.5	0.4	71.5	73.6
Lithuania	785	42.6	20.2	29.4	41.6	6.6	2.1	0.1	40.5	44.7
Malaysia	1255	26.2	22.8	39.7	26.0	10.8	0.7	0.1	26.0	26.5
Malta	463	32.2	22.9	37.6	31.6	5.8	1.9	0.2	31.5	32.9
Morocco	752	18.7	30.5	27.9	17.8	19.0	4.3	0.5	19.3	18.2
New Zealand	566	32.6	19.8	39.6	31.9	6.5	2.2	0.1	29.9	35.0
Norway (9)	903	34.0	20.1	35.0	32.2	7.2	4.6	0.8	32.9	34.9
Oman	678	23.2	29.9	33.9	22.4	10.5	3.0	0.4	22.7	23.7
Palestinian Nat'l Auth.	568	24.0	29.0	29.7	23.4	15.5	2.2	0.1	21.1	26.4
Portugal	794	24.4	29.4	36.5	23.9	8.4	1.5	0.3	24.3	24.4
Qatar	520	28.0	22.2	38.5	27.5	9.9	1.9	0.0	25.7	30.3
Romania	542	36.2	26.4	30.5	35.7	6.0	1.1	0.2	38.5	33.9
Saudi Arabia	515	17.3	33.5	37.3	17.1	11.0	0.9	0.2	19.9	14.9
Singapore	963	86.8	2.8	9.1	86.6	1.3	0.2	0.0	88.6	85.1
Sweden	746	30.4	19.1	39.2	28.6	7.3	5.3	0.4	24.1	36.3
Turkiye	703	39.5	16.1	30.9	37.8	11.0	4.2	0.0	39.0	40.0
United Arab Emirates	3471	38.8	15.8	36.5	37.9	7.6	1.8	0.4	34.8	42.4
United States	1162	32.2	18.0	41.3	31.9	7.9	0.4	0.5	32.5	31.9
Uzbekistan	628	27.7	25.3	30.9	27.0	14.3	2.5	0.0	26.8	28.6
International Avg. (40)	35455	37.5	20.4	31.6	36.7	8.8	2.3	0.3	36.4	38.7
Abu Dhabi, UAE	948	30.9	16.8	41.3	30.4	9.8	1.6	0.2	24.7	36.8
Dubai, UAE	929	51.3	13.9	28.0	50.3	5.9	1.7	0.2	46.1	56.0
Sharjah, UAE	795	37.6	14.8	38.9	36.6	6.9	2.1	0.7	39.5	36.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MD2_06 ME72221: Value of $y = 2x^2 - 2x + 5$ given x - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	50.8	13.0	49.1	20.7	13.9	2.6	0.6	48.7	52.8
Austria	671	62.3	9.2	61.4	16.1	11.9	1.5	0.0	66.0	58.6
Azerbaijan	892	60.9	10.4	58.1	15.0	12.0	4.0	0.5	61.1	60.7
Bahrain	750	43.5	17.5	43.0	21.7	16.6	1.1	0.1	45.5	41.5
Brazil	3282	29.5	12.6	28.7	24.6	31.5	1.9	0.7	27.6	31.3
Chile	645	31.4	13.3	29.2	24.5	25.8	6.1	1.2	31.5	31.4
Chinese Taipei	1110	77.9	7.7	77.8	9.0	5.4	0.0	0.0	80.3	75.6
Cyprus	616	59.1	12.3	58.3	15.3	12.8	0.6	0.7	62.0	56.0
Czech Republic	1180	65.3	5.6	64.0	14.4	14.1	1.9	0.1	63.2	67.3
England	622	49.3	18.4	47.8	18.4	12.5	2.8	0.2	45.5	53.0
Finland	860	48.2	13.6	47.3	22.9	14.3	1.8	0.1	50.0	46.7
France	649	45.5	10.5	44.3	22.7	20.0	2.2	0.2	42.8	48.3
Georgia	711	52.9	14.3	51.3	15.8	15.5	2.9	0.1	54.1	52.0
Hong Kong SAR	650	78.3	7.7	77.5	8.3	5.4	0.3	0.7	83.6	74.1
Hungary	798	55.1	12.3	54.9	17.8	14.5	0.4	0.0	54.7	55.6
Ireland	734	41.6	18.8	40.7	24.3	14.0	2.1	0.1	40.9	42.2
Israel	755	46.5	12.1	45.2	24.3	15.7	2.2	0.6	45.2	47.8
Italy	672	57.5	8.8	56.9	16.4	16.8	1.1	0.0	56.3	58.9
Japan	770	79.6	4.0	79.0	10.1	6.2	0.7	0.1	77.6	81.5
Jordan	610	36.1	14.7	35.8	22.8	25.8	0.8	0.0	35.0	37.1
Kazakhstan	931	48.2	10.5	47.1	20.3	19.9	2.0	0.2	51.0	45.7
Korea, Rep. of	856	79.6	5.4	78.9	9.8	5.1	0.3	0.5	79.9	79.2
Lithuania	785	55.3	9.8	54.3	18.1	16.1	1.6	0.1	56.4	54.1
Malaysia	1255	33.9	14.4	33.6	29.3	21.9	0.5	0.2	29.8	38.1
Malta	579	48.8	17.4	48.2	19.1	14.1	0.9	0.3	50.2	47.5
Morocco	752	32.3	14.8	31.6	22.9	28.6	1.2	0.8	34.1	30.5
New Zealand	566	42.1	15.5	41.4	22.6	18.7	1.7	0.1	39.8	44.2
Norway (9)	903	41.8	14.9	39.8	25.6	14.8	3.9	0.9	42.2	41.5
Oman	716	43.3	12.0	42.5	22.3	21.2	1.7	0.4	49.1	37.8
Palestinian Nat'l Auth.	568	36.9	16.9	36.4	20.5	25.1	1.0	0.1	38.7	35.2
Portugal	794	46.4	11.1	45.4	21.3	20.2	1.9	0.3	48.3	44.5
Qatar	633	42.8	14.1	42.2	22.5	19.7	1.5	0.0	36.7	49.3
Romania	542	63.9	7.1	63.6	13.3	15.6	0.2	0.2	70.4	57.6
Saudi Arabia	515	34.4	19.2	34.2	24.6	21.2	0.6	0.2	33.8	35.0
Singapore	963	76.8	7.9	76.8	10.5	4.7	0.0	0.0	79.4	74.5
Sweden	746	38.6	13.8	37.2	27.7	17.7	3.0	0.6	34.6	42.6
Turkiye	703	48.7	11.1	46.3	18.1	19.4	5.1	0.0	50.2	47.1
United Arab Emirates	4042	57.6	11.8	56.8	16.5	13.5	1.1	0.3	55.2	59.9
United States	1162	45.6	18.5	45.2	21.6	13.9	0.2	0.6	42.2	48.6
Uzbekistan	628	48.0	9.7	47.2	18.6	22.8	1.8	0.0	44.5	51.8
International Avg. (40)	36857	50.9	12.3	50.0	19.3	16.5	1.7	0.3	50.9	50.9
Abu Dhabi, UAE	1034	47.0	12.1	46.4	22.7	17.5	1.1	0.1	42.3	51.5
Dubai, UAE	1180	65.9	11.9	64.9	11.7	10.0	1.4	0.2	61.0	70.4
Sharjah, UAE	935	62.4	9.3	61.6	15.3	12.5	0.7	0.6	63.9	60.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_MD2_07 ME72220: Simplify $4(3a + 4) - 3(4a - 6)$ - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	16.2	33.8	31.1	16.1	15.7	2.7	0.6	15.4	17.0
Austria	671	25.2	28.9	20.8	24.7	25.1	0.6	0.0	25.0	25.5
Azerbaijan	892	42.4	16.7	18.2	20.8	41.0	2.8	0.5	44.2	40.9
Bahrain	750	21.5	25.2	34.6	16.8	21.0	2.3	0.1	20.2	22.8
Brazil	3282	11.4	31.1	35.5	18.4	10.9	3.1	1.0	11.5	11.2
Chile	645	10.1	30.6	32.2	17.7	9.0	8.8	1.6	10.1	10.1
Chinese Taipei	1110	66.5	10.5	8.8	14.2	66.5	0.0	0.0	69.9	63.4
Cyprus	616	36.4	19.8	21.3	21.0	35.6	1.6	0.7	39.3	33.3
Czech Republic	1180	31.7	29.0	23.4	14.5	31.0	2.0	0.2	31.8	31.5
England	622	22.8	29.3	26.1	20.2	22.3	2.0	0.2	21.5	24.1
Finland	860	14.2	36.8	27.2	19.9	13.9	2.1	0.1	14.8	13.8
France	649	12.3	31.7	37.0	14.9	11.7	4.5	0.2	11.0	13.8
Georgia	711	29.9	24.9	24.6	18.1	28.8	3.5	0.2	31.5	28.4
Hong Kong SAR	650	51.8	13.4	16.1	18.0	51.1	0.7	0.7	52.1	51.4
Hungary	798	21.7	30.2	25.2	22.2	21.5	0.9	0.0	21.6	21.8
Ireland	734	30.3	27.8	24.7	15.9	29.8	1.7	0.1	27.8	32.5
Israel	755	32.2	21.3	27.0	18.4	31.6	0.9	0.8	30.2	34.0
Italy	672	23.6	26.6	26.1	22.0	23.0	2.3	0.0	23.5	23.6
Japan	770	70.8	7.8	9.2	12.1	70.8	0.0	0.1	72.7	69.0
Jordan	610	18.9	25.5	34.4	19.4	18.5	2.2	0.0	17.9	19.9
Kazakhstan	931	23.7	28.6	25.9	19.3	23.0	2.9	0.2	26.2	21.6
Korea, Rep. of	856	67.7	10.7	10.2	11.2	67.2	0.3	0.5	67.9	67.5
Lithuania	785	27.5	28.2	25.0	17.5	26.8	2.3	0.1	30.6	24.1
Malaysia	1255	17.7	29.0	39.8	12.9	17.5	0.6	0.2	18.7	16.5
Malta	579	35.6	21.2	25.8	16.5	35.2	1.0	0.3	42.5	29.2
Morocco	752	17.5	22.9	40.6	16.3	16.9	2.4	0.9	15.0	20.0
New Zealand	566	11.0	34.3	36.2	16.6	10.7	2.2	0.1	9.5	12.2
Norway (9)	903	11.3	34.0	31.5	17.1	10.5	6.0	1.0	7.9	13.9
Oman	716	20.6	24.5	36.0	17.0	20.1	2.1	0.4	21.2	20.0
Palestinian Nat'l Auth.	568	17.1	27.4	33.6	20.9	16.8	1.2	0.1	17.6	16.6
Portugal	794	18.2	34.0	31.4	14.4	17.8	2.1	0.3	20.9	15.7
Qatar	633	29.0	25.1	27.3	17.4	28.5	1.7	0.0	30.4	27.6
Romania	542	41.5	18.4	15.1	24.8	41.3	0.2	0.2	45.9	37.2
Saudi Arabia	515	12.1	30.6	35.8	20.5	11.9	1.0	0.2	9.7	14.3
Singapore	963	68.1	8.6	9.8	13.4	68.0	0.2	0.0	73.1	63.7
Sweden	746	18.9	34.6	23.1	19.3	17.9	4.4	0.7	19.8	17.9
Turkiye	703	34.6	21.6	21.5	20.0	33.4	3.4	0.0	33.3	36.2
United Arab Emirates	4042	37.6	22.1	22.0	17.2	36.9	1.5	0.4	38.0	37.1
United States	1162	29.1	27.9	25.3	16.9	28.7	0.6	0.7	28.3	29.8
Uzbekistan	628	22.7	26.3	26.0	23.9	22.4	1.3	0.0	23.6	21.8
International Avg. (40)	36857	28.8	25.3	26.1	18.0	28.3	2.0	0.3	29.3	28.3
Abu Dhabi, UAE	1034	31.0	24.2	25.9	17.9	30.5	1.3	0.2	33.7	28.4
Dubai, UAE	1180	42.4	21.0	18.0	17.5	41.7	1.5	0.2	40.1	44.6
Sharjah, UAE	935	42.6	18.5	20.6	16.9	41.6	1.9	0.6	45.7	39.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD2_08 ME72225: Number of pizzas (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	39.4	37.4	57.5	37.4	57.5	4.4	0.7	36.9	41.5
Austria	671	36.1	33.9	60.0	33.9	60.0	6.1	0.0	30.5	41.5
Azerbaijan	892	42.3	34.9	47.6	34.9	47.6	16.8	0.6	37.6	46.5
Bahrain	748	23.2	22.0	72.7	22.0	72.7	5.3	0.1	21.2	25.3
Brazil	3280	17.9	16.2	74.4	16.2	74.4	8.4	1.0	13.6	22.0
Chile	643	26.1	22.0	62.3	22.0	62.3	13.8	1.9	21.7	29.9
Chinese Taipei	1110	76.1	75.3	23.6	75.3	23.6	1.1	0.0	78.6	73.8
Cyprus	615	32.3	28.4	59.5	28.4	59.5	11.4	0.7	29.9	34.7
Czech Republic	1180	49.6	44.5	45.3	44.5	45.3	10.0	0.2	42.1	56.3
England	622	40.3	36.2	53.6	36.2	53.6	10.0	0.2	32.8	47.3
Finland	860	38.6	36.5	57.9	36.5	57.9	5.5	0.1	40.8	36.9
France	649	31.8	28.3	60.8	28.3	60.8	10.6	0.3	27.8	35.9
Georgia	709	35.5	31.3	56.7	31.3	56.7	11.7	0.3	32.5	38.0
Hong Kong SAR	650	60.4	57.1	37.5	57.1	37.5	4.7	0.7	57.0	63.1
Hungary	798	41.9	39.8	55.1	39.8	55.1	5.2	0.0	35.6	48.4
Ireland	734	44.0	40.1	50.9	40.1	50.9	8.9	0.1	39.5	47.9
Israel	755	40.2	36.2	53.8	36.2	53.8	9.0	1.0	33.7	46.4
Italy	672	37.1	33.5	57.0	33.5	57.0	9.4	0.1	33.1	41.0
Japan	770	70.4	67.0	28.2	67.0	28.2	4.8	0.1	66.0	74.6
Jordan	610	13.1	12.7	83.8	12.7	83.8	3.5	0.0	11.8	14.4
Kazakhstan	930	36.0	33.1	58.9	33.1	58.9	7.7	0.3	33.6	38.0
Korea, Rep. of	855	70.5	67.3	28.2	67.3	28.2	4.0	0.5	67.2	73.5
Lithuania	784	41.2	37.1	53.0	37.1	53.0	9.7	0.1	36.4	46.1
Malaysia	1255	19.9	19.6	78.9	19.6	78.9	1.3	0.2	17.6	22.3
Malta	579	27.5	25.1	66.0	25.1	66.0	8.5	0.3	23.2	31.6
Morocco	752	5.1	4.3	79.9	4.3	79.9	14.6	1.3	4.7	5.5
New Zealand	566	40.3	38.1	56.5	38.1	56.5	5.3	0.1	39.2	41.2
Norway (9)	903	42.3	38.3	52.2	38.3	52.2	8.3	1.1	42.5	42.2
Oman	715	12.6	11.9	82.9	11.9	82.9	4.8	0.4	9.9	15.0
Palestinian Nat'l Auth.	568	14.0	13.6	83.6	13.6	83.6	2.7	0.1	10.9	16.6
Portugal	794	37.2	34.4	58.2	34.4	58.2	7.0	0.4	34.6	39.5
Qatar	633	25.4	23.8	69.6	23.8	69.6	6.6	0.0	22.1	29.0
Romania	542	39.9	36.6	55.0	36.6	55.0	8.2	0.2	36.0	43.4
Saudi Arabia	513	17.3	17.0	81.2	17.0	81.2	1.5	0.3	15.2	19.2
Singapore	963	67.8	66.7	31.7	66.7	31.7	1.7	0.0	66.3	69.2
Sweden	746	49.9	44.0	44.2	44.0	44.2	10.8	1.0	44.6	54.8
Turkiye	703	46.2	43.7	50.9	43.7	50.9	5.3	0.0	42.9	50.2
United Arab Emirates	4042	33.9	32.1	62.8	32.1	62.8	4.6	0.4	29.2	38.2
United States	1161	35.7	34.6	62.3	34.6	62.3	2.4	0.8	30.9	40.1
Uzbekistan	628	25.8	23.7	68.1	23.7	68.1	8.1	0.0	24.1	27.7
International Avg. (40)	36841	37.1	34.5	58.1	34.5	58.1	7.1	0.4	33.8	40.2
Abu Dhabi, UAE	1034	27.4	26.4	70.0	26.4	70.0	3.5	0.2	21.2	33.2
Dubai, UAE	1180	46.5	43.5	50.0	43.5	50.0	6.2	0.3	39.9	52.6
Sharjah, UAE	935	29.8	28.3	66.7	28.3	66.7	4.2	0.8	29.2	30.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD2_08A ME72225A: Number of pizzas - small - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	41.0	38.8	55.9	38.8	55.9	4.6	0.7	37.6	43.8
Austria	671	37.8	34.9	57.4	34.9	57.4	7.6	0.0	33.1	42.4
Azerbaijan	892	44.5	36.4	45.5	36.4	45.5	17.4	0.6	40.0	48.3
Bahrain	748	25.0	23.5	70.4	23.5	70.4	6.0	0.1	22.3	27.7
Brazil	3281	20.0	18.1	72.3	18.1	72.3	8.6	1.0	16.1	23.9
Chile	644	27.2	22.9	61.1	22.9	61.1	14.0	1.9	23.8	30.1
Chinese Taipei	1110	77.1	76.3	22.6	76.3	22.6	1.1	0.0	79.4	75.0
Cyprus	616	33.7	29.4	58.0	29.4	58.0	11.9	0.7	31.4	35.9
Czech Republic	1180	51.1	45.7	43.7	45.7	43.7	10.5	0.2	43.8	57.5
England	622	41.4	37.1	52.4	37.1	52.4	10.3	0.2	33.5	48.7
Finland	860	40.7	38.4	55.9	38.4	55.9	5.5	0.1	42.4	39.4
France	649	34.2	30.0	57.8	30.0	57.8	11.8	0.3	30.3	38.0
Georgia	709	36.7	32.0	55.2	32.0	55.2	12.5	0.3	33.1	39.6
Hong Kong SAR	650	61.9	58.6	36.0	58.6	36.0	4.8	0.7	57.3	65.6
Hungary	798	42.8	40.6	54.3	40.6	54.3	5.2	0.0	36.8	48.9
Ireland	734	46.5	42.1	48.5	42.1	48.5	9.4	0.1	40.8	51.2
Israel	755	41.6	37.1	52.0	37.1	52.0	9.8	1.0	35.1	47.8
Italy	672	39.2	35.1	54.4	35.1	54.4	10.4	0.1	35.8	42.5
Japan	770	71.2	67.6	27.4	67.6	27.4	5.0	0.1	67.0	75.2
Jordan	610	15.3	14.7	81.4	14.7	81.4	3.9	0.0	13.7	16.8
Kazakhstan	931	37.7	34.5	57.0	34.5	57.0	8.2	0.3	35.8	39.3
Korea, Rep. of	855	71.5	68.3	27.2	68.3	27.2	4.0	0.5	68.2	74.5
Lithuania	784	42.4	38.1	51.8	38.1	51.8	10.0	0.1	37.7	47.2
Malaysia	1255	22.6	22.2	76.2	22.2	76.2	1.4	0.2	20.6	24.6
Malta	579	29.9	27.0	63.4	27.0	63.4	9.2	0.3	26.2	33.3
Morocco	752	5.1	4.3	79.3	4.3	79.3	15.1	1.3	4.7	5.5
New Zealand	566	42.2	39.5	54.2	39.5	54.2	6.2	0.1	41.8	42.5
Norway (9)	903	43.9	39.6	50.5	39.6	50.5	8.8	1.1	44.3	43.6
Oman	716	15.3	14.4	79.8	14.4	79.8	5.3	0.4	11.8	18.6
Palestinian Nat'l Auth.	568	14.7	14.1	81.7	14.1	81.7	4.0	0.1	11.4	17.6
Portugal	794	38.3	35.3	56.9	35.3	56.9	7.4	0.4	36.5	40.0
Qatar	633	27.4	25.5	67.6	25.5	67.6	6.9	0.0	25.3	29.5
Romania	542	40.8	37.4	54.2	37.4	54.2	8.2	0.2	36.3	44.9
Saudi Arabia	513	19.7	19.2	78.3	19.2	78.3	2.2	0.3	17.8	21.4
Singapore	963	68.6	67.4	30.9	67.4	30.9	1.7	0.0	67.1	70.0
Sweden	746	51.8	45.7	42.5	45.7	42.5	10.8	1.0	47.1	56.2
Turkiye	703	48.0	45.2	48.8	45.2	48.8	6.0	0.0	45.3	51.3
United Arab Emirates	4042	34.9	33.0	61.6	33.0	61.6	4.9	0.4	30.5	39.0
United States	1161	37.1	35.9	60.9	35.9	60.9	2.5	0.8	33.1	40.8
Uzbekistan	628	27.0	24.6	66.5	24.6	66.5	8.9	0.0	25.7	28.3
International Avg. (40)	36846	38.7	35.8	56.3	35.8	56.3	7.5	0.4	35.5	41.7
Abu Dhabi, UAE	1034	28.0	26.9	69.2	26.9	69.2	3.8	0.2	22.0	33.7
Dubai, UAE	1180	47.2	44.0	49.2	44.0	49.2	6.5	0.3	41.0	52.9
Sharjah, UAE	935	31.5	29.7	64.7	29.7	64.7	4.8	0.8	30.9	32.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD2_08B ME72225B: Number of pizzas - large - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	41.7	39.1	54.7	39.1	54.7	5.6	0.7	39.1	43.8
Austria	671	39.2	36.3	56.5	36.3	56.5	7.2	0.0	32.6	45.5
Azerbaijan	892	45.3	36.6	44.1	36.6	44.1	18.7	0.6	40.9	49.2
Bahrain	748	26.6	24.2	67.0	24.2	67.0	8.7	0.1	23.9	29.3
Brazil	3280	21.0	18.7	70.4	18.7	70.4	9.9	1.0	17.8	24.1
Chile	643	30.5	25.3	57.9	25.3	57.9	14.9	1.9	25.9	34.3
Chinese Taipei	1110	77.4	76.2	22.3	76.2	22.3	1.5	0.0	79.4	75.4
Cyprus	615	34.3	29.6	56.7	29.6	56.7	13.0	0.7	31.3	37.3
Czech Republic	1180	51.3	45.5	43.2	45.5	43.2	11.0	0.2	44.2	57.7
England	622	43.3	38.4	50.3	38.4	50.3	11.1	0.2	36.1	50.0
Finland	860	41.5	38.9	54.8	38.9	54.8	6.1	0.1	43.2	40.1
France	649	33.5	29.0	57.7	29.0	57.7	12.9	0.3	28.8	38.2
Georgia	710	37.7	32.3	53.5	32.3	53.5	13.9	0.3	34.4	40.3
Hong Kong SAR	650	61.7	57.7	35.9	57.7	35.9	5.7	0.7	57.5	65.0
Hungary	798	43.8	41.4	53.1	41.4	53.1	5.4	0.0	37.6	50.2
Ireland	734	46.3	41.4	48.0	41.4	48.0	10.6	0.1	41.3	50.4
Israel	755	43.3	38.3	50.0	38.3	50.0	10.7	1.0	36.9	49.3
Italy	672	39.1	34.6	53.9	34.6	53.9	11.3	0.1	34.7	43.3
Japan	770	71.7	68.1	26.8	68.1	26.8	5.0	0.1	67.8	75.5
Jordan	610	14.0	13.2	80.8	13.2	80.8	6.0	0.0	12.4	15.6
Kazakhstan	930	38.1	34.4	56.0	34.4	56.0	9.2	0.3	36.1	39.6
Korea, Rep. of	855	72.7	69.1	26.0	69.1	26.0	4.3	0.5	68.8	76.2
Lithuania	784	43.5	38.7	50.3	38.7	50.3	10.9	0.1	38.2	48.9
Malaysia	1255	22.5	22.0	76.0	22.0	76.0	1.8	0.2	20.4	24.6
Malta	579	30.0	26.9	62.8	26.9	62.8	10.0	0.3	26.6	33.2
Morocco	752	7.1	5.6	73.9	5.6	73.9	19.1	1.3	5.8	8.2
New Zealand	566	41.9	39.4	54.5	39.4	54.5	6.0	0.1	41.1	42.6
Norway (9)	903	45.1	40.5	49.3	40.5	49.3	9.1	1.1	44.8	45.2
Oman	715	15.6	14.3	77.2	14.3	77.2	8.1	0.4	12.6	18.5
Palestinian Nat'l Auth.	568	16.3	15.2	78.0	15.2	78.0	6.7	0.1	13.0	19.2
Portugal	794	39.2	35.9	55.8	35.9	55.8	8.0	0.4	36.3	41.8
Qatar	633	28.3	26.0	65.9	26.0	65.9	8.0	0.0	24.7	32.2
Romania	542	41.9	37.8	52.5	37.8	52.5	9.5	0.2	38.1	45.4
Saudi Arabia	514	20.0	19.1	76.5	19.1	76.5	4.1	0.3	16.4	23.3
Singapore	963	69.4	68.0	30.0	68.0	30.0	2.0	0.0	67.8	70.8
Sweden	746	52.4	45.6	41.5	45.6	41.5	11.9	1.0	46.6	57.7
Turkiye	703	48.6	45.3	48.0	45.3	48.0	6.7	0.0	45.8	51.9
United Arab Emirates	4042	36.6	34.1	59.0	34.1	59.0	6.4	0.4	31.7	41.3
United States	1162	38.3	36.7	59.0	36.7	59.0	3.6	0.8	33.7	42.5
Uzbekistan	628	27.2	24.2	64.9	24.2	64.9	10.9	0.0	25.2	29.2
International Avg. (40)	36844	39.4	36.1	54.9	36.1	54.9	8.6	0.4	36.0	42.7
Abu Dhabi, UAE	1034	31.1	29.4	65.2	29.4	65.2	5.2	0.2	24.8	37.0
Dubai, UAE	1180	48.6	44.8	47.4	44.8	47.4	7.5	0.3	41.2	55.3
Sharjah, UAE	935	32.4	30.2	62.8	30.2	62.8	6.2	0.8	31.2	33.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD2_09A ME72110A: Triangle tiles for square shape - 5 by 5 square - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	40.0	37.5	56.3	37.5	56.3	5.4	0.8	42.1	38.1
Austria	671	29.2	26.5	64.2	26.5	64.2	9.2	0.2	29.7	28.8
Azerbaijan	892	25.1	19.4	58.0	19.4	58.0	21.3	1.3	25.2	25.0
Bahrain	749	12.7	11.6	80.0	11.6	80.0	8.3	0.1	12.8	12.6
Brazil	3279	10.9	9.3	76.0	9.3	76.0	13.7	1.0	8.5	13.2
Chile	645	21.6	17.7	64.4	17.7	64.4	15.6	2.3	18.9	23.9
Chinese Taipei	1110	63.7	62.8	35.7	62.8	35.7	1.5	0.0	66.3	61.3
Cyprus	616	22.8	20.5	69.5	20.5	69.5	9.1	0.9	20.0	25.8
Czech Republic	1180	47.8	42.9	46.9	42.9	46.9	9.9	0.3	44.8	50.6
England	622	33.5	29.9	59.3	29.9	59.3	10.5	0.3	28.1	38.7
Finland	859	25.1	22.9	68.2	22.9	68.2	8.5	0.4	26.0	24.4
France	649	22.9	20.3	68.1	20.3	68.1	11.2	0.5	22.1	23.7
Georgia	710	20.7	15.8	60.3	15.8	60.3	23.4	0.5	20.5	20.9
Hong Kong SAR	649	48.0	45.3	49.1	45.3	49.1	5.0	0.7	47.4	48.4
Hungary	797	31.4	30.2	66.0	30.2	66.0	3.7	0.0	30.0	32.9
Ireland	734	33.1	30.8	62.3	30.8	62.3	6.8	0.1	26.6	38.7
Israel	755	24.8	21.5	65.3	21.5	65.3	10.9	2.3	24.0	25.5
Italy	672	36.3	32.5	57.0	32.5	57.0	10.3	0.2	34.0	38.7
Japan	770	65.0	63.2	34.1	63.2	34.1	2.4	0.3	63.1	66.8
Jordan	610	5.0	4.7	89.7	4.7	89.7	5.6	0.0	3.3	6.5
Kazakhstan	931	17.9	15.5	71.1	15.5	71.1	12.6	0.9	16.9	18.7
Korea, Rep. of	856	48.0	45.8	49.5	45.8	49.5	4.2	0.5	42.6	53.2
Lithuania	785	34.5	32.1	60.9	32.1	60.9	6.6	0.3	33.2	35.9
Malaysia	1255	13.3	13.0	84.8	13.0	84.8	1.8	0.4	10.8	15.9
Malta	579	23.5	21.6	70.2	21.6	70.2	7.9	0.3	18.7	28.0
Morocco	751	4.5	3.6	75.9	3.6	75.9	18.6	2.0	4.4	4.6
New Zealand	566	31.8	29.5	63.3	29.5	63.3	7.0	0.2	28.7	34.5
Norway (9)	902	37.4	30.4	50.8	30.4	50.8	17.2	1.6	38.1	36.8
Oman	716	9.4	8.8	84.7	8.8	84.7	6.0	0.4	9.0	9.8
Palestinian Nat'l Auth.	568	6.9	6.5	87.9	6.5	87.9	5.5	0.1	8.0	5.9
Portugal	794	29.6	27.5	65.4	27.5	65.4	6.7	0.4	26.9	32.1
Qatar	633	18.4	16.9	75.1	16.9	75.1	7.5	0.5	17.0	20.0
Romania	542	24.2	22.9	71.9	22.9	71.9	4.5	0.7	23.1	25.2
Saudi Arabia	514	5.9	5.7	91.2	5.7	91.2	2.6	0.5	6.5	5.3
Singapore	963	55.1	54.5	44.5	54.5	44.5	1.0	0.0	51.9	57.9
Sweden	746	24.5	20.3	62.6	20.3	62.6	15.3	1.8	21.5	27.4
Turkiye	703	35.6	30.2	54.6	30.2	54.6	15.3	0.0	32.4	39.5
United Arab Emirates	4041	25.2	23.7	70.6	23.7	70.6	5.0	0.7	24.5	25.8
United States	1162	27.7	26.7	69.5	26.7	69.5	2.7	1.1	25.4	29.9
Uzbekistan	628	15.8	14.7	78.4	14.7	78.4	6.7	0.2	14.0	17.7
International Avg. (40)	36845	27.7	25.4	65.3	25.4	65.3	8.7	0.6	26.2	29.2
Abu Dhabi, UAE	1034	20.0	18.8	75.2	18.8	75.2	5.6	0.4	17.6	22.3
Dubai, UAE	1180	36.1	34.2	60.5	34.2	60.5	4.5	0.8	34.2	37.9
Sharjah, UAE	934	23.7	22.2	71.5	22.2	71.5	5.4	0.9	25.3	22.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD2_09B ME72110B: Triangle tiles for square shape - rule - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	24.3	16.3	2.6	58.9	18.9	58.9	21.4	0.8	25.7	23.3
Austria	671	21.1	10.1	2.4	46.9	12.6	46.9	40.4	0.2	22.0	20.2
Azerbaijan	892	22.0	8.6	0.8	33.3	9.4	33.3	55.8	1.5	25.5	19.3
Bahrain	750	9.7	5.5	1.3	63.1	6.8	63.1	29.8	0.4	11.7	7.7
Brazil	3281	4.1	2.1	0.4	58.4	2.5	58.4	37.6	1.4	1.8	6.0
Chile	645	8.0	2.8	1.7	51.6	4.5	51.6	41.4	2.4	5.5	9.8
Chinese Taipei	1110	55.8	49.0	0.9	39.5	49.8	39.5	10.7	0.0	57.6	54.2
Cyprus	616	23.3	11.9	1.1	42.6	13.0	42.6	43.6	0.9	25.2	21.4
Czech Republic	1180	31.6	16.8	2.6	41.9	19.4	41.9	38.1	0.6	31.0	32.2
England	622	26.5	15.1	1.3	45.5	16.4	45.5	36.8	1.3	20.6	31.5
Finland	860	15.8	10.1	1.6	62.1	11.7	62.1	25.8	0.4	16.6	15.3
France	649	21.4	10.4	0.4	39.4	10.7	39.4	49.0	0.9	19.8	23.2
Georgia	711	18.3	6.9	0.5	33.1	7.4	33.1	58.8	0.7	13.6	21.8
Hong Kong SAR	649	42.9	34.5	0.4	46.4	34.9	46.4	18.0	0.7	41.3	44.2
Hungary	798	28.3	16.8	0.8	44.6	17.6	44.6	37.8	0.0	28.2	28.4
Ireland	734	17.9	8.2	3.3	52.2	11.4	52.2	36.3	0.1	18.1	17.8
Israel	754	21.4	11.3	1.7	47.5	12.9	47.5	37.2	2.3	19.6	23.0
Italy	672	25.9	14.4	0.3	42.2	14.8	42.2	42.6	0.4	29.0	23.0
Japan	770	59.2	46.1	0.3	31.9	46.4	31.9	21.2	0.5	54.7	63.9
Jordan	607	2.8	1.4	0.3	59.2	1.7	59.2	39.1	0.1	3.3	2.2
Kazakhstan	931	14.4	7.5	0.3	46.2	7.8	46.2	45.1	1.0	13.6	14.9
Korea, Rep. of	856	37.1	29.3	0.0	49.7	29.3	49.7	20.4	0.5	34.9	39.1
Lithuania	784	26.5	13.5	1.4	41.5	15.0	41.5	43.2	0.3	24.1	28.7
Malaysia	1255	3.0	2.0	0.6	85.1	2.6	85.1	11.7	0.5	2.6	3.4
Malta	579	13.1	7.2	1.9	60.4	9.1	60.4	30.2	0.3	9.1	16.6
Morocco	752	3.6	1.5	0.0	40.5	1.5	40.5	55.9	2.1	3.6	3.5
New Zealand	566	16.5	11.1	1.6	64.5	12.7	64.5	22.1	0.7	17.3	15.7
Norway (9)	903	24.5	13.6	1.2	45.8	14.8	45.8	36.7	2.6	26.9	22.6
Oman	716	4.4	2.9	0.2	67.0	3.1	67.0	29.3	0.6	4.1	4.8
Palestinian Nat'l Auth.	568	5.8	2.8	1.2	65.2	4.0	65.2	30.6	0.1	6.6	5.2
Portugal	794	13.7	7.1	1.3	53.0	8.4	53.0	38.1	0.5	16.2	11.7
Qatar	633	9.8	6.7	0.7	67.8	7.4	67.8	24.1	0.7	6.5	13.7
Romania	542	21.6	12.0	0.6	45.6	12.5	45.6	41.0	0.9	22.5	20.9
Saudi Arabia	515	2.9	1.7	0.4	71.5	2.1	71.5	25.5	0.9	3.2	2.5
Singapore	962	45.2	40.3	1.3	50.4	41.7	50.4	7.8	0.1	42.2	48.0
Sweden	746	12.9	8.6	0.0	58.2	8.6	58.2	31.2	2.0	12.1	13.6
Turkiye	703	33.5	20.1	0.6	41.1	20.7	41.1	38.2	0.0	30.2	37.3
United Arab Emirates	4042	19.2	14.3	1.1	64.7	15.4	64.7	18.7	1.1	18.3	20.1
United States	1162	12.4	8.1	3.0	78.6	11.1	78.6	8.4	1.9	11.2	13.4
Uzbekistan	628	12.9	6.0	0.8	45.8	6.8	45.8	47.1	0.3	9.3	16.4
International Avg. (40)	36849	20.3	12.9	1.1	52.1	13.9	52.1	33.2	0.8	19.6	21.0
Abu Dhabi, UAE	1034	12.3	8.3	1.8	72.3	10.1	72.3	16.7	0.9	8.4	15.9
Dubai, UAE	1180	30.9	24.2	0.7	55.6	24.9	55.6	18.2	1.3	30.0	31.8
Sharjah, UAE	935	17.5	12.4	1.3	64.4	13.7	64.4	20.6	1.3	19.1	15.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Applying

B_MD2_10 ME72150: Cost of shipping box by volume - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	66.1	10.5	16.5	64.5	6.1	1.6	0.8	67.6	64.9
Austria	671	65.9	8.9	17.1	64.7	7.5	1.5	0.3	64.6	67.2
Azerbaijan	892	57.9	12.4	16.5	54.3	10.6	4.5	1.6	58.5	57.4
Bahrain	750	56.2	17.3	13.8	55.6	12.3	0.5	0.5	57.4	54.9
Brazil	3282	46.5	17.8	20.3	45.4	14.2	0.9	1.5	49.8	43.3
Chile	645	45.9	18.8	21.8	43.4	10.6	2.9	2.5	47.2	44.7
Chinese Taipei	1110	81.6	4.6	8.8	81.6	4.9	0.0	0.0	85.0	78.5
Cyprus	616	60.9	9.8	14.2	59.5	14.2	1.4	0.9	60.3	61.5
Czech Republic	1180	64.1	10.4	17.5	62.6	7.2	1.7	0.6	61.0	67.0
England	622	69.6	9.3	13.1	67.5	7.1	1.6	1.5	69.9	69.3
Finland	860	59.4	14.9	19.8	58.5	5.3	1.0	0.4	58.3	60.3
France	649	52.4	19.8	19.0	51.5	7.9	0.9	0.9	49.9	55.1
Georgia	711	59.4	12.0	18.4	57.1	8.6	3.2	0.7	56.7	61.6
Hong Kong SAR	650	80.3	4.3	10.9	79.8	4.4	0.0	0.7	82.5	78.5
Hungary	798	62.8	9.8	20.8	62.6	6.4	0.3	0.0	59.0	66.9
Ireland	734	74.8	6.7	12.7	73.6	5.5	1.5	0.1	71.1	78.0
Israel	755	57.9	15.1	16.7	55.5	8.5	1.6	2.6	54.6	61.0
Italy	672	60.7	14.9	17.9	59.8	6.0	0.9	0.6	58.4	63.1
Japan	770	87.4	1.9	7.9	87.0	2.7	0.0	0.5	86.7	88.0
Jordan	610	55.4	11.0	14.0	55.1	19.4	0.4	0.1	55.4	55.4
Kazakhstan	931	59.2	14.4	18.3	58.1	7.3	0.9	1.0	62.1	56.8
Korea, Rep. of	856	80.4	5.5	11.3	79.9	2.6	0.1	0.5	77.4	83.3
Lithuania	785	67.3	9.9	18.3	66.8	4.2	0.4	0.3	69.3	65.2
Malaysia	1255	54.5	16.8	18.4	54.0	10.0	0.1	0.8	52.6	56.4
Malta	579	66.5	9.9	13.4	65.7	9.8	0.5	0.7	65.1	67.9
Morocco	752	51.8	11.8	14.8	50.0	19.9	1.3	2.2	48.2	55.3
New Zealand	566	61.4	12.0	20.5	60.3	5.4	0.9	0.8	61.1	61.7
Norway (9)	903	67.9	7.9	17.8	64.4	4.7	2.6	2.6	69.4	66.8
Oman	716	52.9	18.9	12.9	51.6	14.2	1.4	1.0	54.5	51.3
Palestinian Nat'l Auth.	568	48.7	14.0	14.2	48.0	22.2	1.3	0.4	50.5	47.2
Portugal	794	57.7	15.3	19.3	56.7	7.0	1.2	0.5	57.7	57.7
Qatar	633	62.1	13.3	12.9	60.5	10.7	1.8	0.9	59.8	64.6
Romania	542	66.3	6.8	18.8	65.4	7.7	0.5	0.9	67.5	65.1
Saudi Arabia	515	51.6	15.8	17.1	50.7	14.7	0.4	1.4	52.7	50.6
Singapore	963	87.2	2.7	5.8	87.1	4.3	0.1	0.1	87.9	86.7
Sweden	746	68.0	9.3	14.6	64.1	6.2	3.7	2.1	68.2	67.9
Turkiye	703	59.4	8.5	19.6	58.4	11.8	1.7	0.0	60.4	58.3
United Arab Emirates	4042	67.7	11.3	12.6	66.1	7.7	1.0	1.3	68.8	66.5
United States	1162	64.8	9.7	15.9	63.0	8.6	0.7	2.1	63.5	66.0
Uzbekistan	628	54.5	14.8	16.9	53.7	13.0	1.1	0.5	56.9	52.0
International Avg. (40)	36857	62.9	11.5	15.8	61.6	9.0	1.2	0.9	62.7	63.1
Abu Dhabi, UAE	1034	57.5	14.6	17.4	56.4	9.7	0.9	1.0	59.9	55.2
Dubai, UAE	1180	78.3	7.4	9.2	76.4	4.7	0.9	1.4	77.5	79.0
Sharjah, UAE	935	69.5	10.4	12.4	67.5	6.8	1.2	1.7	74.1	64.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying
B_MD2_11 ME72139: Length of surfboard shadow - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	25.5	24.5	37.3	34.4	24.5	71.7	2.8	1.1	18.8	30.8
Austria	671	21.9	20.5	42.2	30.8	20.5	73.0	5.9	0.6	14.7	28.8
Azerbaijan	892	31.8	26.7	17.7	39.4	26.7	57.1	14.4	1.8	32.2	31.4
Bahrain	747	12.3	11.7	26.4	56.9	11.7	83.3	4.4	0.6	10.2	14.5
Brazil	3271	7.7	6.8	24.9	57.6	6.8	82.5	9.1	1.6	5.1	10.1
Chile	644	8.4	6.9	32.1	43.5	6.9	75.5	15.0	2.5	6.4	10.1
Chinese Taipei	1110	48.3	47.9	27.5	23.8	47.9	51.3	0.8	0.0	45.2	51.1
Cyprus	613	18.2	16.4	35.3	38.4	16.4	73.6	9.1	0.9	13.3	23.7
Czech Republic	1180	30.5	28.1	34.0	29.9	28.1	63.9	7.2	0.9	19.2	41.1
England	622	30.3	28.2	33.4	31.3	28.2	64.8	5.5	1.5	20.4	39.6
Finland	860	28.9	27.4	30.9	36.4	27.4	67.3	4.9	0.4	23.2	33.4
France	648	23.9	21.7	36.5	32.5	21.7	68.9	8.5	0.9	18.3	30.0
Georgia	710	23.3	20.7	30.0	37.9	20.7	67.9	10.3	1.1	16.9	28.4
Hong Kong SAR	650	50.2	48.7	22.6	25.8	48.7	48.4	2.3	0.7	45.6	53.9
Hungary	797	26.2	25.1	39.1	31.7	25.1	70.8	4.1	0.0	20.1	32.7
Ireland	734	26.6	25.7	40.6	30.3	25.7	71.0	3.2	0.1	17.5	34.6
Israel	755	24.1	22.1	31.8	37.7	22.1	69.5	5.7	2.7	19.3	28.7
Italy	670	18.2	16.7	40.3	34.6	16.7	74.9	7.8	0.6	14.6	21.9
Japan	770	52.2	50.4	27.0	19.0	50.4	46.1	3.1	0.5	44.4	59.6
Jordan	610	8.8	8.7	19.0	70.2	8.7	89.2	2.1	0.1	10.4	7.4
Kazakhstan	930	19.6	18.2	36.6	38.0	18.2	74.6	6.2	1.0	15.2	23.5
Korea, Rep. of	855	66.5	65.6	12.8	20.2	65.6	33.0	0.9	0.5	64.8	68.1
Lithuania	785	24.0	22.2	40.2	30.0	22.2	70.2	7.3	0.3	15.6	32.9
Malaysia	1255	7.8	7.7	37.9	52.8	7.7	90.7	0.8	0.9	6.2	9.5
Malta	578	15.1	13.9	37.5	40.4	13.9	77.9	7.5	0.7	10.2	19.8
Morocco	751	9.0	8.2	18.8	63.7	8.2	82.4	7.2	2.2	5.9	11.8
New Zealand	566	22.2	21.1	37.0	36.8	21.1	73.7	4.3	0.8	15.9	27.5
Norway (9)	903	27.8	24.3	30.7	32.4	24.3	63.2	9.9	2.6	20.6	33.4
Oman	715	8.6	8.3	19.5	67.8	8.3	87.3	3.1	1.3	8.6	8.7
Palestinian Nat'l Auth.	567	8.3	8.1	14.1	75.0	8.1	89.1	2.4	0.4	8.5	8.1
Portugal	794	18.8	17.3	39.0	35.7	17.3	74.7	7.6	0.5	19.0	18.6
Qatar	633	13.0	12.3	36.2	46.1	12.3	82.3	4.3	1.1	9.0	17.2
Romania	542	26.3	24.6	24.1	44.7	24.6	68.8	5.7	0.9	27.8	24.9
Saudi Arabia	513	6.7	6.6	27.1	64.4	6.6	91.5	0.2	1.7	7.6	6.0
Singapore	963	63.1	62.7	20.6	16.1	62.7	36.7	0.4	0.1	61.7	64.3
Sweden	746	27.0	24.0	34.9	30.1	24.0	65.0	8.4	2.7	17.4	36.4
Turkiye	703	31.9	29.7	25.0	38.5	29.7	63.4	6.9	0.0	26.2	38.3
United Arab Emirates	4039	27.5	26.5	29.9	39.7	26.5	69.6	2.4	1.6	23.4	31.5
United States	1161	18.9	18.1	33.7	44.0	18.1	77.7	1.7	2.5	11.8	25.6
Uzbekistan	627	18.5	17.7	31.6	46.2	17.7	77.8	3.8	0.6	14.3	22.9
International Avg. (40)	36821	24.5	23.0	30.4	40.1	23.0	70.5	5.4	1.0	20.1	28.5
Abu Dhabi, UAE	1034	19.6	18.7	28.0	48.7	18.7	76.6	3.5	1.1	16.1	23.1
Dubai, UAE	1180	37.3	35.8	33.2	26.9	35.8	60.1	2.2	1.9	29.7	44.3
Sharjah, UAE	934	27.8	26.7	31.0	38.5	26.7	69.5	2.0	1.8	26.6	29.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_MD2_12 ME72229: Distance on circular road around city center - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	70 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	15.0	12.2	2.7	2.2	73.2	12.2	2.7	75.4	8.4	1.3	15.6	14.7
Austria	670	16.1	11.0	4.2	5.9	60.3	11.0	4.2	66.2	17.7	0.9	15.4	16.9
Azerbaijan	890	7.1	4.4	0.9	3.2	60.1	4.4	0.9	63.3	28.0	3.3	7.2	7.0
Bahrain	749	3.3	1.9	2.3	8.8	78.0	1.9	2.3	86.7	7.9	1.2	3.7	2.9
Brazil	3277	0.7	0.6	0.0	0.7	82.9	0.6	0.0	83.6	13.7	2.1	0.4	1.0
Chile	645	2.0	1.3	0.4	1.1	68.6	1.3	0.4	69.8	23.9	4.7	1.6	2.4
Chinese Taipei	1109	26.3	21.6	8.1	1.3	66.5	21.6	8.1	67.8	2.5	0.0	23.5	29.0
Cyprus	616	8.5	4.6	4.9	4.3	69.1	4.6	4.9	73.4	15.9	1.1	7.3	9.9
Czech Republic	1179	17.5	12.3	4.4	6.5	59.6	12.3	4.4	66.1	16.1	1.1	14.1	20.5
England	622	11.9	9.1	1.3	3.3	68.0	9.1	1.3	71.3	16.0	2.4	8.7	14.8
Finland	859	10.8	8.7	1.4	1.2	75.8	8.7	1.4	77.1	12.2	0.7	9.5	11.7
France	648	5.1	3.1	2.3	1.5	76.3	3.1	2.3	77.8	15.8	1.1	4.1	6.1
Georgia	707	4.6	2.4	1.4	0.8	62.3	2.4	1.4	63.1	31.8	1.3	2.8	5.9
Hong Kong SAR	650	32.0	20.1	19.2	2.6	50.9	20.1	19.2	53.5	6.4	0.7	28.3	34.9
Hungary	798	10.2	8.0	2.5	3.3	76.9	8.0	2.5	80.2	9.1	0.2	8.4	12.0
Ireland	734	11.4	8.4	2.9	3.1	71.8	8.4	2.9	74.9	13.3	0.5	9.2	13.3
Israel	754	6.4	4.0	2.2	1.0	72.8	4.0	2.2	73.8	17.1	2.9	3.1	9.3
Italy	672	12.3	8.4	3.2	1.9	68.1	8.4	3.2	70.0	17.7	0.7	12.7	11.9
Japan	770	25.7	21.6	0.7	0.3	62.9	21.6	0.7	63.3	13.7	0.7	21.2	29.8
Jordan	610	1.7	1.2	0.9	4.7	89.0	1.2	0.9	93.7	4.1	0.1	2.1	1.4
Kazakhstan	928	7.7	6.1	0.7	2.2	74.8	6.1	0.7	77.0	14.7	1.6	9.2	6.4
Korea, Rep. of	855	31.0	27.9	2.3	1.5	62.0	27.9	2.3	63.5	5.8	0.5	26.0	35.5
Lithuania	784	16.0	11.9	2.4	3.1	64.7	11.9	2.4	67.8	17.4	0.5	14.2	17.7
Malaysia	1255	2.2	0.8	2.7	7.1	86.1	0.8	2.7	93.2	2.3	1.1	2.4	2.0
Malta	579	9.2	5.5	5.2	11.9	65.4	5.5	5.2	77.3	11.1	0.9	8.7	9.8
Morocco	752	1.2	0.0	2.0	0.8	82.1	0.0	2.0	82.9	11.7	3.4	1.2	1.2
New Zealand	566	8.7	6.9	1.9	0.6	81.0	6.9	1.9	81.6	8.6	1.0	6.7	10.3
Norway (9)	903	16.9	11.8	1.7	0.6	60.5	11.8	1.7	61.1	22.0	3.5	16.7	17.1
Oman	716	1.5	1.0	0.9	4.6	86.1	1.0	0.9	90.7	5.7	1.7	0.7	2.2
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.	.	.	.
Portugal	792	6.5	4.4	1.8	1.3	73.1	4.4	1.8	74.4	18.3	1.1	5.6	7.4
Qatar	632	5.1	3.4	2.1	4.7	78.1	3.4	2.1	82.8	9.9	1.7	4.9	5.3
Romania	542	8.1	6.4	2.0	4.4	78.3	6.4	2.0	82.7	7.8	1.0	6.8	9.4
Saudi Arabia	0	.	.	.	.	.	.	.	.	.	.	.	.
Singapore	963	40.0	34.4	9.2	3.0	51.0	34.4	9.2	54.0	2.1	0.2	35.7	43.7
Sweden	746	23.1	16.5	2.3	0.5	56.8	16.5	2.3	57.4	20.3	3.5	21.4	24.7
Turkiye	701	11.6	8.2	2.1	2.1	67.7	8.2	2.1	69.8	19.4	0.4	12.0	11.1
United Arab Emirates	4038	12.3	8.0	6.4	8.1	68.4	8.0	6.4	76.6	7.1	2.0	10.2	14.3
United States	1162	8.8	7.3	2.0	4.7	80.3	7.3	2.0	85.0	3.0	2.7	6.4	10.9
Uzbekistan	628	2.7	1.2	2.2	3.5	80.8	1.2	2.2	84.2	11.6	0.8	1.7	3.6
International Avg. (38)	35742	11.6	8.6	3.1	3.2	70.8	8.6	3.1	74.0	12.9	1.4	10.2	12.8
Abu Dhabi, UAE	1034	5.0	2.5	4.1	7.9	76.9	2.5	4.1	84.9	6.3	2.2	2.9	6.9
Dubai, UAE	1179	22.7	15.3	9.7	7.2	56.4	15.3	9.7	63.6	9.2	2.3	19.8	25.3
Sharjah, UAE	933	10.7	6.5	6.7	9.4	69.3	6.5	6.7	78.6	6.4	1.8	9.2	12.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD2_13 ME72171: Probability of spinner landing on W - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1238	55.2	49.8	3.1	43.0	53.0	43.0	2.3	1.7	52.4	57.5
Austria	665	28.7	10.8	14.0	61.6	24.8	61.6	12.6	1.0	20.6	36.5
Azerbaijan	891	41.6	31.1	3.3	48.3	34.4	48.3	13.5	3.7	38.2	44.5
Bahrain	748	22.1	16.1	4.7	73.3	20.8	73.3	4.3	1.6	24.5	19.6
Brazil	3278	13.2	5.0	6.9	78.2	11.9	78.2	7.2	2.7	10.9	15.5
Chile	645	22.0	7.3	11.3	66.1	18.6	66.1	9.9	5.3	17.8	25.4
Chinese Taipei	1110	75.8	58.6	16.6	24.0	75.2	24.0	0.8	0.0	75.4	76.2
Cyprus	616	38.7	29.1	5.5	54.9	34.6	54.9	9.1	1.5	35.3	42.0
Czech Republic	1177	36.7	20.2	11.4	54.4	31.6	54.4	12.6	1.4	26.5	45.6
England	622	56.1	48.2	3.7	40.6	51.9	40.6	4.9	2.6	50.3	61.5
Finland	858	48.2	25.7	19.9	48.9	45.5	48.9	4.8	0.8	40.7	54.0
France	647	46.6	34.1	8.8	49.2	42.9	49.2	6.7	1.2	40.2	53.2
Georgia	709	32.1	20.3	5.0	53.4	25.3	53.4	19.1	2.2	30.2	33.6
Hong Kong SAR	638	68.1	45.1	20.5	30.7	65.7	30.7	2.9	0.7	62.7	72.6
Hungary	797	30.1	20.1	7.4	63.8	27.5	63.8	8.4	0.3	22.9	37.3
Ireland	734	62.8	58.2	2.4	35.9	60.6	35.9	2.6	0.9	55.8	68.6
Israel	755	37.3	26.7	6.2	55.3	32.9	55.3	8.2	3.6	28.9	45.0
Italy	672	38.1	24.2	9.7	54.9	33.9	54.9	9.9	1.4	31.8	44.3
Japan	770	86.6	82.0	1.4	12.9	83.4	12.9	2.5	1.3	85.1	88.1
Jordan	609	14.1	6.3	7.2	81.9	13.5	81.9	4.2	0.4	15.1	13.2
Kazakhstan	931	21.4	13.4	5.5	69.7	19.0	69.7	9.3	2.1	20.2	22.5
Korea, Rep. of	855	72.0	52.6	17.5	27.2	70.1	27.2	2.2	0.5	68.4	75.4
Lithuania	783	39.8	24.4	11.3	54.0	35.7	54.0	9.7	0.6	33.4	46.0
Malaysia	1255	14.9	6.3	8.2	82.5	14.5	82.5	1.5	1.5	14.5	15.4
Malta	579	49.8	41.7	4.9	46.9	46.6	46.9	5.4	1.0	45.1	54.3
Morocco	752	10.3	2.9	5.8	75.1	8.7	75.1	12.8	3.4	9.7	10.9
New Zealand	565	48.5	37.9	8.2	48.8	46.0	48.8	3.9	1.3	43.1	53.0
Norway (9)	903	52.2	38.7	6.6	41.4	45.3	41.4	8.5	4.7	48.8	55.0
Oman	713	22.8	18.9	2.9	73.8	21.8	73.8	2.2	2.2	24.1	21.6
Palestinian Nat'l Auth.	565	14.5	10.4	3.5	82.1	13.9	82.1	3.2	0.8	15.7	13.4
Portugal	794	28.0	6.2	19.2	65.2	25.3	65.2	8.0	1.5	19.1	36.4
Qatar	633	29.0	21.9	5.1	66.4	27.1	66.4	3.6	3.0	21.9	36.3
Romania	542	35.0	24.4	7.9	60.0	32.4	60.0	6.2	1.4	32.5	37.4
Saudi Arabia	515	22.6	16.9	4.9	74.5	21.8	74.5	1.5	2.1	21.5	23.6
Singapore	963	77.8	71.0	5.9	21.9	76.9	21.9	0.5	0.7	77.0	78.6
Sweden	746	53.5	41.3	5.9	41.1	47.2	41.1	6.9	4.8	47.5	59.0
Turkiye	703	49.6	45.2	1.7	47.6	47.0	47.6	5.0	0.4	49.9	49.4
United Arab Emirates	4040	42.8	36.0	4.5	54.1	40.4	54.1	2.8	2.6	39.0	46.3
United States	1162	40.8	31.1	7.8	56.3	38.9	56.3	1.6	3.2	33.3	47.8
Uzbekistan	628	14.0	7.6	5.0	78.0	12.7	78.0	8.1	1.3	10.4	17.8
International Avg. (40)	36806	39.8	29.2	7.8	54.9	37.0	54.9	6.2	1.8	36.0	43.4
Abu Dhabi, UAE	1034	31.0	23.6	5.9	65.6	29.5	65.6	2.2	2.8	25.6	36.1
Dubai, UAE	1179	63.1	55.9	3.2	34.5	59.0	34.5	3.2	3.2	59.9	65.9
Sharjah, UAE	935	40.4	33.3	4.9	56.5	38.2	56.5	3.0	2.3	37.5	43.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Knowing

B_MD2_14A ME72211A: Selling prices of houses - mean - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1241	56.6	14.7	53.6	15.0	11.4	3.2	2.0	58.1	55.4
Austria	671	51.2	4.4	49.5	23.5	19.4	1.8	1.4	49.1	53.2
Azerbaijan	892	58.8	12.9	53.4	12.4	12.1	5.2	3.9	60.5	57.3
Bahrain	750	36.6	19.9	34.9	19.6	21.0	2.9	1.7	38.1	35.1
Brazil	3282	30.8	17.7	28.7	23.3	23.3	3.7	3.3	27.8	33.9
Chile	645	31.3	15.2	27.4	19.4	25.6	6.8	5.7	30.6	31.9
Chinese Taipei	1110	81.8	3.9	80.9	8.8	5.4	1.0	0.0	84.2	79.5
Cyprus	616	44.6	11.1	42.7	21.9	20.0	2.6	1.7	42.0	47.3
Czech Republic	1180	58.5	6.7	56.0	21.0	12.1	2.6	1.6	50.9	65.8
England	514	60.6	12.2	56.4	13.3	11.1	4.1	2.9	55.9	65.3
Finland	860	58.0	7.8	56.5	22.4	10.8	1.6	1.0	56.0	59.6
France	649	47.1	10.9	44.8	20.5	19.0	3.6	1.2	44.7	49.5
Georgia	711	49.2	15.0	46.2	21.2	11.5	3.3	2.7	47.1	51.0
Hong Kong SAR	650	79.8	5.3	78.6	10.4	4.1	0.8	0.7	84.4	76.2
Hungary	798	62.4	11.7	61.7	16.8	8.8	0.8	0.3	61.3	63.5
Ireland	734	43.1	27.2	40.8	16.0	10.5	4.5	1.0	39.4	46.4
Israel	754	51.6	19.6	48.7	15.0	11.2	1.6	4.0	51.3	51.9
Italy	672	50.2	7.9	48.4	21.4	18.7	1.7	1.8	46.8	53.8
Japan	322	80.6	2.8	77.3	10.2	5.6	1.4	2.6	78.4	82.5
Jordan	610	24.4	13.3	23.4	26.2	33.2	3.0	1.0	23.4	25.3
Kazakhstan	931	38.9	10.3	36.7	20.2	27.1	3.2	2.5	36.6	40.9
Korea, Rep. of	856	80.1	2.6	79.0	12.6	4.5	0.8	0.5	78.7	81.3
Lithuania	785	63.1	8.8	62.2	14.6	13.0	0.6	0.8	61.2	65.0
Malaysia	1255	29.0	34.6	28.3	17.0	17.5	0.8	1.7	29.5	28.5
Malta	464	46.7	25.8	45.5	14.0	12.0	1.6	1.1	47.4	46.2
Morocco	752	29.0	20.6	26.9	29.1	16.3	3.6	3.4	27.5	30.4
New Zealand	566	52.3	14.4	49.3	17.8	12.9	4.0	1.6	52.6	51.9
Norway (9)	903	60.6	6.2	55.0	19.6	9.9	4.0	5.3	59.7	61.4
Oman	678	42.9	16.9	40.6	18.4	18.7	2.9	2.6	47.7	38.5
Palestinian Nat'l Auth.	568	40.9	16.7	38.9	22.6	16.9	3.9	0.9	43.4	38.6
Portugal	794	42.6	9.4	41.1	21.7	24.4	1.7	1.8	40.1	45.0
Qatar	522	36.6	22.2	34.6	20.5	17.2	2.4	3.1	34.8	38.3
Romania	542	55.2	16.1	52.9	19.0	8.0	2.3	1.7	54.8	55.5
Saudi Arabia	515	34.5	18.8	32.9	21.0	22.8	1.9	2.5	35.7	33.4
Singapore	963	81.0	4.9	80.2	8.9	5.0	0.3	0.7	82.2	79.9
Sweden	746	59.3	6.8	54.3	15.9	14.6	3.3	5.1	58.2	60.4
Turkiye	703	57.2	11.0	55.1	16.6	13.7	3.3	0.4	54.7	60.0
United Arab Emirates	3483	50.3	16.7	46.8	14.5	15.0	3.4	3.6	49.3	51.3
United States	1162	35.5	18.6	33.2	20.4	21.2	2.8	3.8	31.9	39.0
Uzbekistan	628	39.9	13.8	37.3	24.9	17.5	5.1	1.5	36.1	44.0
International Avg. (40)	35477	50.8	13.4	48.5	18.2	15.1	2.7	2.1	49.8	51.8
Abu Dhabi, UAE	952	40.4	23.7	37.9	15.9	16.3	2.8	3.4	42.1	38.8
Dubai, UAE	937	66.3	10.7	60.7	11.9	8.3	3.7	4.8	63.5	68.7
Sharjah, UAE	795	50.7	17.1	47.4	14.4	14.5	3.1	3.5	49.3	52.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MD3_01A ME82214A: Fraction or decimal relating shaded to all square - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	56.4	53.8	41.7	53.8	41.7	3.6	0.9	54.6	57.7
Austria	670	42.8	36.9	49.2	36.9	49.2	13.4	0.5	42.4	43.2
Azerbaijan	899	46.1	35.4	41.4	35.4	41.4	21.6	1.6	44.9	47.2
Bahrain	743	30.5	28.2	64.2	28.2	64.2	6.5	1.1	32.7	28.3
Brazil	3272	19.4	16.0	66.6	16.0	66.6	16.4	0.9	18.3	20.5
Chile	646	40.8	33.9	49.2	33.9	49.2	15.4	1.5	40.7	41.0
Chinese Taipei	1111	69.6	68.0	29.8	68.0	29.8	2.2	0.0	72.4	67.1
Cyprus	617	49.3	44.9	46.3	44.9	46.3	8.6	0.1	49.1	49.4
Czech Republic	1177	53.5	49.4	42.9	49.4	42.9	7.6	0.1	45.2	61.3
England	599	61.7	55.7	34.5	55.7	34.5	9.7	0.2	55.9	67.5
Finland	867	65.4	62.1	32.8	62.1	32.8	4.6	0.5	65.8	65.0
France	649	56.0	52.2	41.1	52.2	41.1	6.5	0.1	56.1	55.8
Georgia	709	38.2	31.2	50.5	31.2	50.5	18.1	0.3	37.6	38.7
Hong Kong SAR	634	65.7	63.2	33.0	63.2	33.0	3.3	0.5	66.9	64.8
Hungary	791	43.7	40.4	52.1	40.4	52.1	7.5	0.0	38.1	48.8
Ireland	747	66.8	62.9	31.3	62.9	31.3	5.7	0.1	62.0	71.1
Israel	758	54.0	48.8	41.5	48.8	41.5	8.6	1.1	50.0	57.6
Italy	673	49.7	43.7	44.2	43.7	44.2	12.1	0.0	45.9	53.8
Japan	791	64.2	59.8	33.4	59.8	33.4	6.8	0.0	60.0	68.2
Jordan	608	22.6	21.8	74.3	21.8	74.3	3.9	0.0	24.4	21.1
Kazakhstan	925	26.7	23.0	63.1	23.0	63.1	13.4	0.5	26.7	26.7
Korea, Rep. of	853	76.1	73.8	23.2	73.8	23.2	2.5	0.4	74.9	77.2
Lithuania	787	58.0	54.7	39.5	54.7	39.5	5.8	0.0	57.2	58.9
Malaysia	1256	31.0	30.5	68.0	30.5	68.0	1.4	0.2	30.9	31.0
Malta	568	54.7	51.3	42.5	51.3	42.5	6.3	0.0	56.3	53.1
Morocco	748	12.3	9.6	68.4	9.6	68.4	21.4	0.5	13.7	11.2
New Zealand	577	44.8	41.6	51.3	41.6	51.3	6.6	0.6	40.8	48.3
Norway (9)	902	52.9	47.4	42.3	47.4	42.3	8.1	2.2	53.9	52.0
Oman	712	27.0	25.6	69.3	25.6	69.3	4.9	0.3	28.2	25.7
Palestinian Nat'l Auth.	556	22.7	21.2	72.3	21.2	72.3	6.5	0.0	26.2	19.2
Portugal	785	37.6	33.3	55.2	33.3	55.2	11.4	0.2	36.5	38.6
Qatar	627	40.8	38.2	55.5	38.2	55.5	6.1	0.2	41.5	40.1
Romania	523	34.8	30.3	56.7	30.3	56.7	13.0	0.1	34.0	35.6
Saudi Arabia	515	23.6	22.2	71.9	22.2	71.9	5.3	0.7	22.8	24.3
Singapore	970	76.8	76.3	23.1	76.3	23.1	0.6	0.0	76.1	77.5
Sweden	744	58.6	52.9	37.3	52.9	37.3	8.1	1.6	61.2	56.2
Turkiye	704	50.0	44.4	44.4	44.4	44.4	11.2	0.0	50.0	50.1
United Arab Emirates	4022	45.9	43.3	51.0	43.3	51.0	5.0	0.7	43.6	48.1
United States	1139	46.5	44.5	51.2	44.5	51.2	2.6	1.7	43.7	49.2
Uzbekistan	628	20.5	17.5	68.1	17.5	68.1	13.9	0.5	18.2	22.6
International Avg. (40)	36724	45.9	42.3	48.9	42.3	48.9	8.4	0.5	45.0	46.8
Abu Dhabi, UAE	1036	31.4	29.6	64.8	29.6	64.8	4.8	0.7	30.2	32.4
Dubai, UAE	1165	60.1	56.6	37.6	56.6	37.6	5.1	0.6	56.1	63.8
Sharjah, UAE	936	51.2	48.1	45.9	48.1	45.9	5.4	0.6	49.0	53.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MD3_01B ME82214B: How many more squares to show 7/10 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	68.3	63.5	29.5	63.5	29.5	5.9	1.1	64.7	71.0
Austria	0	.	.	.	.	.	.	.	.	.
Azerbaijan	899	34.2	26.0	50.2	26.0	50.2	21.0	2.8	30.3	37.4
Bahrain	745	25.5	22.5	65.7	22.5	65.7	10.2	1.6	24.6	26.4
Brazil	3276	18.2	14.6	65.2	14.6	65.2	18.6	1.6	14.8	21.6
Chile	646	32.8	24.6	50.5	24.6	50.5	23.0	1.9	26.9	38.5
Chinese Taipei	1111	73.1	71.0	26.1	71.0	26.1	2.9	0.0	74.2	72.1
Cyprus	618	55.2	48.6	39.3	48.6	39.3	11.6	0.5	55.5	55.0
Czech Republic	0	.	.	.	.	.	.	.	.	.
England	599	70.4	62.2	26.1	62.2	26.1	11.5	0.2	64.7	75.8
Finland	866	49.4	45.8	46.9	45.8	46.9	6.2	1.1	52.4	46.5
France	649	58.4	49.9	35.5	49.9	35.5	14.4	0.3	56.3	60.5
Georgia	0	.	.	.	.	.	.	.	.	.
Hong Kong SAR	637	30.9	29.8	66.7	29.8	66.7	3.0	0.5	31.1	30.7
Hungary	792	44.3	39.5	49.6	39.5	49.6	10.7	0.2	40.4	47.8
Ireland	747	72.1	67.1	26.0	67.1	26.0	6.8	0.1	74.0	70.4
Israel	758	45.3	39.2	47.3	39.2	47.3	11.7	1.8	39.5	50.5
Italy	673	45.1	36.4	44.3	36.4	44.3	19.3	0.0	39.1	51.4
Japan	791	74.3	66.4	22.9	66.4	22.9	10.7	0.0	70.4	78.1
Jordan	608	14.9	13.5	76.7	13.5	76.7	9.8	0.0	12.3	17.4
Kazakhstan	926	30.6	25.4	57.7	25.4	57.7	16.0	0.8	29.4	31.7
Korea, Rep. of	0	.	.	.	.	.	.	.	.	.
Lithuania	787	52.5	45.8	41.5	45.8	41.5	12.6	0.1	48.6	56.2
Malaysia	1256	19.9	19.3	77.6	19.3	77.6	2.9	0.2	17.9	22.1
Malta	568	59.6	53.5	36.2	53.5	36.2	10.1	0.2	54.4	64.4
Morocco	748	13.1	9.9	65.7	9.9	65.7	23.4	1.1	12.5	13.5
New Zealand	576	59.0	54.3	37.7	54.3	37.7	7.3	0.7	53.8	63.5
Norway (9)	902	57.0	49.7	37.5	49.7	37.5	10.3	2.5	62.4	52.9
Oman	712	19.4	17.5	72.3	17.5	72.3	9.8	0.4	16.3	22.6
Palestinian Nat'l Auth.	555	4.2	3.7	82.6	3.7	82.6	13.4	0.3	2.5	5.9
Portugal	0	.	.	.	.	.	.	.	.	.
Qatar	626	38.6	36.0	57.3	36.0	57.3	5.8	0.9	35.8	41.2
Romania	523	48.0	40.6	43.9	40.6	43.9	15.4	0.1	42.3	53.8
Saudi Arabia	515	17.2	15.6	75.0	15.6	75.0	8.4	0.9	17.0	17.4
Singapore	970	49.8	49.2	49.5	49.2	49.5	1.3	0.0	50.4	49.3
Sweden	744	71.3	63.4	25.5	63.4	25.5	9.1	2.0	71.0	71.6
Turkiye	0	.	.	.	.	.	.	.	.	.
United Arab Emirates	4022	43.6	40.3	52.1	40.3	52.1	6.4	1.2	39.6	47.4
United States	1138	51.9	49.8	46.1	49.8	46.1	1.7	2.3	47.4	56.4
Uzbekistan	627	16.3	12.8	66.0	12.8	66.0	19.9	1.3	14.8	17.7
International Avg. (34)	31832	43.1	38.4	49.8	38.4	49.8	10.9	0.8	40.8	45.3
Abu Dhabi, UAE	1036	33.9	31.6	61.7	31.6	61.7	5.7	1.0	29.6	38.1
Dubai, UAE	1164	62.7	57.7	34.3	57.7	34.3	6.9	1.1	56.9	67.9
Sharjah, UAE	936	40.8	37.8	54.7	37.8	54.7	6.3	1.2	40.8	40.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MD3_03A MQ82N01A: Number of tennis balls in the box - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	82.5	80.3	17.1	80.3	17.1	1.5	1.1	87.6	78.5
Austria	669	86.6	85.0	13.2	85.0	13.2	1.3	0.6	87.8	85.4
Azerbaijan	899	67.0	55.6	27.3	55.6	27.3	14.3	2.8	69.0	65.4
Bahrain	745	60.3	57.5	37.8	57.5	37.8	3.0	1.7	64.4	56.2
Brazil	3276	64.1	60.2	33.6	60.2	33.6	3.8	2.4	64.6	63.6
Chile	646	78.2	71.0	19.8	71.0	19.8	7.0	2.2	79.8	76.3
Chinese Taipei	1111	92.2	91.3	7.7	91.3	7.7	1.0	0.0	93.4	91.2
Cyprus	618	75.4	71.4	23.3	71.4	23.3	4.8	0.5	82.2	69.4
Czech Republic	1177	91.3	89.6	8.6	89.6	8.6	1.7	0.1	91.4	91.2
England	599	86.4	84.5	13.3	84.5	13.3	2.0	0.2	89.1	83.5
Finland	867	85.0	82.0	14.5	82.0	14.5	2.1	1.4	87.3	82.7
France	649	88.3	85.6	11.3	85.6	11.3	2.8	0.3	88.0	88.7
Georgia	709	71.1	61.9	25.2	61.9	25.2	11.8	1.1	71.3	70.9
Hong Kong SAR	638	84.2	82.7	15.5	82.7	15.5	1.3	0.5	87.4	81.6
Hungary	792	84.5	84.0	15.5	84.0	15.5	0.3	0.2	84.3	84.6
Ireland	747	91.5	90.6	8.4	90.6	8.4	1.0	0.1	93.0	90.2
Israel	759	80.2	76.2	18.8	76.2	18.8	3.2	1.8	82.5	78.0
Italy	672	86.0	84.8	13.8	84.8	13.8	1.4	0.0	85.8	86.3
Japan	791	90.2	89.9	9.8	89.9	9.8	0.2	0.1	90.7	89.7
Jordan	608	50.7	49.3	47.9	49.3	47.9	2.7	0.1	54.8	46.9
Kazakhstan	926	73.0	69.3	25.7	69.3	25.7	4.1	0.9	72.3	73.6
Korea, Rep. of	853	87.8	86.4	12.0	86.4	12.0	1.0	0.6	90.6	85.2
Lithuania	787	90.0	88.5	9.9	88.5	9.9	1.5	0.1	92.3	87.5
Malaysia	1256	71.5	70.7	28.3	70.7	28.3	0.7	0.3	73.1	69.6
Malta	568	80.4	77.8	19.0	77.8	19.0	3.1	0.2	81.5	79.3
Morocco	748	44.5	40.6	50.6	40.6	50.6	6.9	1.8	42.7	46.0
New Zealand	577	85.5	83.7	14.2	83.7	14.2	1.4	0.7	81.1	89.4
Norway (9)	902	81.6	75.6	17.0	75.6	17.0	4.8	2.7	85.0	79.0
Oman	711	54.2	52.0	43.9	52.0	43.9	3.2	0.9	61.3	47.3
Palestinian Nat'l Auth.	556	45.0	42.8	52.4	42.8	52.4	4.5	0.3	47.0	42.9
Portugal	788	82.8	80.6	16.7	80.6	16.7	1.9	0.8	81.6	83.9
Qatar	628	66.8	64.2	31.9	64.2	31.9	3.0	0.9	74.0	60.1
Romania	523	69.3	66.9	29.7	66.9	29.7	3.3	0.1	71.2	67.2
Saudi Arabia	515	51.5	50.3	47.3	50.3	47.3	1.5	0.9	51.8	51.3
Singapore	970	88.3	87.9	11.6	87.9	11.6	0.5	0.0	86.7	89.7
Sweden	743	82.7	76.7	16.1	76.7	16.1	5.0	2.1	84.3	81.0
Turkiye	704	80.0	76.8	19.2	76.8	19.2	3.9	0.1	81.0	78.9
United Arab Emirates	4025	67.3	64.6	31.3	64.6	31.3	2.8	1.4	68.6	66.2
United States	1139	77.9	75.4	21.4	75.4	21.4	0.9	2.3	79.0	76.8
Uzbekistan	628	65.4	60.3	31.8	60.3	31.8	6.4	1.4	64.8	66.1
International Avg. (40)	36741	76.0	73.1	22.8	73.1	22.8	3.2	0.9	77.6	74.5
Abu Dhabi, UAE	1037	61.1	58.7	37.4	58.7	37.4	2.9	1.0	62.6	59.6
Dubai, UAE	1165	80.1	77.0	19.1	77.0	19.1	2.4	1.5	81.6	78.8
Sharjah, UAE	936	66.2	63.2	32.3	63.2	32.3	3.1	1.4	64.4	67.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_MD3_03B MQ82N01B: Dimensions of box that fits 6 containers - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1221	25.6	23.5	68.2	23.5	68.2	7.1	1.2	22.2	28.3
Austria	670	32.5	29.3	60.9	29.3	60.9	9.2	0.6	31.2	33.8
Azerbaijan	899	7.4	4.6	58.4	4.6	58.4	34.0	3.0	5.3	9.1
Bahrain	745	4.8	4.4	85.9	4.4	85.9	7.8	1.9	5.8	3.9
Brazil	3276	4.1	3.4	81.3	3.4	81.3	12.3	2.9	3.0	5.1
Chile	646	11.3	8.8	69.1	8.8	69.1	19.4	2.7	8.2	14.6
Chinese Taipei	1111	45.3	43.9	53.1	43.9	53.1	3.0	0.0	43.6	46.8
Cyprus	618	12.0	9.7	71.3	9.7	71.3	18.4	0.6	9.5	14.2
Czech Republic	1177	33.4	29.9	59.6	29.9	59.6	10.4	0.1	27.1	39.1
England	599	19.6	16.4	67.4	16.4	67.4	16.1	0.2	16.6	22.6
Finland	866	29.3	25.8	62.4	25.8	62.4	10.4	1.4	28.1	30.4
France	649	22.8	19.5	66.1	19.5	66.1	14.1	0.3	20.7	24.9
Georgia	707	10.2	6.9	60.3	6.9	60.3	31.6	1.2	9.2	11.0
Hong Kong SAR	638	35.4	33.0	60.2	33.0	60.2	6.2	0.5	31.0	39.0
Hungary	792	22.2	20.9	73.1	20.9	73.1	5.7	0.3	20.8	23.5
Ireland	747	22.3	19.7	68.4	19.7	68.4	11.5	0.4	16.8	27.1
Israel	759	15.8	13.0	69.3	13.0	69.3	15.3	2.4	11.5	19.6
Italy	672	26.5	23.0	63.9	23.0	63.9	13.0	0.1	25.0	28.1
Japan	791	47.5	43.8	48.5	43.8	48.5	7.6	0.1	43.0	51.8
Jordan	608	1.4	1.3	92.4	1.3	92.4	5.7	0.6	0.7	2.0
Kazakhstan	926	15.1	13.2	74.1	13.2	74.1	11.6	1.2	13.6	16.5
Korea, Rep. of	854	43.7	41.6	53.5	41.6	53.5	4.4	0.6	40.6	46.7
Lithuania	787	28.3	25.7	65.1	25.7	65.1	9.2	0.1	26.4	30.2
Malaysia	1256	6.5	6.3	91.1	6.3	91.1	1.9	0.7	5.4	7.6
Malta	568	9.8	8.6	78.8	8.6	78.8	12.5	0.2	10.5	9.2
Morocco	748	3.9	2.9	69.7	2.9	69.7	25.0	2.4	3.9	4.0
New Zealand	576	19.3	17.5	73.1	17.5	73.1	8.7	0.7	16.6	21.7
Norway (9)	902	28.2	22.6	57.7	22.6	57.7	16.3	3.4	27.6	28.6
Oman	712	2.4	2.2	87.3	2.2	87.3	9.5	1.0	2.0	2.9
Palestinian Nat'l Auth.	556	2.1	1.9	86.5	1.9	86.5	11.1	0.5	1.7	2.6
Portugal	788	14.5	12.6	74.0	12.6	74.0	12.5	1.0	12.8	16.0
Qatar	628	10.8	9.8	80.7	9.8	80.7	8.0	1.5	9.3	12.2
Romania	523	15.3	12.7	70.7	12.7	70.7	16.2	0.4	12.8	17.9
Saudi Arabia	515	2.1	1.9	90.2	1.9	90.2	7.0	0.9	2.7	1.6
Singapore	970	44.6	43.6	54.3	43.6	54.3	2.0	0.1	42.0	46.9
Sweden	744	27.0	21.8	58.9	21.8	58.9	16.8	2.5	23.9	29.9
Turkiye	704	17.5	15.2	71.8	15.2	71.8	12.9	0.1	13.6	21.7
United Arab Emirates	4025	12.1	11.0	79.8	11.0	79.8	7.1	2.1	10.1	13.9
United States	1139	13.3	12.6	82.4	12.6	82.4	2.4	2.6	10.8	15.7
Uzbekistan	628	6.6	5.5	77.6	5.5	77.6	14.7	2.2	3.2	9.6
International Avg. (40)	36740	18.8	16.8	70.4	16.8	70.4	11.7	1.1	16.7	20.8
Abu Dhabi, UAE	1037	6.6	5.9	84.5	5.9	84.5	7.4	2.1	5.1	8.0
Dubai, UAE	1165	20.4	18.5	71.9	18.5	71.9	7.6	2.0	18.1	22.5
Sharjah, UAE	936	10.5	9.5	81.1	9.5	81.1	7.3	2.1	9.0	11.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Reasoning

B_MD3_04 MQ82N02: Greatest number of containers that fit in box - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	32.7	31.5	64.7	31.5	64.7	2.5	1.3	31.9	33.3
Austria	670	34.4	33.5	63.7	33.5	63.7	2.2	0.6	33.5	35.4
Azerbaijan	899	24.2	20.4	63.8	20.4	63.8	12.2	3.6	21.1	26.8
Bahrain	744	11.1	10.6	85.0	10.6	85.0	2.3	2.0	7.8	14.4
Brazil	3275	6.8	6.3	85.7	6.3	85.7	5.0	3.1	6.1	7.5
Chile	646	12.2	10.9	78.4	10.9	78.4	7.9	2.8	9.8	14.7
Chinese Taipei	1111	64.3	63.8	35.3	63.8	35.3	0.9	0.0	64.9	63.9
Cyprus	618	23.4	21.4	70.2	21.4	70.2	7.5	0.9	21.1	25.5
Czech Republic	1177	43.1	41.6	55.0	41.6	55.0	3.2	0.2	36.2	49.5
England	599	31.8	30.2	64.9	30.2	64.9	4.8	0.2	29.2	34.5
Finland	867	34.1	32.8	63.4	32.8	63.4	2.1	1.6	34.3	34.0
France	648	25.7	24.5	70.8	24.5	70.8	4.4	0.3	22.2	29.2
Georgia	707	20.0	17.8	71.3	17.8	71.3	8.8	2.0	18.1	21.5
Hong Kong SAR	638	50.3	48.7	48.2	48.7	48.2	2.5	0.6	44.5	55.0
Hungary	792	29.0	28.1	68.8	28.1	68.8	2.7	0.4	26.2	31.7
Ireland	747	35.1	33.8	62.4	33.8	62.4	3.3	0.4	27.3	42.2
Israel	758	24.3	22.2	69.3	22.2	69.3	5.9	2.5	20.0	28.2
Italy	673	33.7	32.8	64.5	32.8	64.5	2.4	0.3	33.3	34.2
Japan	791	64.2	63.1	35.1	63.1	35.1	1.5	0.4	63.8	64.7
Jordan	607	4.5	4.5	93.6	4.5	93.6	1.3	0.6	5.0	4.1
Kazakhstan	925	25.0	23.9	71.8	23.9	71.8	3.0	1.2	21.7	28.2
Korea, Rep. of	854	64.5	63.7	35.1	63.7	35.1	0.5	0.7	61.7	67.2
Lithuania	787	42.3	40.9	55.9	40.9	55.9	3.1	0.1	39.1	45.6
Malaysia	1256	13.7	13.5	85.0	13.5	85.0	0.7	0.9	12.9	14.6
Malta	568	19.8	18.4	74.8	18.4	74.8	6.5	0.4	17.5	21.9
Morocco	747	7.9	7.1	83.0	7.1	83.0	7.6	2.4	6.4	9.1
New Zealand	577	26.6	25.5	70.6	25.5	70.6	2.7	1.2	19.6	32.7
Norway (9)	902	36.8	32.9	56.6	32.9	56.6	6.8	3.7	36.4	37.1
Oman	712	4.9	4.7	90.1	4.7	90.1	4.0	1.3	3.8	6.0
Palestinian Nat'l Auth.	555	4.8	4.6	92.0	4.6	92.0	2.6	0.9	4.6	5.0
Portugal	788	24.0	22.7	71.9	22.7	71.9	4.3	1.2	19.3	28.0
Qatar	628	12.9	12.2	82.5	12.2	82.5	3.2	2.1	9.7	15.8
Romania	523	21.4	20.5	75.3	20.5	75.3	3.6	0.6	19.9	23.0
Saudi Arabia	515	3.8	3.7	93.1	3.7	93.1	2.4	0.9	3.0	4.5
Singapore	970	54.4	54.0	45.3	54.0	45.3	0.4	0.3	53.4	55.2
Sweden	744	35.1	31.8	58.8	31.8	58.8	6.3	3.1	35.9	34.3
Turkiye	704	32.3	30.8	64.6	30.8	64.6	4.5	0.1	30.9	33.8
United Arab Emirates	4023	17.1	16.1	77.9	16.1	77.9	3.7	2.4	14.1	20.0
United States	1139	22.1	21.3	74.7	21.3	74.7	1.0	3.0	18.1	26.1
Uzbekistan	628	18.0	17.1	77.8	17.1	77.8	2.6	2.5	13.1	22.9
International Avg. (40)	36734	27.3	26.1	68.8	26.1	68.8	3.8	1.3	24.9	29.5
Abu Dhabi, UAE	1036	11.9	11.4	84.3	11.4	84.3	2.0	2.3	9.2	14.5
Dubai, UAE	1165	28.2	26.2	66.8	26.2	66.8	4.5	2.5	27.0	29.3
Sharjah, UAE	936	12.9	12.0	80.9	12.0	80.9	4.8	2.3	6.4	18.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD3_05 MQ82N03: Number of boxes needed to ship 50,000 balls - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1221	28.1	26.3	67.3	26.3	67.3	4.5	1.9	27.7	28.5
Austria	670	29.9	27.9	65.3	27.9	65.3	6.2	0.6	27.6	32.1
Azerbaijan	899	10.2	8.0	71.0	8.0	71.0	17.0	4.0	10.7	9.7
Bahrain	745	7.8	7.2	84.5	7.2	84.5	6.0	2.3	7.5	8.2
Brazil	3275	3.6	3.1	82.6	3.1	82.6	10.4	4.0	2.5	4.8
Chile	646	6.3	5.2	76.8	5.2	76.8	14.8	3.2	4.4	8.3
Chinese Taipei	1111	60.9	60.2	38.7	60.2	38.7	1.0	0.1	62.4	59.6
Cyprus	616	20.5	17.9	69.4	17.9	69.4	11.6	1.1	17.3	23.2
Czech Republic	1177	34.2	31.1	59.8	31.1	59.8	8.7	0.5	29.8	38.2
England	599	33.6	30.8	61.0	30.8	61.0	8.0	0.2	28.6	38.5
Finland	866	23.7	21.7	69.9	21.7	69.9	6.7	1.7	24.2	23.2
France	648	20.3	17.5	68.6	17.5	68.6	13.0	0.8	17.9	22.6
Georgia	708	13.2	10.4	68.0	10.4	68.0	19.5	2.2	14.0	12.6
Hong Kong SAR	637	59.5	57.3	38.9	57.3	38.9	3.2	0.6	58.2	60.7
Hungary	792	19.9	18.8	75.7	18.8	75.7	5.2	0.4	19.0	20.7
Ireland	747	35.0	32.7	60.9	32.7	60.9	5.9	0.4	29.7	39.7
Israel	759	14.2	12.3	74.7	12.3	74.7	9.9	3.0	10.7	17.2
Italy	673	19.5	16.8	69.4	16.8	69.4	13.4	0.3	18.9	20.1
Japan	791	41.5	38.7	54.5	38.7	54.5	6.3	0.5	37.1	45.7
Jordan	608	3.2	3.0	91.7	3.0	91.7	4.2	1.1	1.4	4.8
Kazakhstan	926	14.7	13.2	76.6	13.2	76.6	8.5	1.7	14.0	15.3
Korea, Rep. of	854	41.5	40.0	56.3	40.0	56.3	3.0	0.7	39.4	43.4
Lithuania	787	32.8	30.2	61.9	30.2	61.9	7.8	0.1	28.5	37.1
Malaysia	1256	9.3	9.0	88.5	9.0	88.5	1.5	1.0	9.0	9.5
Malta	567	28.7	26.6	66.0	26.6	66.0	7.0	0.4	23.4	33.5
Morocco	748	3.5	3.0	84.3	3.0	84.3	9.3	3.3	5.2	2.1
New Zealand	576	16.9	15.9	78.4	15.9	78.4	4.0	1.6	18.0	15.9
Norway (9)	901	22.1	18.6	65.6	18.6	65.6	11.2	4.5	24.1	20.5
Oman	712	4.0	3.7	89.3	3.7	89.3	5.6	1.4	3.5	4.4
Palestinian Nat'l Auth.	556	2.4	2.3	90.9	2.3	90.9	5.8	1.0	2.9	2.0
Portugal	788	15.3	13.6	75.3	13.6	75.3	9.9	1.2	12.3	17.8
Qatar	628	13.6	12.6	80.2	12.6	80.2	5.1	2.1	10.1	16.8
Romania	523	19.6	18.0	73.8	18.0	73.8	7.4	0.8	18.4	20.8
Saudi Arabia	515	2.3	2.2	93.2	2.2	93.2	3.1	1.5	1.7	2.9
Singapore	970	61.0	60.2	38.5	60.2	38.5	0.9	0.4	59.2	62.6
Sweden	744	33.1	27.2	55.2	27.2	55.2	13.7	3.9	33.4	32.7
Turkiye	704	23.7	20.3	65.5	20.3	65.5	14.1	0.1	20.1	27.2
United Arab Emirates	4024	19.6	18.0	73.9	18.0	73.9	4.9	3.2	17.2	21.8
United States	1139	26.5	24.9	69.3	24.9	69.3	2.6	3.2	24.5	28.4
Uzbekistan	628	7.3	6.6	83.2	6.6	83.2	7.3	3.0	5.6	9.0
International Avg. (40)	36734	22.1	20.3	70.4	20.3	70.4	7.7	1.6	20.5	23.6
Abu Dhabi, UAE	1037	12.8	11.9	81.7	11.9	81.7	3.8	2.6	9.4	15.8
Dubai, UAE	1165	33.5	30.2	60.0	30.2	60.0	5.8	4.0	31.5	35.3
Sharjah, UAE	936	14.8	13.6	78.0	13.6	78.0	5.3	3.1	12.7	16.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

B_MD3_06 MQ82N04: Length that fits perfectly around container - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1221	19.4	17.2	71.4	17.2	71.4	9.1	2.3	21.3	18.0
Austria	669	24.5	20.5	63.1	20.5	63.1	15.5	0.8	27.2	22.0
Azerbaijan	898	12.4	7.9	56.3	7.9	56.3	31.3	4.5	12.2	12.5
Bahrain	743	9.9	8.8	80.3	8.8	80.3	7.8	3.0	13.0	6.8
Brazil	3272	3.4	2.7	76.4	2.7	76.4	15.2	5.7	3.2	3.6
Chile	646	7.2	4.9	63.8	4.9	63.8	27.1	4.2	6.2	8.3
Chinese Taipei	1111	27.6	26.3	69.0	26.3	69.0	4.5	0.1	26.8	28.3
Cyprus	618	16.2	12.6	65.2	12.6	65.2	20.7	1.5	17.5	15.2
Czech Republic	1176	23.5	19.4	63.0	19.4	63.0	16.6	1.0	22.2	24.7
England	599	22.5	17.4	59.9	17.4	59.9	22.6	0.2	22.4	22.7
Finland	866	16.7	14.0	69.8	14.0	69.8	14.2	1.9	17.6	15.9
France	648	14.1	10.3	62.8	10.3	62.8	25.7	1.1	13.9	14.3
Georgia	708	6.5	4.2	61.3	4.2	61.3	30.4	4.1	7.4	5.6
Hong Kong SAR	638	36.2	33.5	58.9	33.5	58.9	6.8	0.7	35.8	36.6
Hungary	792	16.4	14.6	74.1	14.6	74.1	10.8	0.5	16.1	16.7
Ireland	746	20.5	16.4	63.6	16.4	63.6	19.4	0.6	18.7	22.2
Israel	759	11.7	9.3	69.9	9.3	69.9	17.0	3.8	11.0	12.4
Italy	673	22.1	17.7	62.2	17.7	62.2	18.9	1.3	22.3	21.9
Japan	790	38.0	32.1	52.4	32.1	52.4	14.6	0.9	36.4	39.6
Jordan	608	3.5	3.2	89.3	3.2	89.3	5.5	2.0	2.3	4.6
Kazakhstan	925	9.9	8.2	74.9	8.2	74.9	14.5	2.4	9.8	10.0
Korea, Rep. of	853	34.6	32.0	60.3	32.0	60.3	7.0	0.7	34.6	34.6
Lithuania	787	25.8	21.4	61.5	21.4	61.5	16.9	0.2	30.5	21.3
Malaysia	1256	8.7	8.3	87.2	8.3	87.2	3.0	1.5	9.5	7.9
Malta	568	18.9	16.2	69.1	16.2	69.1	14.1	0.7	17.8	20.0
Morocco	747	7.3	6.2	78.3	6.2	78.3	11.7	3.7	9.7	5.5
New Zealand	576	13.7	11.8	74.8	11.8	74.8	11.7	1.7	10.9	16.0
Norway (9)	901	21.4	15.5	57.2	15.5	57.2	21.8	5.5	24.5	18.9
Oman	711	7.5	6.7	82.6	6.7	82.6	8.7	1.9	6.8	8.1
Palestinian Nat'l Auth.	554	4.2	3.9	88.3	3.9	88.3	6.4	1.5	5.0	3.4
Portugal	787	9.7	7.4	69.1	7.4	69.1	21.9	1.6	8.7	10.6
Qatar	627	7.4	6.3	78.8	6.3	78.8	11.7	3.2	7.6	7.2
Romania	523	12.3	10.0	71.5	10.0	71.5	17.0	1.5	14.0	10.6
Saudi Arabia	513	9.4	8.7	84.2	8.7	84.2	5.3	1.8	11.1	7.8
Singapore	970	48.2	46.9	50.3	46.9	50.3	2.2	0.5	48.5	48.0
Sweden	741	23.2	16.6	55.1	16.6	55.1	23.0	5.3	24.7	21.7
Turkiye	704	18.8	15.2	65.7	15.2	65.7	18.9	0.3	20.3	17.2
United Arab Emirates	4022	20.1	17.4	69.3	17.4	69.3	9.1	4.2	20.2	20.0
United States	1138	15.1	13.8	77.6	13.8	77.6	4.3	4.2	14.3	16.0
Uzbekistan	627	7.0	5.9	77.5	5.9	77.5	12.8	3.8	8.7	5.4
International Avg. (40)	36711	16.9	14.3	69.1	14.3	69.1	14.4	2.2	17.3	16.6
Abu Dhabi, UAE	1036	12.7	11.5	78.4	11.5	78.4	6.6	3.5	11.5	13.9
Dubai, UAE	1165	31.0	25.6	57.1	25.6	57.1	12.6	4.6	32.4	29.6
Sharjah, UAE	935	17.5	15.2	71.5	15.2	71.5	8.7	4.5	16.7	18.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MD3_07 MQ82N07: Total length of new box for alternative method - CR - 1 Point

COUNTRY	N	DIFF %	1 %	7 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	39.3	35.8	4.7	50.5	35.8	55.2	5.9	3.1	39.9	39.0
Austria	670	48.9	44.2	3.1	43.1	44.2	46.2	8.8	0.9	47.0	50.8
Azerbaijan	899	12.3	8.7	0.5	61.6	8.7	62.1	24.2	5.0	10.7	13.5
Bahrain	743	10.8	9.4	2.2	75.9	9.4	78.1	8.9	3.6	7.7	13.6
Brazil	3272	5.3	4.4	1.6	77.7	4.4	79.3	9.0	7.3	4.4	6.1
Chile	646	12.9	9.9	2.7	64.2	9.9	66.9	17.6	5.5	11.0	14.8
Chinese Taipei	1111	44.1	43.2	1.3	53.5	43.2	54.7	2.0	0.1	45.6	42.7
Cyprus	617	23.5	19.0	1.6	60.5	19.0	62.0	16.6	2.3	21.0	25.7
Czech Republic	1176	48.1	40.8	1.7	42.4	40.8	44.1	13.9	1.2	43.2	52.3
England	599	43.2	37.3	2.9	46.2	37.3	49.1	13.1	0.5	43.0	43.4
Finland	867	47.4	41.3	2.0	43.9	41.3	45.9	10.4	2.4	50.4	44.7
France	649	38.7	32.4	1.9	49.5	32.4	51.4	14.1	2.1	38.7	38.7
Georgia	708	12.8	9.2	0.8	61.8	9.2	62.6	23.6	4.6	13.8	12.0
Hong Kong SAR	637	48.4	44.8	3.0	44.7	44.8	47.7	6.4	1.0	44.7	51.4
Hungary	792	39.6	37.0	2.5	54.0	37.0	56.5	5.7	0.8	36.6	42.1
Ireland	747	46.8	42.1	3.3	44.6	42.1	47.9	9.3	0.8	41.6	51.5
Israel	759	22.8	18.9	2.0	61.9	18.9	64.0	12.1	5.0	18.2	26.7
Italy	673	33.6	27.7	1.8	52.9	27.7	54.7	14.8	2.9	31.3	36.0
Japan	791	65.7	61.5	2.9	29.2	61.5	32.1	5.4	1.0	65.5	65.9
Jordan	608	5.3	4.9	2.3	85.0	4.9	87.3	4.3	3.5	3.6	6.8
Kazakhstan	925	18.9	16.1	1.8	67.2	16.1	69.1	11.3	3.5	15.9	21.8
Korea, Rep. of	853	62.2	59.6	4.8	31.4	59.6	36.2	3.5	0.8	61.1	63.3
Lithuania	787	51.3	45.4	1.7	41.3	45.4	43.1	10.8	0.7	48.7	53.9
Malaysia	1255	13.0	12.4	3.3	79.8	12.4	83.2	2.6	1.8	13.6	12.3
Malta	567	33.0	28.9	2.1	56.5	28.9	58.6	11.5	1.0	30.7	35.0
Morocco	747	3.8	3.2	5.4	76.5	3.2	81.8	10.9	4.0	4.5	3.2
New Zealand	576	34.9	32.0	3.5	56.1	32.0	59.6	6.4	2.0	27.2	41.5
Norway (9)	901	40.0	30.6	1.0	45.0	30.6	46.0	16.9	6.4	39.4	40.4
Oman	711	6.6	5.9	1.5	81.5	5.9	83.0	8.4	2.7	5.2	7.9
Palestinian Nat'l Auth.	553	3.5	3.2	1.8	85.3	3.2	87.1	7.7	2.0	3.4	3.6
Portugal	788	28.7	23.8	2.2	57.0	23.8	59.2	14.5	2.5	27.0	30.0
Qatar	628	17.8	15.5	1.5	70.4	15.5	71.9	8.6	3.9	15.0	20.3
Romania	523	20.5	18.0	2.6	67.2	18.0	69.8	9.7	2.4	17.2	24.0
Saudi Arabia	513	4.9	4.5	2.1	84.6	4.5	86.8	5.9	2.8	4.9	4.9
Singapore	970	60.0	58.6	1.0	38.1	58.6	39.1	1.7	0.5	56.8	62.8
Sweden	744	47.1	35.4	1.8	37.9	35.4	39.7	17.9	7.0	50.1	44.5
Turkiye	704	26.3	22.4	2.3	60.6	22.4	62.9	14.0	0.7	25.7	26.9
United Arab Emirates	4024	23.8	20.7	2.8	63.5	20.7	66.2	7.2	5.8	21.0	26.4
United States	1138	26.1	24.1	4.0	64.2	24.1	68.2	2.9	4.8	24.2	27.9
Uzbekistan	628	12.3	10.8	4.8	72.0	10.8	76.8	7.3	5.1	9.8	14.6
International Avg. (40)	36721	29.6	26.1	2.4	58.5	26.1	60.9	10.2	2.9	28.0	31.1
Abu Dhabi, UAE	1037	16.0	14.2	2.6	72.1	14.2	74.7	6.3	4.9	15.0	16.9
Dubai, UAE	1164	39.1	33.0	2.9	48.6	33.0	51.5	8.8	6.6	34.4	43.3
Sharjah, UAE	936	20.0	17.2	3.1	65.7	17.2	68.8	7.9	6.1	17.8	22.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Reasoning

B_MD3_08A MQ82N08A: Determine width of box for alternative method - y - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1221	17.9	14.5	66.6	14.5	66.6	15.8	3.2	18.2	17.7
Austria	668	17.7	13.6	63.1	13.6	63.1	22.3	1.0	16.0	19.5
Azerbaijan	898	12.9	7.5	50.7	7.5	50.7	36.4	5.5	14.1	11.8
Bahrain	744	9.5	8.0	75.4	8.0	75.4	12.1	4.5	10.7	8.4
Brazil	3274	6.0	4.4	69.2	4.4	69.2	18.2	8.1	5.8	6.2
Chile	646	10.9	7.0	57.5	7.0	57.5	29.5	6.1	9.2	12.6
Chinese Taipei	1109	43.9	41.3	52.8	41.3	52.8	5.8	0.2	45.0	42.9
Cyprus	617	31.4	23.6	51.5	23.6	51.5	22.3	2.7	36.6	27.0
Czech Republic	1177	26.5	18.1	50.0	18.1	50.0	30.2	1.7	25.3	27.5
England	598	18.0	11.9	54.3	11.9	54.3	33.1	0.6	15.9	19.8
Finland	867	19.2	14.6	61.5	14.6	61.5	21.0	2.9	19.5	18.9
France	648	17.7	11.7	54.4	11.7	54.4	31.0	2.9	13.8	21.4
Georgia	707	15.2	8.8	48.8	8.8	48.8	36.8	5.7	16.8	14.1
Hong Kong SAR	638	55.6	51.2	40.8	51.2	40.8	6.9	1.0	55.8	55.5
Hungary	792	23.2	20.1	66.6	20.1	66.6	12.3	0.9	22.6	23.7
Ireland	746	12.5	8.6	60.0	8.6	60.0	30.6	0.8	12.3	12.7
Israel	759	18.2	12.9	58.0	12.9	58.0	23.9	5.2	16.3	19.8
Italy	673	31.0	21.2	47.0	21.2	47.0	28.3	3.5	33.1	28.8
Japan	0	.	.	.	.	.	.	.	.	.
Jordan	608	6.0	5.3	82.6	5.3	82.6	8.4	3.7	5.5	6.5
Kazakhstan	926	16.0	11.9	62.6	11.9	62.6	20.3	5.1	16.4	15.7
Korea, Rep. of	851	28.2	24.2	61.6	24.2	61.6	13.4	0.8	27.7	28.7
Lithuania	787	33.7	25.3	49.8	25.3	49.8	24.3	0.7	32.3	35.0
Malaysia	1256	12.1	11.2	81.4	11.2	81.4	4.1	3.2	13.6	10.5
Malta	568	18.5	14.8	65.3	14.8	65.3	18.6	1.4	16.8	20.0
Morocco	747	5.6	4.3	72.3	4.3	72.3	18.0	5.4	7.5	4.2
New Zealand	575	15.8	12.7	67.4	12.7	67.4	17.3	2.6	16.5	15.2
Norway (9)	902	19.0	11.6	49.4	11.6	49.4	31.6	7.4	25.2	14.9
Oman	712	8.4	7.1	77.8	7.1	77.8	12.0	3.1	7.1	9.6
Palestinian Nat'l Auth.	554	6.7	6.0	82.9	6.0	82.9	8.5	2.6	8.8	4.7
Portugal	788	19.3	14.4	60.3	14.4	60.3	22.6	2.8	20.0	18.7
Qatar	628	13.0	10.5	69.7	10.5	69.7	15.5	4.4	16.1	10.3
Romania	523	22.5	18.2	62.8	18.2	62.8	16.5	2.5	24.5	20.5
Saudi Arabia	513	4.8	4.4	86.3	4.4	86.3	5.9	3.5	4.7	4.9
Singapore	970	52.5	50.4	45.7	50.4	45.7	3.4	0.5	49.7	54.9
Sweden	743	8.7	5.0	52.8	5.0	52.8	34.8	7.4	11.0	6.7
Turkiye	704	9.1	6.5	65.4	6.5	65.4	27.2	0.9	11.5	6.7
United Arab Emirates	4024	22.7	18.3	62.2	18.3	62.2	12.7	6.9	23.5	21.9
United States	1139	16.5	14.6	73.7	14.6	73.7	5.8	5.9	15.7	17.4
Uzbekistan	628	9.3	6.9	67.5	6.9	67.5	19.6	5.9	9.7	8.9
International Avg. (39)	35928	18.9	14.9	62.2	14.9	62.2	19.4	3.4	19.3	18.6
Abu Dhabi, UAE	1037	15.7	13.1	70.4	13.1	70.4	10.2	6.4	14.8	16.5
Dubai, UAE	1164	33.0	24.7	50.1	24.7	50.1	18.0	7.1	33.8	32.3
Sharjah, UAE	936	24.0	19.4	61.3	19.4	61.3	11.6	7.8	25.4	22.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Reasoning

B_MD3_08B MQ82N08B: Determine width of box for alternative method - z - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1221	14.5	11.5	68.2	11.5	68.2	16.6	3.7	16.3	13.3
Austria	669	19.0	12.5	53.3	12.5	53.3	33.1	1.2	19.3	18.8
Azerbaijan	898	7.9	4.0	46.9	4.0	46.9	42.6	6.5	5.5	9.8
Bahrain	744	7.9	6.4	74.8	6.4	74.8	13.1	5.7	7.2	8.6
Brazil	0	.	.	.	.	.	.	.	.	.
Chile	646	7.9	4.8	56.1	4.8	56.1	31.9	7.2	7.4	8.5
Chinese Taipei	1110	28.0	25.4	65.2	25.4	65.2	9.1	0.3	27.7	28.3
Cyprus	618	9.8	6.2	57.5	6.2	57.5	33.3	3.0	5.0	13.5
Czech Republic	1176	19.9	12.3	49.6	12.3	49.6	35.3	2.8	18.3	21.2
England	597	16.8	10.3	51.2	10.3	51.2	37.7	0.7	14.7	18.6
Finland	867	13.0	9.3	62.7	9.3	62.7	24.4	3.5	14.4	11.8
France	648	15.7	9.4	50.0	9.4	50.0	37.3	3.3	15.0	16.5
Georgia	708	6.9	3.5	47.2	3.5	47.2	42.4	6.9	9.2	5.3
Hong Kong SAR	637	26.8	23.1	63.0	23.1	63.0	12.8	1.1	29.5	24.7
Hungary	792	13.2	10.3	67.8	10.3	67.8	20.8	1.2	13.6	12.8
Ireland	746	22.9	14.5	48.7	14.5	48.7	35.8	1.0	20.8	24.9
Israel	759	10.3	7.0	61.2	7.0	61.2	25.5	6.3	9.0	11.3
Italy	673	15.6	9.2	49.8	9.2	49.8	36.6	4.4	18.7	12.1
Japan	790	46.9	33.1	37.5	33.1	37.5	27.6	1.9	45.2	48.6
Jordan	0	.	.	.	.	.	.	.	.	.
Kazakhstan	926	11.7	8.3	62.1	8.3	62.1	21.9	7.8	11.8	11.7
Korea, Rep. of	854	33.1	27.6	55.7	27.6	55.7	16.0	0.7	34.6	31.8
Lithuania	787	17.5	11.6	54.5	11.6	54.5	33.1	0.9	14.1	20.7
Malaysia	1256	9.1	8.3	83.0	8.3	83.0	4.1	4.7	8.1	10.1
Malta	568	11.1	8.0	64.0	8.0	64.0	25.9	2.1	9.8	12.4
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	575	11.3	8.8	68.8	8.8	68.8	19.4	3.0	11.3	11.3
Norway (9)	902	12.9	7.4	50.4	7.4	50.4	33.4	8.8	9.7	14.9
Oman	0	.	.	.	.	.	.	.	.	.
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	788	11.3	7.6	60.2	7.6	60.2	28.2	4.1	9.5	12.7
Qatar	628	8.2	6.3	71.0	6.3	71.0	17.1	5.6	8.3	8.1
Romania	523	8.6	6.3	66.5	6.3	66.5	24.2	3.0	4.2	13.1
Saudi Arabia	0	.	.	.	.	.	.	.	.	.
Singapore	970	32.1	30.3	64.0	30.3	64.0	4.8	0.9	29.6	34.3
Sweden	743	20.2	11.1	43.9	11.1	43.9	36.3	8.6	22.2	18.5
Turkiye	704	18.9	13.3	57.0	13.3	57.0	28.5	1.1	17.7	20.1
United Arab Emirates	4022	10.5	8.0	68.4	8.0	68.4	15.3	8.3	10.2	10.8
United States	1139	9.1	7.9	79.1	7.9	79.1	5.8	7.1	5.4	12.6
Uzbekistan	628	9.6	6.9	64.8	6.9	64.8	19.1	9.3	10.3	9.0
International Avg. (34)	30312	15.8	11.5	59.5	11.5	59.5	25.0	4.0	15.1	16.5
Abu Dhabi, UAE	1036	8.7	7.0	73.5	7.0	73.5	11.7	7.8	7.6	9.6
Dubai, UAE	1163	15.8	11.0	58.5	11.0	58.5	21.4	9.0	16.2	15.4
Sharjah, UAE	936	8.7	6.6	69.3	6.6	69.3	15.5	8.5	9.5	8.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MD3_09 ME82711: Students that made at least 3 cards - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	54.5	51.7	43.2	51.7	43.2	1.4	3.7	55.2	53.8
Austria	666	43.2	41.4	54.5	41.4	54.5	2.7	1.5	39.9	46.4
Azerbaijan	899	18.1	15.6	70.6	15.6	70.6	7.2	6.7	17.4	18.7
Bahrain	744	14.9	13.9	79.6	13.9	79.6	0.6	5.9	12.5	17.1
Brazil	3268	15.1	13.2	74.3	13.2	74.3	2.5	10.0	13.0	17.2
Chile	646	21.1	19.1	71.2	19.1	71.2	2.4	7.3	16.4	26.3
Chinese Taipei	1111	54.3	53.6	45.1	53.6	45.1	1.0	0.3	52.0	56.5
Cyprus	614	37.5	35.6	59.3	35.6	59.3	1.9	3.1	32.4	42.1
Czech Republic	1167	34.5	32.3	61.3	32.3	61.3	3.4	3.0	34.6	34.4
England	599	54.2	52.9	44.8	52.9	44.8	1.2	1.1	48.0	60.6
Finland	867	31.8	29.2	62.7	29.2	62.7	4.3	3.8	30.8	32.6
France	648	41.1	38.7	55.6	38.7	55.6	2.2	3.4	39.0	43.1
Georgia	708	20.0	17.5	70.0	17.5	70.0	5.5	7.0	22.3	18.1
Hong Kong SAR	637	61.4	60.2	37.8	60.2	37.8	0.9	1.1	62.7	60.3
Hungary	788	51.0	50.2	48.2	50.2	48.2	0.4	1.2	51.0	51.1
Ireland	747	50.6	49.5	48.3	49.5	48.3	1.2	1.0	45.4	55.2
Israel	759	30.0	27.1	63.1	27.1	63.1	3.4	6.3	29.4	30.6
Italy	673	35.4	32.9	59.9	32.9	59.9	2.6	4.6	33.8	37.3
Japan	791	61.7	60.3	37.4	60.3	37.4	0.4	2.0	61.2	62.2
Jordan	606	13.1	12.2	81.3	12.2	81.3	2.2	4.3	14.6	11.7
Kazakhstan	925	25.6	22.8	66.3	22.8	66.3	2.9	8.0	22.2	29.0
Korea, Rep. of	853	63.3	62.3	36.1	62.3	36.1	0.9	0.8	64.3	62.3
Lithuania	787	49.5	48.4	49.4	48.4	49.4	1.3	0.9	47.0	52.0
Malaysia	1256	12.7	11.9	81.7	11.9	81.7	1.3	5.1	12.8	12.6
Malta	567	42.5	41.0	55.5	41.0	55.5	1.3	2.3	37.0	47.4
Morocco	747	7.7	6.8	81.6	6.8	81.6	3.2	8.4	7.9	7.5
New Zealand	577	50.9	48.8	47.1	48.8	47.1	1.0	3.2	48.2	53.4
Norway (9)	902	55.4	48.5	39.1	48.5	39.1	3.2	9.1	57.2	53.9
Oman	711	11.4	10.6	82.4	10.6	82.4	1.3	5.7	11.6	11.2
Palestinian Nat'l Auth.	554	13.1	12.3	82.1	12.3	82.1	1.6	4.0	14.0	12.2
Portugal	786	36.4	34.2	59.7	34.2	59.7	1.8	4.2	29.8	42.1
Qatar	626	25.2	23.5	69.6	23.5	69.6	1.1	5.8	17.9	32.1
Romania	523	50.3	47.8	47.2	47.8	47.2	1.4	3.6	51.1	49.5
Saudi Arabia	511	16.1	15.2	79.3	15.2	79.3	0.6	4.9	12.4	19.5
Singapore	970	77.5	76.6	22.2	76.6	22.2	0.2	0.9	78.3	76.8
Sweden	742	56.0	49.3	38.8	49.3	38.8	2.7	9.2	55.5	56.4
Turkiye	704	34.9	33.7	63.0	33.7	63.0	2.1	1.1	32.0	37.9
United Arab Emirates	4024	32.2	28.7	60.6	28.7	60.6	1.7	9.0	28.5	35.7
United States	1138	40.1	36.8	54.9	36.8	54.9	1.1	7.3	35.8	44.4
Uzbekistan	626	12.0	10.6	77.4	10.6	77.4	2.6	9.5	12.0	12.1
International Avg. (40)	36689	36.4	34.4	59.1	34.4	59.1	2.0	4.5	34.7	38.1
Abu Dhabi, UAE	1036	25.6	23.1	67.2	23.1	67.2	1.6	8.1	25.0	26.1
Dubai, UAE	1165	48.5	42.7	45.3	42.7	45.3	2.1	9.9	42.8	54.0
Sharjah, UAE	936	26.8	23.8	65.1	23.8	65.1	1.5	9.6	20.6	32.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MD3_10 ME82111: Prime number between 30 and 40 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	49.3	45.8	47.1	45.8	47.1	3.2	3.9	47.9	50.4
Austria	669	42.9	41.3	55.0	41.3	55.0	2.1	1.6	41.0	44.7
Azerbaijan	894	55.9	50.2	39.6	50.2	39.6	3.2	6.9	57.1	54.8
Bahrain	741	24.8	22.6	68.4	22.6	68.4	3.1	5.9	26.4	23.3
Brazil	3273	18.2	15.9	71.6	15.9	71.6	2.4	10.1	15.3	21.1
Chile	646	12.1	10.3	74.9	10.3	74.9	6.9	7.8	10.9	13.4
Chinese Taipei	1111	77.7	76.7	22.1	76.7	22.1	0.8	0.4	80.1	75.5
Cyprus	618	54.7	51.6	42.8	51.6	42.8	2.3	3.2	50.4	58.6
Czech Republic	1177	54.0	49.7	42.4	49.7	42.4	4.8	3.1	51.9	55.8
England	599	65.2	62.1	33.2	62.1	33.2	3.6	1.1	62.3	68.1
Finland	867	21.4	20.0	73.4	20.0	73.4	2.5	4.1	19.8	23.0
France	649	31.6	29.5	63.8	29.5	63.8	3.3	3.4	26.6	36.5
Georgia	705	31.0	27.7	61.5	27.7	61.5	3.1	7.7	30.2	31.7
Hong Kong SAR	636	52.3	50.8	46.2	50.8	46.2	1.8	1.1	52.0	52.6
Hungary	791	65.7	64.1	33.5	64.1	33.5	1.3	1.2	61.6	69.5
Ireland	746	57.0	55.2	41.6	55.2	41.6	2.1	1.0	56.2	57.8
Israel	759	34.1	30.4	58.7	30.4	58.7	4.0	6.9	31.8	36.3
Italy	672	48.4	44.3	47.1	44.3	47.1	4.0	4.6	44.9	52.2
Japan	791	75.7	71.9	23.1	71.9	23.1	3.0	2.0	69.0	82.4
Jordan	606	13.1	12.0	79.8	12.0	79.8	1.8	6.4	14.0	12.3
Kazakhstan	913	13.1	11.4	75.9	11.4	75.9	3.8	8.9	12.2	14.0
Korea, Rep. of	853	74.3	72.1	24.9	72.1	24.9	2.2	0.8	76.4	72.3
Lithuania	787	42.9	41.0	54.6	41.0	54.6	3.6	0.9	40.7	45.1
Malaysia	1253	19.9	18.4	74.3	18.4	74.3	1.1	6.1	20.1	19.7
Malta	568	59.1	56.8	39.3	56.8	39.3	1.6	2.2	57.6	60.5
Morocco	747	12.6	11.1	77.2	11.1	77.2	3.0	8.7	12.5	12.7
New Zealand	576	41.1	39.1	56.0	39.1	56.0	1.8	3.2	36.8	44.9
Norway (9)	902	48.1	41.7	45.0	41.7	45.0	3.6	9.6	49.9	46.7
Oman	710	28.6	25.8	64.4	25.8	64.4	3.6	6.2	30.1	27.2
Palestinian Nat'l Auth.	547	30.2	28.7	66.3	28.7	66.3	1.0	4.0	35.6	25.3
Portugal	788	27.8	25.1	65.3	25.1	65.3	5.1	4.5	28.0	27.5
Qatar	623	31.8	29.3	62.7	29.3	62.7	1.4	6.6	28.9	34.5
Romania	523	56.0	52.1	40.9	52.1	40.9	3.0	4.1	55.3	56.8
Saudi Arabia	513	18.7	17.5	75.8	17.5	75.8	1.2	5.5	15.8	21.3
Singapore	970	77.9	76.9	21.8	76.9	21.8	0.4	0.9	74.9	80.5
Sweden	740	30.0	25.3	59.1	25.3	59.1	6.0	9.6	25.9	33.8
Turkiye	700	65.4	63.2	33.4	63.2	33.4	2.1	1.3	66.3	64.5
United Arab Emirates	4020	44.2	39.0	49.2	39.0	49.2	2.2	9.7	45.0	43.5
United States	1139	27.3	24.9	66.4	24.9	66.4	1.0	7.8	25.2	29.2
Uzbekistan	610	22.4	19.4	67.0	19.4	67.0	3.5	10.1	22.5	22.4
International Avg. (40)	36654	41.4	38.8	53.6	38.8	53.6	2.8	4.8	40.2	42.6
Abu Dhabi, UAE	1037	30.8	27.6	62.1	27.6	62.1	1.5	8.8	31.7	29.9
Dubai, UAE	1165	62.9	54.3	32.0	54.3	32.0	2.8	10.9	63.8	62.1
Sharjah, UAE	935	46.3	40.7	47.2	40.7	47.2	2.2	9.8	45.2	47.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MD3_11 ME82320: Ratio of orange circles to green squares - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	34.6	32.4	61.3	32.4	61.3	1.9	4.4	39.0	31.4
Austria	670	27.9	26.2	67.7	26.2	67.7	4.2	1.9	29.7	26.2
Azerbaijan	899	14.1	11.9	72.7	11.9	72.7	6.5	8.9	15.0	13.3
Bahrain	745	15.3	13.9	76.7	13.9	76.7	2.9	6.5	18.8	12.0
Brazil	3276	2.4	1.9	78.1	1.9	78.1	9.1	10.8	2.0	2.9
Chile	646	1.8	1.4	77.7	1.4	77.7	12.5	8.4	2.6	0.9
Chinese Taipei	1111	73.5	72.9	26.3	72.9	26.3	0.3	0.5	76.0	71.2
Cyprus	618	19.9	18.1	72.6	18.1	72.6	5.2	4.1	22.4	17.6
Czech Republic	1177	27.7	25.6	66.7	25.6	66.7	4.6	3.2	27.3	28.1
England	599	45.2	44.3	53.8	44.3	53.8	0.7	1.1	42.8	47.7
Finland	867	19.1	17.4	73.8	17.4	73.8	4.6	4.2	19.2	19.1
France	649	11.7	9.3	70.3	9.3	70.3	16.4	3.9	10.9	12.5
Georgia	709	11.3	8.9	70.0	8.9	70.0	11.9	9.2	11.9	10.9
Hong Kong SAR	638	69.1	66.6	29.8	66.6	29.8	2.4	1.1	71.8	66.8
Hungary	792	29.0	28.1	68.8	28.1	68.8	1.8	1.3	29.7	28.4
Ireland	747	39.2	37.6	58.2	37.6	58.2	3.1	1.1	41.0	37.6
Israel	759	20.1	17.1	68.2	17.1	68.2	7.0	7.7	18.1	21.8
Italy	673	24.3	20.8	64.8	20.8	64.8	8.5	5.9	22.6	26.1
Japan	791	78.1	75.5	21.2	75.5	21.2	1.2	2.2	75.6	80.7
Jordan	608	7.2	6.5	83.8	6.5	83.8	2.3	7.4	8.2	6.2
Kazakhstan	926	16.1	13.4	70.0	13.4	70.0	6.6	10.0	16.7	15.5
Korea, Rep. of	854	79.3	78.0	20.3	78.0	20.3	0.7	0.9	82.0	76.8
Lithuania	787	14.9	14.2	81.3	14.2	81.3	3.6	1.0	13.5	16.4
Malaysia	1256	15.9	14.6	77.1	14.6	77.1	1.5	6.8	17.2	14.5
Malta	568	39.1	36.9	57.5	36.9	57.5	3.0	2.6	40.3	38.1
Morocco	748	1.4	1.2	83.4	1.2	83.4	6.1	9.4	1.8	1.1
New Zealand	576	32.7	30.4	62.8	30.4	62.8	3.2	3.6	29.6	35.3
Norway (9)	902	19.2	15.2	64.0	15.2	64.0	10.1	10.7	21.2	17.6
Oman	712	7.5	6.6	82.3	6.6	82.3	2.9	8.2	7.0	7.9
Palestinian Nat'l Auth.	555	7.9	7.4	86.4	7.4	86.4	2.0	4.1	10.3	5.6
Portugal	788	5.3	4.5	80.7	4.5	80.7	9.2	5.6	3.9	6.5
Qatar	628	22.6	20.7	70.7	20.7	70.7	1.9	6.7	22.5	22.7
Romania	523	21.3	19.3	71.2	19.3	71.2	4.1	5.3	24.2	18.3
Saudi Arabia	515	5.1	4.7	87.7	4.7	87.7	1.7	5.9	6.0	4.3
Singapore	970	77.3	76.4	22.4	76.4	22.4	0.2	1.0	77.3	77.4
Sweden	743	11.8	9.0	67.9	9.0	67.9	11.7	11.4	12.9	10.7
Turkiye	703	38.7	36.6	58.0	36.6	58.0	4.1	1.3	44.3	32.4
United Arab Emirates	4025	32.3	28.2	59.1	28.2	59.1	2.1	10.6	33.7	31.1
United States	1139	24.4	22.2	68.7	22.2	68.7	0.9	8.2	25.7	23.2
Uzbekistan	628	6.6	5.4	76.6	5.4	76.6	6.6	11.3	4.9	8.2
International Avg. (40)	36742	26.3	24.5	65.3	24.5	65.3	4.7	5.5	27.0	25.6
Abu Dhabi, UAE	1037	19.9	17.6	71.0	17.6	71.0	1.7	9.7	21.7	18.3
Dubai, UAE	1165	50.6	43.3	42.3	43.3	42.3	2.6	11.8	51.8	49.4
Sharjah, UAE	936	31.7	27.6	59.3	27.6	59.3	2.2	10.9	31.6	31.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD3_12 ME82707: Total number of students that prefer football - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1222	46.1	42.7	49.9	42.7	49.9	2.6	4.9	48.7	43.9
Austria	670	47.1	44.7	50.1	44.7	50.1	2.5	2.6	46.7	47.5
Azerbaijan	899	29.4	23.3	56.0	23.3	56.0	9.3	11.4	31.6	27.4
Bahrain	743	16.5	14.6	74.1	14.6	74.1	3.4	7.9	17.4	15.6
Brazil	3276	9.9	8.4	76.4	8.4	76.4	3.0	12.2	7.2	12.7
Chile	646	23.8	19.9	63.7	19.9	63.7	5.0	11.5	19.4	28.5
Chinese Taipei	1111	69.7	68.9	30.0	68.9	30.0	0.5	0.5	71.0	68.5
Cyprus	618	35.9	32.2	57.3	32.2	57.3	4.5	6.0	40.5	31.9
Czech Republic	1176	55.2	49.7	40.3	49.7	40.3	5.8	4.2	51.8	58.4
England	599	57.9	54.7	39.8	54.7	39.8	4.3	1.2	55.0	61.0
Finland	867	42.9	39.0	51.9	39.0	51.9	4.2	4.9	44.8	41.1
France	649	43.1	39.0	51.6	39.0	51.6	3.9	5.6	41.9	44.2
Georgia	709	27.1	20.9	56.1	20.9	56.1	9.5	13.6	26.2	27.9
Hong Kong SAR	638	64.4	62.6	34.5	62.6	34.5	1.1	1.7	65.8	63.3
Hungary	791	41.9	40.6	56.3	40.6	56.3	1.4	1.7	40.7	43.0
Ireland	747	50.0	47.6	47.6	47.6	47.6	3.4	1.4	46.8	52.9
Israel	759	34.3	29.5	56.6	29.5	56.6	4.3	9.6	28.0	40.1
Italy	673	35.4	31.0	56.6	31.0	56.6	5.2	7.3	32.8	38.2
Japan	791	81.2	78.3	18.1	78.3	18.1	1.2	2.4	81.6	80.8
Jordan	608	7.6	6.7	82.1	6.7	82.1	2.6	8.6	11.7	3.8
Kazakhstan	925	36.9	30.4	52.1	30.4	52.1	5.7	11.8	36.2	37.5
Korea, Rep. of	854	73.4	72.5	26.3	72.5	26.3	0.2	0.9	75.3	71.5
Lithuania	787	49.4	46.6	47.7	46.6	47.7	3.7	2.1	49.8	49.0
Malaysia	1256	25.9	23.3	66.9	23.3	66.9	2.0	7.8	27.0	24.6
Malta	568	42.9	40.0	53.4	40.0	53.4	3.5	3.1	44.1	41.7
Morocco	748	8.7	7.2	75.4	7.2	75.4	5.6	11.8	9.7	8.0
New Zealand	577	36.3	34.1	59.8	34.1	59.8	1.4	4.7	36.5	36.1
Norway (9)	902	40.8	33.5	48.6	33.5	48.6	4.3	13.6	47.3	35.8
Oman	712	10.4	9.2	79.4	9.2	79.4	2.4	9.0	10.6	10.2
Palestinian Nat'l Auth.	555	7.7	7.0	84.6	7.0	84.6	3.8	4.5	9.2	6.2
Portugal	787	37.3	33.3	56.1	33.3	56.1	3.6	7.0	33.0	40.8
Qatar	627	27.6	24.7	64.8	24.7	64.8	3.0	7.4	29.9	25.5
Romania	523	30.2	27.4	63.2	27.4	63.2	3.1	6.3	27.7	32.8
Saudi Arabia	513	10.5	9.4	80.2	9.4	80.2	3.6	6.8	7.8	12.9
Singapore	970	71.0	69.9	28.5	69.9	28.5	0.6	1.0	71.4	70.7
Sweden	743	41.6	33.4	47.0	33.4	47.0	5.3	14.2	43.7	39.6
Turkiye	704	48.7	46.9	49.4	46.9	49.4	2.0	1.7	47.3	50.2
United Arab Emirates	4022	37.5	31.6	52.7	31.6	52.7	3.7	12.1	36.5	38.5
United States	1139	36.9	32.9	56.3	32.9	56.3	1.8	9.0	33.7	40.0
Uzbekistan	625	18.1	14.4	65.1	14.4	65.1	6.6	14.0	16.4	19.8
International Avg. (40)	36729	37.8	34.6	55.2	34.6	55.2	3.6	6.7	37.6	38.1
Abu Dhabi, UAE	1035	26.1	22.3	63.2	22.3	63.2	3.6	10.9	25.9	26.4
Dubai, UAE	1165	56.2	45.9	35.7	45.9	35.7	4.8	13.6	54.6	57.8
Sharjah, UAE	935	36.0	30.1	53.5	30.1	53.5	3.8	12.6	33.9	37.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD3_13 ME82802: Probability of drawing two-digit number larger than 40 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1218	24.7	21.8	66.3	21.8	66.3	5.2	6.8	25.6	24.1
Austria	662	5.9	5.1	80.0	5.1	80.0	10.6	4.4	3.5	8.4
Azerbaijan	898	16.0	11.9	62.3	11.9	62.3	9.6	16.2	16.6	15.5
Bahrain	745	5.3	4.5	81.0	4.5	81.0	4.6	9.9	7.0	3.6
Brazil	3276	1.3	1.1	77.4	1.1	77.4	7.8	13.7	0.8	1.9
Chile	646	2.2	1.5	69.1	1.5	69.1	14.3	15.1	1.8	2.5
Chinese Taipei	1111	37.9	37.1	61.0	37.1	61.0	1.0	0.8	34.6	40.9
Cyprus	617	11.9	9.4	70.0	9.4	70.0	11.9	8.6	7.3	15.7
Czech Republic	1175	7.9	6.3	73.1	6.3	73.1	13.0	7.6	3.2	11.9
England	599	32.1	26.7	56.4	26.7	56.4	12.1	4.7	30.3	34.1
Finland	864	15.2	12.8	71.7	12.8	71.7	8.4	7.0	13.9	16.2
France	647	10.4	7.9	67.7	7.9	67.7	16.2	8.2	9.4	11.3
Georgia	705	7.5	5.1	63.6	5.1	63.6	13.6	17.7	3.2	10.7
Hong Kong SAR	616	21.8	20.1	72.1	20.1	72.1	5.6	2.3	18.5	24.5
Hungary	787	12.6	11.3	78.4	11.3	78.4	7.5	2.8	9.9	15.0
Ireland	746	25.2	21.8	64.5	21.8	64.5	10.5	3.3	22.2	28.0
Israel	758	12.9	10.0	67.1	10.0	67.1	11.2	11.8	11.1	14.6
Italy	673	9.3	7.2	70.4	7.2	70.4	11.8	10.5	9.0	9.5
Japan	791	72.6	65.7	24.8	65.7	24.8	6.3	3.2	69.6	75.5
Jordan	606	1.2	1.1	86.1	1.1	86.1	2.7	10.2	1.2	1.3
Kazakhstan	926	7.5	5.7	70.5	5.7	70.5	8.5	15.3	8.3	6.8
Korea, Rep. of	854	45.9	43.0	50.7	43.0	50.7	5.3	1.0	42.3	49.3
Lithuania	787	12.1	9.7	70.3	9.7	70.3	15.4	4.6	7.9	15.9
Malaysia	1256	1.5	1.3	86.7	1.3	86.7	2.5	9.5	1.2	1.7
Malta	568	16.9	14.7	72.1	14.7	72.1	8.4	4.8	14.7	18.9
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	576	12.7	11.0	75.3	11.0	75.3	8.1	5.6	13.5	12.0
Norway (9)	902	18.4	13.5	59.8	13.5	59.8	10.5	16.2	18.1	18.6
Oman	707	4.5	3.9	83.5	3.9	83.5	2.0	10.6	4.5	4.5
Palestinian Nat'l Auth.	555	1.4	1.3	89.9	1.3	89.9	2.1	6.7	2.2	0.7
Portugal	787	2.5	2.0	75.1	2.0	75.1	13.2	9.7	1.4	3.4
Qatar	627	9.8	8.2	76.1	8.2	76.1	5.9	9.7	6.2	12.9
Romania	523	12.7	10.8	74.0	10.8	74.0	7.0	8.2	14.9	10.6
Saudi Arabia	513	3.6	3.2	84.6	3.2	84.6	2.6	9.5	2.6	4.5
Singapore	970	44.8	43.5	53.6	43.5	53.6	1.5	1.3	41.3	47.9
Sweden	743	22.3	15.4	53.7	15.4	53.7	13.1	17.7	20.6	23.9
Turkiye	704	29.6	27.7	66.1	27.7	66.1	3.8	2.4	31.1	27.9
United Arab Emirates	4015	14.9	12.0	68.6	12.0	68.6	4.6	14.8	14.6	15.2
United States	1139	10.9	9.6	78.3	9.6	78.3	1.5	10.6	8.8	13.1
Uzbekistan	625	2.4	1.8	73.6	1.8	73.6	5.7	18.9	2.4	2.5
International Avg. (39)	35917	15.6	13.5	69.9	13.5	69.9	7.8	8.8	14.2	16.8
Abu Dhabi, UAE	1035	5.7	4.7	77.6	4.7	77.6	4.2	13.5	5.8	5.6
Dubai, UAE	1160	30.3	23.3	53.7	23.3	53.7	5.9	17.0	32.0	28.8
Sharjah, UAE	935	12.4	10.0	70.6	10.0	70.6	3.6	15.8	10.1	14.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MD4_02 MQ72D01: T-Rex Footprint Length to Foot Length - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	35.3	34.5	0.9	62.3	34.5	63.2	2.1	0.3	28.5	41.7
Austria	671	42.9	41.8	2.3	53.4	41.8	55.7	2.4	0.1	36.3	49.0
Azerbaijan	885	31.1	28.5	7.7	55.4	28.5	63.2	7.0	1.4	29.7	32.4
Bahrain	748	11.7	11.4	3.7	82.1	11.4	85.7	2.6	0.3	10.2	13.3
Brazil	3309	10.6	10.1	0.9	84.9	10.1	85.7	3.5	0.7	8.1	12.8
Chile	621	16.9	15.4	1.9	73.9	15.4	75.8	7.1	1.7	12.4	21.0
Chinese Taipei	1111	47.7	47.6	3.1	49.1	47.6	52.2	0.2	0.0	40.4	54.7
Cyprus	609	19.9	19.3	1.7	75.7	19.3	77.4	3.3	0.1	17.3	22.6
Czech Republic	1195	51.5	50.0	1.8	45.3	50.0	47.1	2.9	0.1	44.3	58.4
England	616	57.8	56.1	1.0	39.9	56.1	41.0	2.7	0.2	51.3	64.3
Finland	853	42.4	41.2	1.3	54.8	41.2	56.0	2.7	0.1	35.9	48.5
France	655	23.0	21.7	1.6	70.8	21.7	72.4	5.6	0.3	15.0	31.3
Georgia	713	32.9	30.2	5.0	56.4	30.2	61.4	7.9	0.5	28.0	37.6
Hong Kong SAR	646	57.5	57.0	3.9	38.3	57.0	42.1	0.6	0.3	52.7	61.9
Hungary	787	48.9	48.0	1.4	48.9	48.0	50.3	1.7	0.0	45.8	51.8
Ireland	715	43.2	42.1	0.5	54.7	42.1	55.2	2.7	0.0	35.2	50.1
Israel	744	37.1	34.5	3.0	55.6	34.5	58.6	6.0	0.9	31.1	43.1
Italy	669	34.3	32.6	1.8	60.5	32.6	62.3	5.1	0.0	27.1	40.9
Japan	796	49.9	49.1	1.1	48.3	49.1	49.3	1.5	0.1	40.9	59.2
Jordan	588	4.8	4.7	3.7	88.3	4.7	92.1	3.0	0.3	4.4	5.2
Kazakhstan	925	21.1	20.6	1.1	75.8	20.6	76.8	2.4	0.2	17.0	25.0
Korea, Rep. of	848	60.4	59.7	1.9	37.3	59.7	39.2	0.8	0.3	55.4	65.6
Lithuania	795	40.4	38.3	1.8	54.8	38.3	56.6	5.0	0.0	37.1	43.7
Malaysia	1290	10.5	10.4	1.6	87.4	10.4	89.0	0.4	0.2	9.4	11.6
Malta	568	36.7	35.6	3.0	58.4	35.6	61.4	2.7	0.4	30.4	43.3
Morocco	757	5.9	5.6	2.3	86.2	5.6	88.5	4.9	1.0	6.0	5.8
New Zealand	582	28.3	27.4	0.8	68.7	27.4	69.5	2.9	0.2	20.1	34.5
Norway (9)	914	36.7	34.0	0.7	57.8	34.0	58.5	6.3	1.2	31.3	41.6
Oman	704	8.1	7.9	7.3	82.7	7.9	90.0	1.9	0.1	3.4	12.4
Palestinian Nat'l Auth.	554	4.0	4.0	2.4	91.6	4.0	94.0	2.0	0.0	2.2	5.7
Portugal	785	19.1	18.2	0.8	75.9	18.2	76.6	4.7	0.5	13.3	24.3
Qatar	623	20.4	19.7	2.9	73.9	19.7	76.8	2.9	0.5	14.4	25.7
Romania	532	44.6	43.3	5.1	48.7	43.3	53.8	2.3	0.6	43.2	45.8
Saudi Arabia	515	9.4	9.3	5.0	85.2	9.3	90.2	0.2	0.3	6.7	11.7
Singapore	963	75.0	74.6	1.5	23.4	74.6	24.8	0.6	0.0	75.4	74.7
Sweden	732	57.2	54.6	2.3	38.6	54.6	40.9	3.7	0.7	51.6	62.3
Turkiye	709	42.7	42.0	1.6	54.6	42.0	56.3	1.8	0.0	40.0	45.6
United Arab Emirates	4012	31.9	31.1	5.8	60.5	31.1	66.3	1.8	0.8	27.3	36.5
United States	1104	24.1	23.5	1.5	72.6	23.5	74.2	1.2	1.2	16.7	31.3
Uzbekistan	634	14.5	14.3	1.7	82.2	14.3	83.9	1.6	0.2	11.9	17.2
International Avg. (40)	36696	32.3	31.2	2.5	62.9	31.2	65.4	3.0	0.4	27.7	36.6
Abu Dhabi, UAE	1045	21.1	20.5	5.9	70.9	20.5	76.7	1.7	1.1	18.2	24.0
Dubai, UAE	1169	49.3	48.1	4.2	45.3	48.1	49.4	1.9	0.6	43.7	54.7
Sharjah, UAE	920	30.3	29.6	6.3	61.7	29.6	68.0	1.4	1.0	24.1	36.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD4_03A MQ72D02A: Relationship Between Foot Length and Leg Height (DERIVED) (EXCLUDED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	76.0	65.0	20.5	65.0	20.5	14.1	0.3	81.1	71.2
Austria	671	81.4	77.3	17.7	77.3	17.7	4.6	0.3	83.2	79.6
Azerbaijan	885	57.9	33.6	24.4	33.6	24.4	40.3	1.7	57.9	57.9
Bahrain	748	55.0	46.9	38.3	46.9	38.3	14.4	0.4	55.0	55.1
Brazil	3310	47.9	36.1	39.3	36.1	39.3	23.4	1.3	47.9	47.8
Chile	621	66.0	54.1	27.9	54.1	27.9	16.0	2.0	63.5	68.4
Chinese Taipei	1111	65.1	60.5	32.5	60.5	32.5	7.0	0.0	68.3	61.9
Cyprus	610	70.7	58.4	24.3	58.4	24.3	17.0	0.3	73.6	67.6
Czech Republic	1195	65.1	59.6	32.0	59.6	32.0	8.3	0.1	67.7	62.6
England	616	78.6	69.7	19.0	69.7	19.0	11.0	0.2	79.9	77.3
Finland	855	71.6	59.7	23.7	59.7	23.7	16.5	0.1	76.2	67.0
France	655	79.2	70.9	18.6	70.9	18.6	9.9	0.6	80.0	78.4
Georgia	713	62.5	49.4	29.6	49.4	29.6	20.0	0.9	66.6	58.5
Hong Kong SAR	646	63.0	54.9	32.3	54.9	32.3	12.5	0.3	65.3	60.7
Hungary	787	71.3	63.5	25.5	63.5	25.5	11.0	0.0	73.5	69.3
Ireland	715	83.4	77.1	15.4	77.1	15.4	7.6	0.0	89.5	78.0
Israel	744	55.9	46.2	36.4	46.2	36.4	16.2	1.3	58.0	53.7
Italy	669	68.2	60.3	28.2	60.3	28.2	11.4	0.1	70.2	66.3
Japan	796	73.9	65.2	23.0	65.2	23.0	11.6	0.1	76.6	71.2
Jordan	588	46.3	36.3	42.1	36.3	42.1	21.3	0.3	45.2	47.4
Kazakhstan	925	64.4	56.3	31.0	56.3	31.0	12.2	0.5	67.2	61.9
Korea, Rep. of	848	67.3	58.7	28.5	58.7	28.5	12.5	0.3	69.8	64.6
Lithuania	795	84.8	79.7	14.3	79.7	14.3	6.1	0.0	84.1	85.6
Malaysia	1290	72.3	66.0	25.3	66.0	25.3	8.6	0.2	76.4	68.0
Malta	568	72.3	65.2	25.0	65.2	25.0	9.3	0.5	76.6	67.6
Morocco	757	40.4	28.4	41.9	28.4	41.9	28.6	1.1	33.3	46.6
New Zealand	582	73.2	60.4	22.1	60.4	22.1	17.4	0.2	76.2	71.0
Norway (9)	914	75.7	63.9	20.5	63.9	20.5	14.3	1.3	76.7	74.6
Oman	704	56.0	44.8	35.2	44.8	35.2	19.7	0.3	55.1	56.9
Palestinian Nat'l Auth.	555	30.0	21.8	50.9	21.8	50.9	27.1	0.2	26.6	33.2
Portugal	785	68.9	61.5	27.8	61.5	27.8	10.1	0.6	66.4	71.2
Qatar	623	53.1	44.4	39.2	44.4	39.2	15.8	0.6	52.0	54.1
Romania	532	69.3	54.3	24.1	54.3	24.1	20.6	1.1	72.1	66.9
Saudi Arabia	515	47.2	36.7	41.0	36.7	41.0	22.0	0.3	54.0	40.9
Singapore	963	70.7	65.6	27.2	65.6	27.2	7.3	0.0	76.6	64.8
Sweden	733	72.8	61.2	22.9	61.2	22.9	14.9	1.0	72.7	72.9
Turkiye	709	52.4	47.6	43.3	47.6	43.3	9.1	0.0	55.2	49.4
United Arab Emirates	4013	62.2	51.6	31.4	51.6	31.4	16.0	1.0	63.5	60.8
United States	1104	73.4	61.1	22.2	61.1	22.2	15.1	1.6	74.6	72.2
Uzbekistan	634	43.2	30.7	40.3	30.7	40.3	28.7	0.3	40.8	45.7
International Avg. (40)	36703	64.7	55.1	29.1	55.1	29.1	15.2	0.5	66.2	63.2
Abu Dhabi, UAE	1045	62.8	51.4	30.4	51.4	30.4	17.0	1.2	63.2	62.4
Dubai, UAE	1169	69.4	60.8	26.8	60.8	26.8	11.6	0.8	71.8	67.0
Sharjah, UAE	920	62.0	51.5	31.6	51.5	31.6	15.8	1.1	63.0	61.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD4_03AA MQ72D02AA: Relationship Between Foot Length and Leg Height - 37 (EXCLUDED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	78.9	67.6	18.0	67.6	18.0	14.1	0.3	84.8	73.3
Austria	671	84.0	79.9	15.2	79.9	15.2	4.6	0.3	86.2	81.9
Azerbaijan	885	65.2	37.8	20.2	37.8	20.2	40.3	1.7	67.7	63.2
Bahrain	748	64.4	54.9	30.3	54.9	30.3	14.4	0.4	62.6	66.5
Brazil	3310	53.5	40.3	35.0	40.3	35.0	23.4	1.3	54.0	53.1
Chile	621	69.5	57.0	25.0	57.0	25.0	16.0	2.0	67.9	71.1
Chinese Taipei	1111	67.6	62.9	30.1	62.9	30.1	7.0	0.0	70.1	65.1
Cyprus	610	75.6	62.5	20.2	62.5	20.2	17.0	0.3	78.7	72.4
Czech Republic	1195	69.1	63.3	28.3	63.3	28.3	8.3	0.1	71.9	66.4
England	616	81.6	72.4	16.3	72.4	16.3	11.0	0.2	84.2	79.0
Finland	855	75.4	62.9	20.5	62.9	20.5	16.5	0.1	81.6	69.4
France	655	82.0	73.4	16.1	73.4	16.1	9.9	0.6	83.1	80.8
Georgia	713	67.3	53.2	25.9	53.2	25.9	20.0	0.9	72.9	61.8
Hong Kong SAR	646	67.9	59.2	28.0	59.2	28.0	12.5	0.3	72.8	63.2
Hungary	787	74.1	65.9	23.1	65.9	23.1	11.0	0.0	76.1	72.2
Ireland	715	85.6	79.1	13.3	79.1	13.3	7.6	0.0	91.5	80.4
Israel	744	59.8	49.3	33.2	49.3	33.2	16.2	1.3	63.1	56.3
Italy	669	71.0	62.8	25.7	62.8	25.7	11.4	0.1	73.7	68.5
Japan	796	78.4	69.2	19.1	69.2	19.1	11.6	0.1	81.0	75.8
Jordan	588	52.8	41.4	37.0	41.4	37.0	21.3	0.3	53.1	52.5
Kazakhstan	925	69.3	60.5	26.8	60.5	26.8	12.2	0.5	71.8	67.0
Korea, Rep. of	848	70.3	61.2	25.9	61.2	25.9	12.5	0.3	72.0	68.3
Lithuania	795	86.5	81.3	12.7	81.3	12.7	6.1	0.0	86.9	86.0
Malaysia	1290	76.5	69.8	21.5	69.8	21.5	8.6	0.2	81.2	71.4
Malta	568	76.1	68.6	21.6	68.6	21.6	9.3	0.5	79.1	72.7
Morocco	757	47.3	33.2	37.1	33.2	37.1	28.6	1.1	40.2	53.4
New Zealand	582	75.3	62.1	20.3	62.1	20.3	17.4	0.2	80.2	71.6
Norway (9)	914	78.9	66.5	17.8	66.5	17.8	14.3	1.3	80.1	77.6
Oman	704	63.4	50.8	29.3	50.8	29.3	19.7	0.3	63.3	63.5
Palestinian Nat'l Auth.	555	38.4	27.9	44.8	27.9	44.8	27.1	0.2	37.8	38.9
Portugal	785	73.0	65.2	24.1	65.2	24.1	10.1	0.6	70.2	75.5
Qatar	623	57.5	48.1	35.5	48.1	35.5	15.8	0.6	58.8	56.4
Romania	532	73.7	57.8	20.6	57.8	20.6	20.6	1.1	76.1	71.7
Saudi Arabia	515	58.7	45.6	32.1	45.6	32.1	22.0	0.3	64.1	53.6
Singapore	963	74.8	69.4	23.4	69.4	23.4	7.3	0.0	79.1	70.5
Sweden	733	76.8	64.6	19.5	64.6	19.5	14.9	1.0	79.2	74.5
Turkiye	709	55.8	50.7	40.2	50.7	40.2	9.1	0.0	59.0	52.3
United Arab Emirates	4013	65.6	54.4	28.5	54.4	28.5	16.0	1.0	67.2	63.9
United States	1104	76.1	63.4	20.0	63.4	20.0	15.1	1.6	77.3	74.8
Uzbekistan	634	50.3	35.7	35.3	35.7	35.3	28.7	0.3	48.9	51.8
International Avg. (40)	36703	69.2	58.8	25.4	58.8	25.4	15.2	0.5	71.2	67.2
Abu Dhabi, UAE	1045	67.0	54.9	27.0	54.9	27.0	17.0	1.2	68.1	65.8
Dubai, UAE	1169	72.0	63.1	24.5	63.1	24.5	11.6	0.8	73.9	70.2
Sharjah, UAE	920	66.0	54.8	28.3	54.8	28.3	15.8	1.1	67.5	64.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MD4_03AB MQ72D02AB: Relationship Between Foot Length and Leg Height - 61 (EXCLUDED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	82.4	70.5	15.0	70.5	15.0	14.1	0.3	85.7	79.3
Austria	671	83.9	79.7	15.3	79.7	15.3	4.6	0.3	84.7	83.0
Azerbaijan	885	64.2	37.2	20.8	37.2	20.8	40.3	1.7	66.6	62.1
Bahrain	748	67.6	57.6	27.6	57.6	27.6	14.4	0.4	69.5	65.3
Brazil	3310	54.6	41.1	34.2	41.1	34.2	23.4	1.3	55.4	53.9
Chile	621	71.3	58.4	23.6	58.4	23.6	16.0	2.0	71.0	71.5
Chinese Taipei	1111	73.4	68.2	24.8	68.2	24.8	7.0	0.0	77.2	69.6
Cyprus	610	76.6	63.4	19.3	63.4	19.3	17.0	0.3	79.1	74.1
Czech Republic	1195	69.7	63.9	27.8	63.9	27.8	8.3	0.1	71.0	68.4
England	616	84.6	75.1	13.6	75.1	13.6	11.0	0.2	87.1	82.1
Finland	855	76.6	63.9	19.6	63.9	19.6	16.5	0.1	81.7	71.4
France	655	82.7	74.0	15.4	74.0	15.4	9.9	0.6	84.5	80.8
Georgia	713	67.4	53.3	25.8	53.3	25.8	20.0	0.9	71.2	63.7
Hong Kong SAR	646	71.2	62.1	25.1	62.1	25.1	12.5	0.3	75.7	67.0
Hungary	787	77.7	69.1	19.9	69.1	19.9	11.0	0.0	80.0	75.4
Ireland	715	87.6	81.0	11.4	81.0	11.4	7.6	0.0	93.5	82.5
Israel	744	62.5	51.6	31.0	51.6	31.0	16.2	1.3	64.5	60.4
Italy	669	72.2	63.9	24.6	63.9	24.6	11.4	0.1	74.6	70.1
Japan	796	81.3	71.7	16.5	71.7	16.5	11.6	0.1	84.1	78.4
Jordan	588	54.6	42.8	35.6	42.8	35.6	21.3	0.3	50.6	58.6
Kazakhstan	925	70.4	61.5	25.8	61.5	25.8	12.2	0.5	72.8	68.2
Korea, Rep. of	848	72.7	63.3	23.8	63.3	23.8	12.5	0.3	74.7	70.4
Lithuania	795	89.4	84.0	10.0	84.0	10.0	6.1	0.0	90.3	88.3
Malaysia	1290	77.9	71.0	20.2	71.0	20.2	8.6	0.2	81.3	74.1
Malta	568	77.5	69.8	20.3	69.8	20.3	9.3	0.5	81.0	73.5
Morocco	757	48.8	34.3	36.0	34.3	36.0	28.6	1.1	40.1	56.2
New Zealand	582	81.8	67.4	15.0	67.4	15.0	17.4	0.2	86.3	78.2
Norway (9)	914	81.0	68.4	16.0	68.4	16.0	14.3	1.3	83.5	78.5
Oman	704	73.8	59.1	21.0	59.1	21.0	19.7	0.3	78.5	69.0
Palestinian Nat'l Auth.	555	38.3	27.8	44.9	27.8	44.9	27.1	0.2	36.2	40.2
Portugal	785	74.4	66.5	22.8	66.5	22.8	10.1	0.6	72.6	76.1
Qatar	623	79.0	66.1	17.5	66.1	17.5	15.8	0.6	81.3	77.0
Romania	532	73.3	57.5	20.9	57.5	20.9	20.6	1.1	75.9	71.1
Saudi Arabia	515	63.7	49.6	28.2	49.6	28.2	22.0	0.3	70.9	57.1
Singapore	963	78.3	72.6	20.1	72.6	20.1	7.3	0.0	83.4	73.3
Sweden	733	78.9	66.3	17.8	66.3	17.8	14.9	1.0	81.0	76.8
Turkiye	709	57.4	52.2	38.7	52.2	38.7	9.1	0.0	61.2	53.3
United Arab Emirates	4013	75.3	62.5	20.5	62.5	20.5	16.0	1.0	77.0	73.6
United States	1104	79.7	66.4	16.9	66.4	16.9	15.1	1.6	80.5	78.9
Uzbekistan	634	48.9	34.7	36.2	34.7	36.2	28.7	0.3	47.2	50.7
International Avg. (40)	36703	72.1	61.2	23.0	61.2	23.0	15.2	0.5	74.1	70.1
Abu Dhabi, UAE	1045	70.8	57.9	23.9	57.9	23.9	17.0	1.2	71.1	70.5
Dubai, UAE	1169	78.9	69.1	18.5	69.1	18.5	11.6	0.8	81.3	76.5
Sharjah, UAE	920	78.5	65.2	17.9	65.2	17.9	15.8	1.1	79.7	77.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MD4_03AC MQ72D02AC: Relationship Between Foot Length and Leg Height - 78 (EXCLUDED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	82.3	70.4	15.2	70.4	15.2	14.1	0.3	85.2	79.5
Austria	671	83.9	79.7	15.3	79.7	15.3	4.6	0.3	85.3	82.5
Azerbaijan	885	65.5	38.0	20.0	38.0	20.0	40.3	1.7	66.4	64.7
Bahrain	748	64.5	54.9	30.3	54.9	30.3	14.4	0.4	65.9	62.8
Brazil	3310	52.2	39.3	36.0	39.3	36.0	23.4	1.3	51.1	53.2
Chile	621	71.2	58.3	23.6	58.3	23.6	16.0	2.0	71.0	71.4
Chinese Taipei	1111	76.9	71.5	21.5	71.5	21.5	7.0	0.0	80.8	73.1
Cyprus	610	76.0	62.9	19.8	62.9	19.8	17.0	0.3	78.1	73.9
Czech Republic	1195	70.8	64.9	26.8	64.9	26.8	8.3	0.1	73.6	68.1
England	616	84.1	74.6	14.1	74.6	14.1	11.0	0.2	84.0	84.1
Finland	855	75.6	63.1	20.3	63.1	20.3	16.5	0.1	80.2	71.1
France	655	82.0	73.4	16.1	73.4	16.1	9.9	0.6	82.4	81.6
Georgia	713	66.1	52.2	26.8	52.2	26.8	20.0	0.9	69.3	63.0
Hong Kong SAR	646	71.4	62.3	24.9	62.3	24.9	12.5	0.3	75.2	67.8
Hungary	787	76.3	67.9	21.1	67.9	21.1	11.0	0.0	78.6	74.1
Ireland	715	86.7	80.1	12.3	80.1	12.3	7.6	0.0	91.5	82.5
Israel	744	61.6	50.8	31.7	50.8	31.7	16.2	1.3	63.2	59.8
Italy	669	73.2	64.7	23.7	64.7	23.7	11.4	0.1	75.0	71.6
Japan	796	79.9	70.5	17.7	70.5	17.7	11.6	0.1	82.1	77.7
Jordan	588	50.9	39.9	38.5	39.9	38.5	21.3	0.3	51.5	50.3
Kazakhstan	925	70.8	61.8	25.5	61.8	25.5	12.2	0.5	73.9	67.9
Korea, Rep. of	848	75.8	66.0	21.1	66.0	21.1	12.5	0.3	78.4	72.8
Lithuania	795	88.2	82.9	11.1	82.9	11.1	6.1	0.0	88.0	88.5
Malaysia	1290	76.9	70.1	21.1	70.1	21.1	8.6	0.2	80.6	73.0
Malta	568	76.3	68.8	21.3	68.8	21.3	9.3	0.5	79.9	72.4
Morocco	757	47.7	33.5	36.8	33.5	36.8	28.6	1.1	41.9	52.6
New Zealand	582	79.3	65.4	17.0	65.4	17.0	17.4	0.2	82.8	76.7
Norway (9)	914	80.6	68.0	16.4	68.0	16.4	14.3	1.3	83.4	77.8
Oman	704	64.2	51.4	28.7	51.4	28.7	19.7	0.3	65.8	62.6
Palestinian Nat'l Auth.	555	39.0	28.4	44.4	28.4	44.4	27.1	0.2	33.8	43.9
Portugal	785	73.0	65.2	24.1	65.2	24.1	10.1	0.6	71.4	74.4
Qatar	623	57.0	47.7	36.0	47.7	36.0	15.8	0.6	54.8	59.0
Romania	532	73.0	57.2	21.1	57.2	21.1	20.6	1.1	74.3	72.0
Saudi Arabia	515	55.0	42.8	35.0	42.8	35.0	22.0	0.3	64.0	46.7
Singapore	963	78.4	72.7	20.0	72.7	20.0	7.3	0.0	83.7	73.2
Sweden	733	77.3	65.0	19.1	65.0	19.1	14.9	1.0	78.9	75.8
Turkiye	709	56.2	51.1	39.8	51.1	39.8	9.1	0.0	59.0	53.2
United Arab Emirates	4013	66.9	55.5	27.5	55.5	27.5	16.0	1.0	68.2	65.4
United States	1104	80.4	67.0	16.3	67.0	16.3	15.1	1.6	81.3	79.5
Uzbekistan	634	48.4	34.3	36.7	34.3	36.7	28.7	0.3	46.0	50.8
International Avg. (40)	36703	70.4	59.9	24.4	59.9	24.4	15.2	0.5	72.0	68.8
Abu Dhabi, UAE	1045	67.6	55.3	26.5	55.3	26.5	17.0	1.2	68.9	66.0
Dubai, UAE	1169	74.7	65.5	22.1	65.5	22.1	11.6	0.8	77.1	72.3
Sharjah, UAE	920	65.5	54.4	28.7	54.4	28.7	15.8	1.1	66.1	64.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD4_03B MQ72D02B: Relationship Between Foot Length and Leg Height - formula - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1217	30.9	25.4	56.9	25.4	56.9	17.1	0.6	29.7	31.9
Austria	669	28.5	18.8	47.2	18.8	47.2	33.5	0.5	26.7	30.1
Azerbaijan	885	20.6	9.9	38.3	9.9	38.3	49.3	2.4	26.8	15.8
Bahrain	747	16.1	12.6	65.7	12.6	65.7	21.2	0.5	17.3	15.0
Brazil	3305	4.0	3.2	75.7	3.2	75.7	19.4	1.8	5.0	3.2
Chile	621	11.2	7.1	56.3	7.1	56.3	33.9	2.8	9.5	12.7
Chinese Taipei	1109	57.1	51.4	38.6	51.4	38.6	10.1	0.0	56.9	57.3
Cyprus	610	27.8	20.0	52.0	20.0	52.0	27.4	0.6	29.9	25.8
Czech Republic	1193	35.7	24.9	44.8	24.9	44.8	30.1	0.3	37.3	34.3
England	616	38.2	27.5	44.4	27.5	44.4	27.4	0.7	31.5	44.3
Finland	854	24.9	18.4	55.4	18.4	55.4	25.5	0.7	23.8	25.9
France	655	22.4	15.4	53.5	15.4	53.5	30.3	0.8	21.3	23.4
Georgia	0	.	.	.	.	.	.	.	.	.
Hong Kong SAR	642	51.1	43.7	41.8	43.7	41.8	14.2	0.3	54.1	48.5
Hungary	787	38.8	31.7	50.1	31.7	50.1	18.2	0.0	44.8	33.2
Ireland	715	35.4	25.1	45.9	25.1	45.9	28.9	0.1	35.1	35.7
Israel	744	29.2	20.8	50.5	20.8	50.5	27.2	1.4	29.4	29.0
Italy	668	36.2	24.1	42.4	24.1	42.4	33.1	0.4	30.5	41.4
Japan	796	49.4	41.5	42.5	41.5	42.5	15.9	0.1	44.5	54.5
Jordan	588	9.5	8.0	76.4	8.0	76.4	15.2	0.5	8.7	10.1
Kazakhstan	924	23.2	17.0	56.2	17.0	56.2	26.0	0.9	25.6	20.9
Korea, Rep. of	846	48.2	39.4	42.3	39.4	42.3	17.9	0.3	45.5	51.2
Lithuania	795	36.4	23.9	41.7	23.9	41.7	34.2	0.2	33.7	39.1
Malaysia	1290	5.5	5.2	89.2	5.2	89.2	5.4	0.2	5.8	5.3
Malta	568	26.0	20.4	58.2	20.4	58.2	20.7	0.7	21.5	31.0
Morocco	757	6.4	4.6	67.3	4.6	67.3	26.2	1.9	5.3	7.4
New Zealand	581	26.0	20.9	59.4	20.9	59.4	19.5	0.2	24.3	27.3
Norway (9)	914	30.3	19.9	45.7	19.9	45.7	32.6	1.8	29.8	30.8
Oman	703	9.5	7.9	75.1	7.9	75.1	16.8	0.3	7.5	11.3
Palestinian Nat'l Auth.	554	6.7	5.8	80.1	5.8	80.1	13.9	0.2	5.8	7.5
Portugal	783	23.8	17.1	54.7	17.1	54.7	27.2	0.9	18.7	28.3
Qatar	620	19.8	16.6	67.0	16.6	67.0	15.7	0.7	20.0	19.6
Romania	531	33.5	25.2	49.9	25.2	49.9	23.6	1.3	33.7	33.4
Saudi Arabia	513	8.2	7.2	80.9	7.2	80.9	11.6	0.3	8.6	7.9
Singapore	963	56.7	54.3	41.4	54.3	41.4	4.2	0.0	55.7	57.8
Sweden	732	37.5	26.5	44.1	26.5	44.1	27.9	1.5	36.1	38.7
Turkiye	708	19.7	12.3	50.4	12.3	50.4	37.2	0.0	16.4	22.9
United Arab Emirates	4013	32.4	27.1	56.4	27.1	56.4	15.3	1.2	32.7	32.2
United States	1104	24.7	23.0	69.9	23.0	69.9	5.4	1.8	22.5	26.9
Uzbekistan	633	7.5	5.3	65.5	5.3	65.5	28.3	0.9	8.5	6.6
International Avg. (39)	35953	26.9	20.7	55.7	20.7	55.7	22.7	0.8	26.2	27.6
Abu Dhabi, UAE	1045	19.9	16.5	66.6	16.5	66.6	15.6	1.3	18.5	21.2
Dubai, UAE	1169	47.6	39.5	43.5	39.5	43.5	16.3	0.8	46.7	48.5
Sharjah, UAE	920	34.9	29.1	54.4	29.1	54.4	15.1	1.4	36.7	33.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying
B_MD4_04 MQ72D03: Leg Height - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	24.3	21.9	2.2	66.0	21.9	68.2	9.1	0.9	24.1	24.4
Austria	671	36.7	33.5	3.1	54.7	33.5	57.8	8.2	0.5	38.3	35.2
Azerbaijan	885	31.8	26.0	5.8	50.1	26.0	55.9	15.4	2.7	34.8	29.0
Bahrain	747	11.5	10.8	5.6	77.8	10.8	83.5	4.8	1.0	12.1	10.8
Brazil	3309	4.4	3.8	1.0	82.0	3.8	83.1	10.8	2.4	3.4	5.2
Chile	621	6.9	5.5	3.5	70.9	5.5	74.5	16.0	4.1	5.1	8.4
Chinese Taipei	1111	61.7	61.2	1.0	37.0	61.2	38.0	0.6	0.1	62.8	60.6
Cyprus	610	18.6	16.3	2.6	68.5	16.3	71.1	12.1	0.6	21.1	16.1
Czech Republic	1195	21.8	18.4	3.6	62.2	18.4	65.8	15.4	0.4	22.9	20.9
England	616	36.2	30.7	2.6	51.7	30.7	54.3	13.9	1.1	31.6	40.7
Finland	854	17.6	15.0	0.9	69.1	15.0	70.0	14.0	1.0	18.6	16.7
France	651	7.6	6.3	2.9	73.4	6.3	76.3	16.5	1.0	3.6	11.6
Georgia	713	20.7	16.7	3.7	60.2	16.7	63.9	16.6	2.8	21.7	19.8
Hong Kong SAR	646	61.9	59.5	3.0	33.6	59.5	36.6	3.6	0.3	65.8	58.2
Hungary	787	25.6	24.1	2.7	67.5	24.1	70.3	5.6	0.0	28.4	22.9
Ireland	715	18.6	16.2	2.7	68.1	16.2	70.8	12.9	0.1	17.1	19.9
Israel	744	27.5	22.8	1.8	58.3	22.8	60.1	14.9	2.1	25.9	29.2
Italy	669	14.4	12.0	5.2	66.0	12.0	71.2	16.3	0.5	10.3	18.2
Japan	796	45.1	42.0	0.7	50.4	42.0	51.1	6.8	0.1	41.1	49.4
Jordan	587	10.4	9.9	2.9	82.9	9.9	85.7	3.6	0.7	13.1	7.9
Kazakhstan	925	22.2	20.4	7.5	64.3	20.4	71.9	6.4	1.3	23.5	20.9
Korea, Rep. of	848	59.2	57.2	0.3	39.1	57.2	39.5	2.9	0.5	56.5	62.1
Lithuania	795	21.2	18.5	4.7	64.0	18.5	68.7	12.5	0.3	21.5	20.9
Malaysia	1290	9.3	9.1	3.1	86.3	9.1	89.3	1.1	0.4	9.3	9.3
Malta	568	25.1	22.9	6.0	62.1	22.9	68.2	8.1	0.9	21.0	29.7
Morocco	756	4.1	3.5	4.0	78.6	3.5	82.6	11.0	2.9	3.4	4.6
New Zealand	582	16.7	15.2	0.5	75.5	15.2	76.0	8.5	0.3	11.4	20.6
Norway (9)	914	19.1	14.6	1.3	60.7	14.6	61.9	20.6	2.9	18.2	19.9
Oman	704	5.5	5.2	5.8	83.5	5.2	89.3	5.0	0.4	5.0	6.0
Palestinian Nat'l Auth.	554	4.5	4.4	1.1	90.4	4.4	91.5	4.0	0.2	4.2	4.9
Portugal	784	11.4	9.7	5.3	70.0	9.7	75.4	13.6	1.3	9.3	13.3
Qatar	623	13.1	12.5	3.6	79.0	12.5	82.5	3.9	1.1	8.5	17.2
Romania	532	34.9	32.4	3.1	57.3	32.4	60.4	5.4	1.7	35.8	34.2
Saudi Arabia	514	3.2	3.1	3.9	89.4	3.1	93.3	3.2	0.4	1.7	4.5
Singapore	963	58.0	57.3	2.3	39.3	57.3	41.5	1.0	0.1	58.3	57.6
Sweden	733	31.2	26.5	0.8	57.6	26.5	58.4	12.6	2.5	29.9	32.4
Turkiye	709	29.8	27.4	1.6	62.7	27.4	64.4	8.3	0.0	29.3	30.4
United Arab Emirates	4013	29.0	27.5	6.6	60.5	27.5	67.1	4.0	1.4	28.3	29.8
United States	1104	21.8	20.9	3.9	70.9	20.9	74.8	2.3	2.0	18.6	24.9
Uzbekistan	634	15.8	14.5	6.9	70.4	14.5	77.3	6.9	1.3	13.7	18.0
International Avg. (40)	36691	23.5	21.4	3.2	65.3	21.4	68.6	9.0	1.1	22.7	24.2
Abu Dhabi, UAE	1045	18.7	17.6	5.3	71.3	17.6	76.6	4.2	1.5	16.5	20.8
Dubai, UAE	1169	41.6	39.7	3.8	51.8	39.7	55.6	3.5	1.2	42.4	41.0
Sharjah, UAE	920	29.9	27.9	8.6	56.9	27.9	65.4	5.0	1.7	29.5	30.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MD4_05 MQ72D04: Identifying Left and Right Footprints (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	55.8	41.0	13.6	43.2	54.6	43.2	1.3	0.9	60.5	51.5
Austria	671	42.4	35.2	6.2	56.3	41.4	56.3	1.8	0.5	42.1	42.6
Azerbaijan	885	29.2	15.5	7.3	55.6	22.9	55.6	18.6	2.9	27.6	30.5
Bahrain	748	23.3	14.9	7.1	72.5	22.0	72.5	4.3	1.2	23.4	23.1
Brazil	3310	15.9	8.0	6.8	78.4	14.8	78.4	4.2	2.5	15.6	16.2
Chile	621	21.8	13.6	5.3	68.1	18.9	68.1	8.9	4.1	21.4	22.1
Chinese Taipei	1110	64.4	55.5	8.2	35.2	63.7	35.2	0.9	0.1	67.1	61.7
Cyprus	610	57.8	40.2	15.7	40.9	56.0	40.9	2.4	0.7	60.3	55.2
Czech Republic	1193	45.9	35.4	7.9	51.1	43.3	51.1	5.1	0.4	46.5	45.2
England	616	48.7	38.0	8.4	48.8	46.4	48.8	3.7	1.1	48.8	48.7
Finland	854	46.3	35.1	9.5	51.7	44.6	51.7	2.3	1.4	50.6	42.2
France	654	36.9	27.3	7.6	59.8	35.0	59.8	4.3	0.9	37.7	36.1
Georgia	713	28.4	17.5	6.6	61.0	24.1	61.0	11.8	3.1	32.7	24.4
Hong Kong SAR	646	61.5	47.6	13.1	37.9	60.6	37.9	1.1	0.3	60.5	62.5
Hungary	787	43.5	33.4	9.4	55.4	42.7	55.4	1.8	0.0	43.5	43.5
Ireland	715	49.2	41.0	7.4	50.1	48.5	50.1	1.3	0.1	52.8	46.0
Israel	744	36.6	24.6	7.8	56.0	32.4	56.0	8.5	3.1	37.9	35.3
Italy	669	47.0	35.2	9.5	50.3	44.6	50.3	4.6	0.5	45.5	48.4
Japan	796	59.9	46.1	12.9	39.5	59.0	39.5	1.3	0.1	60.1	59.7
Jordan	588	13.8	7.3	5.9	82.3	13.1	82.3	3.6	1.0	11.0	16.3
Kazakhstan	925	32.9	18.9	11.5	62.2	30.4	62.2	5.9	1.5	31.6	34.0
Korea, Rep. of	848	53.9	42.7	10.3	45.4	53.1	45.4	0.9	0.6	52.5	55.4
Lithuania	795	47.3	37.9	7.8	51.0	45.7	51.0	3.0	0.3	47.7	46.9
Malaysia	1290	25.0	16.6	8.0	73.5	24.5	73.5	1.4	0.6	25.8	24.2
Malta	568	48.9	37.6	9.3	49.0	46.9	49.0	3.2	0.9	48.8	49.0
Morocco	757	26.9	11.1	13.2	65.9	24.3	65.9	7.0	2.9	25.3	28.4
New Zealand	582	37.4	25.6	11.2	61.5	36.8	61.5	1.4	0.3	36.5	38.1
Norway (9)	914	38.7	25.1	9.1	54.2	34.2	54.2	8.2	3.3	41.2	36.4
Oman	704	18.5	8.7	8.8	77.0	17.5	77.0	4.3	1.2	15.6	21.3
Palestinian Nat'l Auth.	555	20.8	8.0	11.9	75.3	19.8	75.3	4.7	0.2	21.1	20.6
Portugal	784	42.1	31.5	8.9	55.6	40.4	55.6	2.2	1.7	40.6	43.4
Qatar	623	29.3	21.0	7.3	68.2	28.3	68.2	2.4	1.1	30.5	28.3
Romania	532	54.4	39.9	11.8	43.3	51.7	43.3	3.3	1.7	52.0	56.6
Saudi Arabia	514	19.4	10.4	8.2	77.2	18.5	77.2	3.6	0.6	23.2	16.1
Singapore	963	71.3	61.1	9.7	28.5	70.8	28.5	0.4	0.2	75.0	67.6
Sweden	733	45.5	35.2	8.0	51.7	43.2	51.7	2.2	2.9	47.1	44.0
Turkiye	709	37.3	28.9	7.3	60.9	36.2	60.9	2.9	0.0	37.2	37.4
United Arab Emirates	4011	40.1	27.8	9.1	55.2	36.9	55.2	6.1	1.8	40.7	39.4
United States	1104	44.7	34.1	9.2	53.5	43.3	53.5	1.1	2.1	42.2	47.3
Uzbekistan	634	22.3	10.3	9.5	69.0	19.8	69.0	9.7	1.5	19.3	25.3
International Avg. (40)	36694	39.6	28.6	9.2	56.8	37.8	56.8	4.1	1.3	40.0	39.3
Abu Dhabi, UAE	1044	34.9	22.1	10.1	60.1	32.2	60.1	6.1	1.7	34.4	35.3
Dubai, UAE	1169	49.9	38.0	8.4	46.5	46.3	46.5	5.5	1.7	52.9	47.2
Sharjah, UAE	919	39.7	26.3	9.8	54.8	36.0	54.8	6.6	2.5	37.5	41.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MD4_05A MQ72D04A: Identifying Left and Right Footprints - bottom angle - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	57.0	54.6	41.1	54.6	41.1	3.4	0.9	62.5	52.0
Austria	671	45.9	41.4	48.7	41.4	48.7	9.4	0.5	46.2	45.7
Azerbaijan	885	33.2	22.9	46.1	22.9	46.1	28.1	2.9	31.5	34.5
Bahrain	748	24.4	22.0	68.1	22.0	68.1	8.7	1.2	25.2	23.7
Brazil	3310	16.8	14.8	73.8	14.8	73.8	8.8	2.5	16.5	17.0
Chile	621	23.9	18.9	60.4	18.9	60.4	16.6	4.1	23.9	23.8
Chinese Taipei	1110	65.1	63.7	34.1	63.7	34.1	2.1	0.1	67.1	63.1
Cyprus	610	59.2	56.0	38.5	56.0	38.5	4.8	0.7	62.4	56.1
Czech Republic	1193	47.4	43.3	48.0	43.3	48.0	8.3	0.4	48.5	46.5
England	616	50.4	46.4	45.6	46.4	45.6	6.8	1.1	51.0	49.9
Finland	854	48.0	44.6	48.4	44.6	48.4	5.6	1.4	52.2	43.9
France	654	39.0	35.0	54.6	35.0	54.6	9.5	0.9	39.3	38.7
Georgia	713	31.4	24.1	52.7	24.1	52.7	20.0	3.1	35.7	27.3
Hong Kong SAR	646	63.7	60.6	34.6	60.6	34.6	4.5	0.3	62.8	64.5
Hungary	787	44.7	42.7	52.8	42.7	52.8	4.4	0.0	45.4	44.1
Ireland	715	51.1	48.5	46.3	48.5	46.3	5.1	0.1	53.8	48.8
Israel	744	38.4	32.4	52.0	32.4	52.0	12.5	3.1	40.1	36.6
Italy	669	49.8	44.6	44.9	44.6	44.9	9.9	0.5	47.4	52.1
Japan	796	63.1	59.0	34.6	59.0	34.6	6.3	0.1	62.6	63.6
Jordan	588	14.1	13.1	80.0	13.1	80.0	5.9	1.0	11.3	16.7
Kazakhstan	925	34.7	30.4	57.4	30.4	57.4	10.7	1.5	34.1	35.1
Korea, Rep. of	848	54.5	53.1	44.4	53.1	44.4	1.9	0.6	53.2	55.8
Lithuania	795	50.1	45.7	45.6	45.7	45.6	8.4	0.3	50.8	49.3
Malaysia	1290	25.2	24.5	72.7	24.5	72.7	2.2	0.6	26.1	24.3
Malta	568	50.1	46.9	46.8	46.9	46.8	5.4	0.9	50.0	50.1
Morocco	757	28.7	24.3	60.2	24.3	60.2	12.6	2.9	27.1	30.2
New Zealand	582	37.7	36.8	60.8	36.8	60.8	2.1	0.3	37.0	38.2
Norway (9)	914	41.6	34.2	48.1	34.2	48.1	14.3	3.3	44.3	39.1
Oman	704	19.1	17.5	74.3	17.5	74.3	7.0	1.2	16.0	22.1
Palestinian Nat'l Auth.	555	21.4	19.8	72.8	19.8	72.8	7.2	0.2	21.6	21.2
Portugal	784	44.3	40.4	50.8	40.4	50.8	7.0	1.7	43.2	45.3
Qatar	623	30.4	28.3	64.9	28.3	64.9	5.8	1.1	31.9	29.0
Romania	532	55.9	51.7	40.8	51.7	40.8	5.8	1.7	53.6	58.0
Saudi Arabia	514	19.9	18.5	74.8	18.5	74.8	6.0	0.6	23.9	16.5
Singapore	963	71.7	70.8	27.9	70.8	27.9	1.1	0.2	75.5	68.0
Sweden	733	46.7	43.2	49.2	43.2	49.2	4.7	2.9	48.3	45.3
Turkiye	709	39.1	36.2	56.4	36.2	56.4	7.4	0.0	39.7	38.4
United Arab Emirates	4011	41.1	36.9	52.9	36.9	52.9	8.4	1.8	42.1	40.2
United States	1104	45.1	43.3	52.8	43.3	52.8	1.8	2.1	42.4	47.7
Uzbekistan	634	24.1	19.8	62.5	19.8	62.5	16.2	1.5	21.0	27.1
International Avg. (40)	36694	41.2	37.8	53.0	37.8	53.0	7.9	1.3	41.7	40.7
Abu Dhabi, UAE	1044	35.4	32.2	58.8	32.2	58.8	7.4	1.7	35.2	35.5
Dubai, UAE	1169	51.3	46.3	44.0	46.3	44.0	8.0	1.7	54.4	48.4
Sharjah, UAE	919	40.9	36.0	52.2	36.0	52.2	9.3	2.5	38.9	42.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MD4_05B MQ72D04B: Identifying Left and Right Footprints - foot - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	75.1	22.9	69.0	7.2	0.9	73.8	76.2
Austria	671	78.1	20.8	74.3	4.5	0.5	79.6	76.6
Azerbaijan	885	59.1	29.0	42.0	26.1	2.9	59.0	59.2
Bahrain	748	56.1	38.2	48.9	11.7	1.2	58.5	53.5
Brazil	3310	51.9	40.6	43.8	13.1	2.5	48.7	54.7
Chile	621	59.6	33.4	49.3	13.2	4.1	59.2	59.9
Chinese Taipei	1111	85.5	14.0	82.3	3.6	0.1	86.9	84.1
Cyprus	610	69.4	28.4	64.3	6.6	0.7	69.9	68.8
Czech Republic	1195	77.5	20.7	71.4	7.5	0.4	78.1	76.9
England	616	74.7	23.2	68.3	7.4	1.1	71.8	77.5
Finland	855	70.7	26.9	64.9	6.8	1.4	70.1	71.3
France	655	70.5	27.4	65.6	6.1	0.9	70.1	70.9
Georgia	713	62.2	30.1	49.5	17.2	3.1	61.4	62.9
Hong Kong SAR	646	74.6	23.9	70.1	5.6	0.3	71.1	77.8
Hungary	787	70.5	27.9	66.6	5.5	0.0	72.7	68.2
Ireland	715	75.8	23.4	73.0	3.6	0.1	74.7	76.7
Israel	744	68.2	26.2	56.1	14.6	3.1	68.6	67.7
Italy	669	69.2	28.7	64.4	6.5	0.5	67.6	70.6
Japan	796	78.6	20.7	75.9	3.3	0.1	76.8	80.5
Jordan	588	46.8	45.5	40.1	13.5	1.0	47.0	46.6
Kazakhstan	925	58.5	37.3	52.6	8.7	1.5	56.5	60.3
Korea, Rep. of	848	80.0	19.2	76.9	3.3	0.6	80.3	79.7
Lithuania	795	73.8	24.8	69.8	5.1	0.3	76.4	71.2
Malaysia	1290	63.0	34.8	59.2	5.5	0.6	60.4	65.8
Malta	568	71.0	26.6	65.3	7.2	0.9	71.2	70.8
Morocco	757	47.1	39.3	35.1	22.7	2.9	40.0	53.8
New Zealand	582	66.4	30.8	60.8	8.0	0.3	62.0	69.5
Norway (9)	914	70.2	24.3	57.2	15.1	3.3	71.5	68.9
Oman	704	46.8	43.8	38.6	16.4	1.2	45.2	48.4
Palestinian Nat'l Auth.	555	40.2	48.0	32.3	19.6	0.2	37.1	43.4
Portugal	785	71.7	26.4	66.9	5.0	1.7	68.4	74.6
Qatar	623	60.7	35.7	55.1	8.1	1.1	64.0	57.7
Romania	532	70.6	26.0	62.5	9.8	1.7	74.7	66.8
Saudi Arabia	515	45.4	46.9	39.0	13.5	0.6	46.7	44.2
Singapore	963	83.6	15.9	80.6	3.4	0.2	82.9	84.2
Sweden	733	74.3	23.4	67.5	6.3	2.9	76.4	72.2
Turkiye	709	70.4	28.1	66.8	5.1	0.0	70.3	70.6
United Arab Emirates	4012	64.8	30.6	56.4	11.2	1.8	65.2	64.4
United States	1104	70.9	26.6	64.7	6.5	2.1	67.5	74.3
Uzbekistan	634	53.4	35.2	40.3	23.0	1.5	56.9	49.9
International Avg. (40)	36702	66.4	29.4	59.7	9.7	1.3	66.0	66.8
Abu Dhabi, UAE	1045	61.4	33.4	53.0	11.9	1.7	62.9	59.8
Dubai, UAE	1169	74.5	22.8	66.6	8.9	1.7	74.5	74.4
Sharjah, UAE	919	61.4	33.2	52.8	11.4	2.5	59.3	63.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Applying
B_MD4_06 MQ72D05: Trexy's Stride Length - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	30.1	29.6	19.0	49.8	29.6	68.8	0.7	0.9	27.6	32.4
Austria	671	37.6	36.9	22.4	38.8	36.9	61.2	1.4	0.6	33.6	41.5
Azerbaijan	885	16.2	13.9	9.8	62.2	13.9	72.1	10.1	4.0	11.3	20.3
Bahrain	747	12.4	12.0	12.3	72.5	12.0	84.8	2.0	1.2	14.9	10.0
Brazil	3308	6.9	6.4	13.5	73.7	6.4	87.2	3.6	2.8	4.8	8.7
Chile	621	9.2	8.1	15.9	64.1	8.1	80.1	7.1	4.6	7.6	10.8
Chinese Taipei	1111	48.4	48.1	10.3	41.1	48.1	51.4	0.3	0.1	50.0	46.7
Cyprus	609	21.4	20.2	23.4	51.0	20.2	74.4	4.4	0.9	22.5	20.3
Czech Republic	1195	52.4	51.4	14.1	32.6	51.4	46.7	1.5	0.4	50.3	54.3
England	616	40.8	39.6	19.5	38.1	39.6	57.6	1.7	1.1	35.6	45.9
Finland	852	38.7	37.0	12.8	45.8	37.0	58.6	3.0	1.4	37.5	39.9
France	654	31.2	30.1	21.5	45.1	30.1	66.6	2.1	1.1	26.9	35.5
Georgia	713	14.5	12.7	11.1	63.4	12.7	74.6	8.2	4.5	11.8	17.1
Hong Kong SAR	646	52.2	51.3	13.5	33.5	51.3	47.0	1.4	0.3	48.8	55.3
Hungary	787	38.7	38.7	15.6	45.7	38.7	61.2	0.1	0.0	36.9	40.4
Ireland	715	31.1	30.7	23.6	44.4	30.7	67.9	1.3	0.1	29.7	32.4
Israel	743	12.2	11.0	12.4	66.9	11.0	79.4	5.9	3.7	9.8	14.7
Italy	669	23.4	22.4	20.1	53.2	22.4	73.3	3.5	0.7	18.1	28.2
Japan	795	47.9	47.4	21.6	29.9	47.4	51.5	0.9	0.1	45.6	50.4
Jordan	587	2.2	2.2	7.3	88.6	2.2	95.9	1.0	1.0	2.1	2.4
Kazakhstan	925	20.9	20.0	10.8	65.1	20.0	75.8	2.6	1.6	18.5	23.2
Korea, Rep. of	848	44.4	43.7	13.6	41.1	43.7	54.7	0.9	0.6	44.2	44.7
Lithuania	795	44.6	43.6	14.8	39.3	43.6	54.1	1.8	0.5	39.4	50.1
Malaysia	1290	19.9	19.7	21.8	57.4	19.7	79.1	0.3	0.9	18.8	21.1
Malta	567	34.1	33.1	26.8	37.0	33.1	63.8	2.3	0.9	33.6	34.7
Morocco	756	8.0	7.5	23.6	62.2	7.5	85.8	3.1	3.7	5.6	10.2
New Zealand	582	29.9	29.1	20.0	48.3	29.1	68.3	2.1	0.5	23.4	34.7
Norway (9)	914	35.4	32.8	17.4	42.6	32.8	60.0	3.4	3.8	36.6	34.2
Oman	704	6.1	5.9	21.1	69.9	5.9	91.0	1.4	1.7	4.2	7.9
Palestinian Nat'l Auth.	553	1.7	1.7	4.1	91.6	1.7	95.7	2.2	0.5	0.8	2.5
Portugal	785	27.0	25.4	23.8	44.9	25.4	68.7	4.0	1.8	20.5	32.7
Qatar	623	17.6	17.0	16.5	63.3	17.0	79.8	2.1	1.1	15.1	19.7
Romania	532	19.0	18.0	8.7	68.1	18.0	76.8	2.8	2.4	14.4	23.1
Saudi Arabia	514	4.8	4.7	9.2	84.1	4.7	93.3	1.2	0.8	3.7	5.8
Singapore	963	43.5	43.4	27.9	28.5	43.4	56.4	0.0	0.2	41.2	45.7
Sweden	733	41.7	39.2	6.6	48.3	39.2	54.9	2.6	3.2	39.0	44.2
Turkiye	709	19.6	19.2	10.6	68.1	19.2	78.8	2.0	0.0	16.4	23.1
United Arab Emirates	4011	22.4	21.4	17.5	56.6	21.4	74.2	1.8	2.6	19.7	24.9
United States	1104	15.1	14.5	16.5	65.0	14.5	81.5	1.4	2.6	12.3	17.9
Uzbekistan	634	12.4	11.5	11.7	69.2	11.5	80.9	5.3	2.3	11.1	13.8
International Avg. (40)	36685	25.9	25.0	16.1	54.8	25.0	70.8	2.6	1.5	23.6	28.0
Abu Dhabi, UAE	1045	16.2	15.4	16.5	63.1	15.4	79.6	2.5	2.5	15.1	17.2
Dubai, UAE	1168	35.2	33.9	16.0	46.3	33.9	62.4	1.4	2.3	30.3	39.9
Sharjah, UAE	920	18.8	17.7	19.3	57.2	17.7	76.6	2.2	3.6	17.1	20.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD4_07A MQ72D06A: Ratio for a Dinosaur's Movement - shortest stride length - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	8.1	6.4	72.7	6.4	72.7	19.8	1.1	8.3	8.0
Austria	671	13.9	9.6	59.1	9.6	59.1	30.7	0.6	14.6	13.4
Azerbaijan	885	10.0	5.2	46.3	5.2	46.3	43.9	4.6	12.9	7.9
Bahrain	746	4.4	3.6	78.4	3.6	78.4	16.2	1.8	5.3	3.7
Brazil	3309	1.5	1.2	77.4	1.2	77.4	17.7	3.7	1.2	1.8
Chile	621	1.8	1.2	66.5	1.2	66.5	25.9	6.4	2.1	1.6
Chinese Taipei	1110	41.6	39.7	55.7	39.7	55.7	4.4	0.1	42.3	40.9
Cyprus	610	7.0	5.0	66.1	5.0	66.1	27.3	1.6	10.4	3.7
Czech Republic	1194	12.6	8.2	57.0	8.2	57.0	34.1	0.7	9.8	15.0
England	616	10.0	7.0	62.9	7.0	62.9	29.0	1.1	6.4	13.1
Finland	853	8.9	6.7	68.3	6.7	68.3	22.9	2.0	8.4	9.3
France	654	9.1	6.0	60.3	6.0	60.3	31.9	1.9	10.6	7.3
Georgia	712	6.8	4.1	56.1	4.1	56.1	33.9	5.9	6.6	7.0
Hong Kong SAR	646	22.5	19.2	66.4	19.2	66.4	14.1	0.3	19.4	25.2
Hungary	787	15.5	13.0	70.5	13.0	70.5	16.5	0.0	15.5	15.5
Ireland	715	10.0	6.6	58.8	6.6	58.8	34.3	0.4	11.1	9.2
Israel	744	8.4	5.9	64.7	5.9	64.7	24.7	4.7	9.3	7.4
Italy	669	6.1	3.8	58.5	3.8	58.5	36.9	0.8	7.7	4.6
Japan	796	34.2	27.3	52.6	27.3	52.6	19.9	0.1	26.7	41.6
Jordan	588	4.1	3.7	87.5	3.7	87.5	7.7	1.1	4.0	4.2
Kazakhstan	924	9.0	6.8	68.5	6.8	68.5	22.1	2.6	13.0	5.2
Korea, Rep. of	846	39.3	34.4	53.0	34.4	53.0	11.6	1.0	40.2	38.4
Lithuania	795	13.5	8.8	56.8	8.8	56.8	33.8	0.6	12.0	14.8
Malaysia	1290	2.3	2.2	92.8	2.2	92.8	3.9	1.1	1.8	2.7
Malta	567	5.9	4.5	72.1	4.5	72.1	22.5	0.9	5.2	6.6
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	581	5.2	4.1	75.3	4.1	75.3	19.6	0.9	2.2	7.4
Norway (9)	913	5.0	2.9	55.4	2.9	55.4	37.0	4.6	1.8	7.5
Oman	0	.	.	.	.	.	.	.	.	.
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	785	6.8	4.8	66.5	4.8	66.5	25.6	3.0	4.8	8.4
Qatar	623	5.1	4.3	79.6	4.3	79.6	14.2	1.8	3.6	6.4
Romania	531	15.0	11.9	67.5	11.9	67.5	17.4	3.2	16.1	14.1
Saudi Arabia	514	3.1	2.8	89.6	2.8	89.6	5.8	1.7	2.8	3.3
Singapore	962	33.6	32.0	63.2	32.0	63.2	4.5	0.2	31.6	35.7
Sweden	733	5.9	4.0	63.6	4.0	63.6	28.4	4.0	2.8	8.2
Turkiye	707	13.6	10.3	65.8	10.3	65.8	23.6	0.3	12.2	15.0
United Arab Emirates	4009	11.4	9.5	74.0	9.5	74.0	13.2	3.3	11.2	11.6
United States	1104	7.5	6.6	81.4	6.6	81.4	8.7	3.3	4.7	10.3
Uzbekistan	634	5.1	4.0	74.2	4.0	74.2	18.3	3.6	2.2	8.1
International Avg. (37)	34663	11.5	9.1	67.2	9.1	67.2	21.7	2.0	10.8	12.0
Abu Dhabi, UAE	1044	4.6	4.0	81.7	4.0	81.7	11.2	3.1	3.1	6.1
Dubai, UAE	1169	18.7	15.0	65.2	15.0	65.2	17.0	2.8	18.3	19.0
Sharjah, UAE	918	12.9	10.7	72.2	10.7	72.2	12.4	4.7	14.2	11.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD4_07B MQ72D06B: Ratio for a Dinosaur's Movement - longest stride length - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	6.2	4.8	73.0	4.8	73.0	19.3	2.8	6.2	6.2
Austria	671	13.3	8.9	57.6	8.9	57.6	32.1	1.4	11.7	14.7
Azerbaijan	885	8.7	4.5	47.2	4.5	47.2	41.0	7.3	9.4	8.1
Bahrain	747	3.9	3.2	78.9	3.2	78.9	14.8	3.2	4.0	3.8
Brazil	0	.	.	.	.	.	.	.	.	.
Chile	621	1.2	0.8	66.3	0.8	66.3	23.8	9.1	1.4	1.1
Chinese Taipei	1110	40.5	38.6	56.6	38.6	56.6	4.5	0.3	41.7	39.4
Cyprus	610	5.5	3.8	65.8	3.8	65.8	26.9	3.5	7.6	3.4
Czech Republic	1194	9.3	5.8	57.0	5.8	57.0	34.8	2.4	7.1	11.3
England	616	9.7	6.6	62.1	6.6	62.1	27.9	3.3	5.7	13.2
Finland	854	8.4	6.2	68.3	6.2	68.3	21.4	4.0	6.9	9.6
France	654	5.6	3.5	59.7	3.5	59.7	33.5	3.3	6.5	4.6
Georgia	712	6.0	3.5	54.8	3.5	54.8	31.7	9.9	5.4	6.5
Hong Kong SAR	644	20.8	17.7	67.3	17.7	67.3	14.4	0.5	17.2	24.1
Hungary	787	14.8	12.1	69.4	12.1	69.4	18.2	0.3	14.9	14.8
Ireland	714	8.6	5.5	58.2	5.5	58.2	34.6	1.8	8.7	8.5
Israel	744	5.6	3.9	65.9	3.9	65.9	23.1	7.1	5.4	5.7
Italy	669	6.9	4.2	56.5	4.2	56.5	36.5	2.9	9.0	5.2
Japan	796	31.6	25.0	54.0	25.0	54.0	20.1	0.9	23.3	40.0
Jordan	588	1.4	1.2	89.3	1.2	89.3	6.9	2.5	1.6	1.2
Kazakhstan	925	6.6	4.8	68.4	4.8	68.4	21.9	4.9	8.9	4.4
Korea, Rep. of	848	37.5	32.5	54.2	32.5	54.2	11.2	2.1	38.5	36.4
Lithuania	795	11.7	7.5	56.6	7.5	56.6	34.4	1.5	9.3	13.9
Malaysia	1290	1.4	1.4	93.2	1.4	93.2	3.3	2.2	0.8	2.1
Malta	568	5.9	4.5	71.1	4.5	71.1	22.7	1.7	5.2	6.7
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	581	3.8	3.0	76.2	3.0	76.2	18.1	2.8	1.3	5.5
Norway (9)	913	3.2	1.8	55.9	1.8	55.9	32.3	10.0	1.3	4.6
Oman	0	.	.	.	.	.	.	.	.	.
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	785	5.5	3.9	66.6	3.9	66.6	25.2	4.3	4.0	6.7
Qatar	623	3.7	3.1	80.2	3.1	80.2	13.6	3.1	2.5	4.8
Romania	531	13.5	10.7	68.6	10.7	68.6	15.5	5.2	15.9	11.5
Saudi Arabia	513	0.7	0.7	90.9	0.7	90.9	5.3	3.0	0.6	0.8
Singapore	962	33.7	31.8	62.5	31.8	62.5	5.1	0.6	31.9	35.5
Sweden	733	5.6	3.7	62.9	3.7	62.9	27.8	5.6	1.4	8.6
Turkiye	708	12.5	9.4	65.9	9.4	65.9	24.1	0.6	11.3	13.6
United Arab Emirates	4013	10.2	8.4	73.9	8.4	73.9	12.5	5.2	10.5	10.0
United States	1104	6.4	5.6	82.3	5.6	82.3	7.2	4.8	4.2	8.6
Uzbekistan	634	3.0	2.3	74.2	2.3	74.2	17.1	6.4	1.3	4.8
International Avg. (36)	31361	10.4	8.2	67.0	8.2	67.0	21.2	3.6	9.5	11.1
Abu Dhabi, UAE	1045	3.1	2.6	82.0	2.6	82.0	10.7	4.7	2.3	3.8
Dubai, UAE	1169	17.1	13.6	65.6	13.6	65.6	15.4	5.4	17.4	16.8
Sharjah, UAE	920	13.2	10.7	70.7	10.7	70.7	12.9	5.7	13.9	12.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD4_08A MQ72D07A: Trexy's Running Speed - running speed - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	24.0	19.4	61.7	19.4	61.7	16.1	2.8	28.4	20.1
Austria	671	49.0	40.7	42.3	40.7	42.3	15.5	1.4	52.6	45.7
Azerbaijan	884	7.9	3.6	42.6	3.6	42.6	46.4	7.4	9.1	6.8
Bahrain	748	9.4	7.4	70.7	7.4	70.7	18.7	3.2	13.1	6.2
Brazil	3307	2.2	1.6	72.1	1.6	72.1	19.4	6.9	1.8	2.6
Chile	620	3.9	2.5	61.3	2.5	61.3	27.1	9.1	4.1	3.8
Chinese Taipei	0	.	.	.	.	.	.	.	.	.
Cyprus	610	19.8	14.8	60.1	14.8	60.1	21.5	3.5	25.1	14.4
Czech Republic	1195	31.0	22.7	50.5	22.7	50.5	24.3	2.5	31.3	30.8
England	506	28.6	21.2	53.0	21.2	53.0	22.2	3.7	31.5	25.7
Finland	853	22.0	17.4	62.0	17.4	62.0	16.5	4.0	23.6	20.4
France	653	13.8	9.4	58.3	9.4	58.3	29.0	3.3	14.9	12.7
Georgia	711	13.9	7.5	46.6	7.5	46.6	36.0	9.9	12.8	14.8
Hong Kong SAR	646	52.6	47.5	42.8	47.5	42.8	9.2	0.5	56.1	49.4
Hungary	787	23.0	19.5	65.4	19.5	65.4	14.8	0.3	26.4	19.9
Ireland	714	8.5	6.5	69.4	6.5	69.4	22.3	1.8	8.7	8.4
Israel	744	12.1	8.3	60.1	8.3	60.1	24.4	7.3	12.6	11.6
Italy	669	21.4	15.1	55.2	15.1	55.2	26.9	2.9	21.2	21.7
Japan	331	15.2	9.7	54.0	9.7	54.0	35.5	0.8	12.3	17.8
Jordan	588	5.2	4.2	76.0	4.2	76.0	17.3	2.5	5.8	4.7
Kazakhstan	925	13.8	10.1	63.2	10.1	63.2	21.5	5.2	18.6	9.2
Korea, Rep. of	847	25.6	19.7	57.2	19.7	57.2	20.8	2.3	26.7	24.4
Lithuania	795	24.1	17.2	54.3	17.2	54.3	26.9	1.5	24.6	23.6
Malaysia	1289	10.8	10.1	83.2	10.1	83.2	4.3	2.4	14.3	7.3
Malta	452	30.1	25.4	59.0	25.4	59.0	13.8	1.7	28.9	31.2
Morocco	757	2.4	1.6	62.9	1.6	62.9	29.3	6.3	4.1	0.9
New Zealand	577	13.9	11.0	67.9	11.0	67.9	18.4	2.8	13.0	14.6
Norway (9)	914	12.6	7.2	50.1	7.2	50.1	32.4	10.2	15.0	10.5
Oman	670	8.9	7.5	76.1	7.5	76.1	12.3	4.1	11.6	6.5
Palestinian Nat'l Auth.	554	3.1	2.7	82.8	2.7	82.8	12.9	1.6	4.1	2.2
Portugal	784	16.7	12.4	61.9	12.4	61.9	21.4	4.3	18.5	15.0
Qatar	502	11.7	9.8	73.5	9.8	73.5	12.9	3.9	9.1	14.0
Romania	532	16.4	11.7	59.7	11.7	59.7	23.4	5.2	13.1	19.3
Saudi Arabia	513	2.8	2.4	82.2	2.4	82.2	12.2	3.2	4.3	1.5
Singapore	963	57.6	55.7	41.0	55.7	41.0	2.8	0.6	61.0	54.3
Sweden	733	17.3	12.1	57.6	12.1	57.6	24.8	5.6	20.4	14.8
Turkiye	706	7.4	4.5	56.2	4.5	56.2	38.8	0.6	5.1	9.7
United Arab Emirates	3452	26.9	21.6	58.8	21.6	58.8	13.3	6.2	29.9	24.1
United States	1102	6.8	5.9	81.3	5.9	81.3	8.0	4.8	6.7	6.9
Uzbekistan	633	6.5	4.2	59.3	4.2	59.3	30.2	6.4	7.3	5.8
International Avg. (39)	34156	17.4	13.6	61.3	13.6	61.3	21.1	3.9	18.7	16.2
Abu Dhabi, UAE	949	16.9	13.9	68.2	13.9	68.2	12.6	5.3	19.1	14.9
Dubai, UAE	933	40.6	32.3	47.2	32.3	47.2	13.8	6.8	42.2	39.1
Sharjah, UAE	780	28.1	21.8	55.8	21.8	55.8	15.2	7.2	31.5	25.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD4_08B MQ72D07B: Trexy's Running Speed - faster dinosaur - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	11 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1219	13.4	9.0	5.5	0.7	75.1	9.0	6.2	75.1	6.9	2.8	13.7	13.2
Austria	671	14.1	10.6	4.8	0.2	77.3	10.6	5.0	77.3	5.7	1.4	11.3	16.7
Azerbaijan	885	4.3	1.9	2.6	0.2	73.8	1.9	2.8	73.8	13.8	7.6	5.2	3.5
Bahrain	748	5.6	4.4	0.7	0.7	84.3	4.4	1.4	84.3	6.4	3.5	6.0	5.2
Brazil	3310	1.4	0.3	1.4	0.4	84.0	0.3	1.8	84.0	6.3	7.7	1.7	1.2
Chile	621	4.5	2.7	1.5	0.0	72.6	2.7	1.5	72.6	13.0	10.1	5.2	3.8
Chinese Taipei	1111	30.5	25.6	6.5	2.4	63.9	25.6	8.9	63.9	1.4	0.3	31.6	29.5
Cyprus	610	12.0	9.5	2.8	0.0	78.1	9.5	2.8	78.1	5.8	3.9	13.2	11.0
Czech Republic	1195	10.6	7.9	3.1	0.2	78.4	7.9	3.3	78.4	7.3	3.1	10.8	10.4
England	505	19.2	14.2	5.2	0.7	69.4	14.2	5.9	69.4	6.4	4.0	19.7	18.7
Finland	854	10.3	7.0	4.2	0.4	78.5	7.0	4.6	78.5	5.3	4.6	8.6	11.9
France	655	7.3	4.3	3.8	0.4	79.1	4.3	4.2	79.1	8.6	3.9	6.9	7.6
Georgia	713	5.7	3.7	1.2	0.1	71.2	3.7	1.3	71.2	13.0	10.8	3.2	8.1
Hong Kong SAR	646	21.0	14.9	3.5	7.4	71.2	14.9	10.9	71.2	2.5	0.5	20.2	21.7
Hungary	787	10.7	7.9	4.5	0.3	84.0	7.9	4.8	84.0	2.8	0.4	12.2	9.2
Ireland	715	10.5	7.5	4.5	0.1	80.7	7.5	4.5	80.7	5.5	1.8	12.0	9.2
Israel	744	12.9	9.2	2.0	0.3	69.0	9.2	2.3	69.0	11.5	8.0	10.9	14.8
Italy	669	14.4	9.5	6.6	0.0	73.2	9.5	6.6	73.2	7.6	3.0	15.2	13.6
Japan	332	12.8	8.5	6.2	0.5	76.9	8.5	6.7	76.9	6.8	1.1	7.5	17.9
Jordan	588	1.5	0.0	2.8	0.0	92.6	0.0	2.8	92.6	2.1	2.5	2.2	0.8
Kazakhstan	925	6.0	3.9	2.7	0.1	81.0	3.9	2.7	81.0	6.1	6.2	7.6	4.6
Korea, Rep. of	848	20.6	13.7	9.1	1.2	67.7	13.7	10.4	67.7	5.7	2.5	18.4	22.9
Lithuania	795	9.2	5.6	5.5	0.2	80.5	5.6	5.7	80.5	6.6	1.5	7.7	10.8
Malaysia	1291	1.6	0.5	1.8	0.2	93.5	0.5	2.0	93.5	1.1	2.8	1.5	1.8
Malta	452	13.7	9.7	4.7	1.1	76.5	9.7	5.8	76.5	5.8	2.2	12.2	15.3
Morocco	757	12.1	10.9	0.0	0.0	79.3	10.9	0.0	79.3	3.3	6.6	9.8	14.1
New Zealand	582	9.8	7.5	1.8	1.1	80.1	7.5	2.9	80.1	6.4	3.2	10.1	9.6
Norway (9)	914	9.2	5.5	2.7	0.4	68.0	5.5	3.1	68.0	12.6	10.8	9.4	9.0
Oman	669	1.9	0.8	1.7	0.2	89.2	0.8	1.9	89.2	3.1	4.9	1.5	2.2
Palestinian Nat'l Auth.	555	2.0	1.4	0.6	0.2	91.0	1.4	0.8	91.0	4.8	2.0	2.4	1.5
Portugal	785	6.8	4.0	3.8	0.3	81.1	4.0	4.1	81.1	6.2	4.6	5.3	8.2
Qatar	502	5.9	4.5	1.8	0.0	85.9	4.5	1.8	85.9	3.4	4.4	6.3	5.5
Romania	531	7.6	5.1	2.9	0.1	79.1	5.1	3.0	79.1	6.6	6.1	5.9	9.1
Saudi Arabia	515	2.1	1.1	1.9	0.0	91.9	1.1	1.9	91.9	1.5	3.6	1.8	2.4
Singapore	963	30.0	24.5	6.2	3.9	63.7	24.5	10.1	63.7	1.0	0.7	29.7	30.4
Sweden	733	15.4	10.8	3.6	0.1	67.5	10.8	3.7	67.5	11.3	6.7	16.5	14.5
Turkiye	709	17.8	10.5	12.2	0.1	70.4	10.5	12.2	70.4	6.3	0.6	18.0	17.7
United Arab Emirates	3455	11.7	8.0	3.9	0.5	74.5	8.0	4.4	74.5	6.1	7.1	11.2	12.2
United States	1103	10.7	7.8	3.0	1.0	79.7	7.8	4.0	79.7	3.1	5.5	9.0	12.3
Uzbekistan	634	2.7	2.0	0.7	0.0	85.1	2.0	0.7	85.1	4.9	7.2	2.6	2.9
International Avg. (40)	35296	10.5	7.4	3.6	0.6	78.0	7.4	4.2	78.0	6.1	4.2	10.1	10.9
Abu Dhabi, UAE	950	6.3	4.4	2.2	0.2	81.7	4.4	2.4	81.7	5.6	6.0	6.4	6.2
Dubai, UAE	933	22.6	15.9	5.6	1.2	62.8	15.9	6.8	62.8	7.1	7.4	20.0	24.9
Sharjah, UAE	782	10.6	6.2	5.5	0.3	73.9	6.2	5.9	73.9	5.9	8.1	11.7	9.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MD4_09A MQ72D08A: How fast could Trexy run a 100 m race? - 40 meters - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1210	72.9	34.7	34.4	25.7	69.1	25.7	2.3	3.0	73.3	72.5
Austria	671	81.7	49.6	28.1	17.4	77.7	17.4	3.0	1.9	79.5	83.7
Azerbaijan	866	58.4	6.6	39.9	33.1	46.5	33.1	12.3	8.0	60.8	56.3
Bahrain	708	52.5	15.4	32.7	43.5	48.1	43.5	4.6	3.8	62.8	43.1
Brazil	3226	29.3	3.5	22.0	61.5	25.5	61.5	5.3	7.7	27.0	31.2
Chile	607	47.1	7.0	31.4	43.1	38.4	43.1	8.2	10.3	46.9	47.2
Chinese Taipei	1110	84.1	48.9	34.3	15.7	83.1	15.7	0.9	0.3	85.5	82.8
Cyprus	590	65.3	15.6	44.5	31.9	60.1	31.9	4.0	4.0	65.3	65.4
Czech Republic	1185	74.4	34.5	34.0	23.6	68.6	23.6	4.4	3.5	73.2	75.4
England	613	82.1	34.7	41.7	16.6	76.3	16.6	3.3	3.7	78.2	86.1
Finland	849	77.7	29.9	41.5	20.5	71.4	20.5	3.5	4.7	78.8	76.6
France	651	72.8	34.1	32.5	24.9	66.6	24.9	4.3	4.1	71.2	74.5
Georgia	701	55.7	7.3	36.7	34.9	44.0	34.9	10.1	11.0	56.1	55.4
Hong Kong SAR	644	79.3	27.5	49.4	20.1	76.9	20.1	2.4	0.7	79.4	79.2
Hungary	786	74.3	32.6	40.7	25.4	73.4	25.4	0.8	0.5	76.0	72.7
Ireland	710	78.9	31.2	45.4	20.5	76.6	20.5	1.1	1.8	81.6	76.6
Israel	743	69.3	25.9	33.6	26.4	59.5	26.4	6.1	8.0	70.6	67.8
Italy	667	73.8	20.7	48.2	24.4	68.9	24.4	3.6	3.1	73.8	73.8
Japan	795	85.6	21.4	61.1	13.9	82.5	13.9	2.5	1.1	84.1	87.1
Jordan	588	42.5	9.1	30.9	54.1	39.9	54.1	3.4	2.5	45.2	40.0
Kazakhstan	915	63.2	10.6	45.9	32.9	56.5	32.9	4.2	6.4	63.4	63.0
Korea, Rep. of	845	87.3	46.6	37.8	12.3	84.4	12.3	0.7	2.5	88.4	86.0
Lithuania	793	84.2	38.7	41.5	15.0	80.2	15.0	3.2	1.5	85.3	83.1
Malaysia	1284	47.0	15.8	28.9	50.4	44.7	50.4	1.9	3.0	46.0	48.0
Malta	568	66.6	31.6	31.7	31.7	63.3	31.7	2.4	2.6	68.1	65.0
Morocco	744	24.5	5.1	15.1	62.2	20.2	62.2	10.9	6.8	24.0	24.9
New Zealand	575	68.4	27.9	36.9	30.0	64.8	30.0	2.0	3.2	64.8	71.0
Norway (9)	887	64.3	13.0	38.9	28.8	51.9	28.8	8.1	11.2	63.9	64.7
Oman	702	54.9	14.1	36.5	41.5	50.5	41.5	3.0	5.0	60.1	50.1
Palestinian Nat'l Auth.	521	24.9	3.1	20.4	71.0	23.5	71.0	3.4	2.1	29.6	20.6
Portugal	784	74.1	24.1	43.0	23.5	67.1	23.5	4.4	5.0	72.1	75.8
Qatar	619	66.0	22.6	38.3	31.4	60.9	31.4	3.4	4.2	68.7	63.5
Romania	530	59.4	9.7	44.1	36.8	53.8	36.8	3.2	6.1	63.4	55.7
Saudi Arabia	477	36.5	5.8	28.6	59.9	34.5	59.9	2.2	3.5	41.4	32.5
Singapore	962	86.1	46.8	38.4	13.7	85.2	13.7	0.4	0.7	87.1	85.2
Sweden	733	75.1	32.3	34.2	22.0	66.5	22.0	4.5	7.0	75.4	74.9
Turkiye	705	63.3	35.2	24.8	34.8	60.1	34.8	4.6	0.6	61.0	65.9
United Arab Emirates	3997	68.4	26.9	35.0	28.6	61.9	28.6	3.0	6.6	71.5	65.5
United States	1101	72.8	30.6	36.6	25.1	67.2	25.1	2.2	5.5	72.8	72.9
Uzbekistan	625	41.4	3.9	32.3	51.3	36.2	51.3	5.0	7.5	39.4	43.4
International Avg. (40)	36287	64.7	23.4	36.3	32.0	59.7	32.0	4.0	4.4	65.4	64.0
Abu Dhabi, UAE	1038	61.0	23.9	32.1	35.8	56.0	35.8	2.5	5.7	64.4	57.7
Dubai, UAE	1166	78.4	35.6	35.2	19.5	70.9	19.5	2.9	6.8	79.1	77.8
Sharjah, UAE	918	70.4	23.0	39.5	26.3	62.5	26.3	3.9	7.3	72.1	68.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MD4_09B MQ72D08B: How fast could Trexy run a 100 m race? - entire race - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1217	42.1	38.7	53.3	38.7	53.3	3.6	4.5	40.0	43.9
Austria	671	39.9	37.1	55.8	37.1	55.8	4.5	2.6	39.2	40.6
Azerbaijan	882	16.8	12.0	59.3	12.0	59.3	16.4	12.3	14.0	19.1
Bahrain	735	24.1	20.8	65.5	20.8	65.5	7.9	5.8	23.5	24.6
Brazil	3284	10.0	8.3	74.9	8.3	74.9	6.2	10.5	8.9	11.0
Chile	616	24.3	19.1	59.7	19.1	59.7	8.4	12.8	24.3	24.2
Chinese Taipei	1111	28.1	27.1	69.4	27.1	69.4	2.5	1.0	27.0	29.2
Cyprus	606	29.2	25.8	62.6	25.8	62.6	6.0	5.6	23.0	35.4
Czech Republic	1192	38.7	34.1	54.0	34.1	54.0	6.7	5.2	36.5	40.8
England	615	44.3	40.3	50.7	40.3	50.7	4.5	4.5	41.1	47.5
Finland	853	39.4	35.0	53.9	35.0	53.9	4.6	6.4	36.1	42.5
France	652	34.0	29.7	57.6	29.7	57.6	7.2	5.4	31.2	37.1
Georgia	711	17.8	13.3	61.5	13.3	61.5	9.4	15.8	9.7	24.9
Hong Kong SAR	646	36.7	34.3	59.2	34.3	59.2	4.5	2.0	35.4	37.8
Hungary	787	38.8	37.5	59.2	37.5	59.2	2.3	1.0	36.4	41.0
Ireland	712	42.8	38.7	51.8	38.7	51.8	7.5	2.1	35.9	48.4
Israel	744	26.3	21.5	60.5	21.5	60.5	7.0	11.0	21.1	31.8
Italy	668	39.2	34.5	53.5	34.5	53.5	7.3	4.7	32.8	45.0
Japan	796	56.8	52.7	40.1	52.7	40.1	4.3	2.9	54.1	59.6
Jordan	587	10.9	9.8	80.0	9.8	80.0	7.2	3.1	11.6	10.2
Kazakhstan	924	28.7	24.4	60.5	24.4	60.5	6.3	8.8	23.9	33.4
Korea, Rep. of	847	44.9	41.4	50.7	41.4	50.7	5.2	2.6	43.7	46.2
Lithuania	795	42.7	38.8	51.9	38.8	51.9	5.8	3.5	40.7	44.8
Malaysia	1287	20.0	18.4	73.4	18.4	73.4	3.3	4.9	18.5	21.6
Malta	568	31.1	28.7	63.6	28.7	63.6	3.8	3.9	27.8	34.7
Morocco	755	6.5	4.7	67.4	4.7	67.4	16.2	11.8	5.7	7.2
New Zealand	581	35.7	32.9	59.3	32.9	59.3	3.9	4.0	26.3	42.8
Norway (9)	911	34.3	26.5	50.7	26.5	50.7	9.5	13.4	32.9	35.7
Oman	703	15.9	13.5	71.4	13.5	71.4	8.0	7.0	12.6	19.2
Palestinian Nat'l Auth.	547	6.4	5.7	83.0	5.7	83.0	7.7	3.7	6.2	6.6
Portugal	784	40.5	34.7	51.1	34.7	51.1	6.6	7.5	36.2	44.1
Qatar	621	33.0	29.5	59.9	29.5	59.9	4.2	6.5	28.6	36.9
Romania	532	24.2	21.0	65.9	21.0	65.9	5.2	7.9	18.9	28.9
Saudi Arabia	498	14.1	12.8	78.0	12.8	78.0	4.3	4.9	13.4	14.6
Singapore	963	48.6	47.4	50.2	47.4	50.2	1.4	0.9	44.4	52.7
Sweden	732	45.1	38.5	46.9	38.5	46.9	6.1	8.5	40.6	49.1
Turkiye	708	31.6	28.6	62.1	28.6	62.1	6.6	2.7	25.4	38.2
United Arab Emirates	4004	29.8	25.8	60.8	25.8	60.8	4.9	8.6	27.1	32.3
United States	1103	39.1	35.8	55.6	35.8	55.6	1.6	7.0	36.9	41.4
Uzbekistan	633	18.8	15.5	67.0	15.5	67.0	7.0	10.4	11.6	26.5
International Avg. (40)	36581	30.8	27.4	60.3	27.4	60.3	6.1	6.2	27.6	33.8
Abu Dhabi, UAE	1042	24.7	21.9	67.0	21.9	67.0	3.9	7.2	22.3	26.9
Dubai, UAE	1168	40.1	34.2	51.0	34.2	51.0	5.9	8.9	37.3	42.7
Sharjah, UAE	918	26.8	22.9	62.7	22.9	62.7	4.6	9.8	21.0	32.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MD5_02 MQ82C01: Expression for total registration fee - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	70.6	13.9	10.3	69.7	4.8	0.7	0.5	72.9	68.4
Austria	678	68.7	15.0	10.6	67.5	5.1	1.3	0.4	68.9	68.5
Azerbaijan	882	66.6	13.0	13.7	64.4	5.6	2.5	0.7	69.0	64.4
Bahrain	749	59.3	17.0	17.5	58.8	5.8	0.9	0.0	62.3	56.3
Brazil	3273	53.9	17.5	20.1	53.4	8.1	0.7	0.2	55.2	52.6
Chile	641	57.2	17.9	18.5	56.3	5.7	0.9	0.8	58.3	56.1
Chinese Taipei	1104	81.2	8.7	6.4	81.2	3.7	0.0	0.0	84.5	78.3
Cyprus	609	68.8	13.5	11.4	68.2	6.0	0.8	0.1	69.8	67.8
Czech Republic	1175	70.5	12.0	10.7	69.5	6.3	1.4	0.1	71.5	69.6
England	602	74.4	14.7	6.6	73.3	3.9	1.2	0.3	75.0	73.7
Finland	855	66.3	14.2	13.6	64.9	5.2	1.0	1.1	72.0	60.9
France	658	64.7	13.9	12.1	64.3	9.1	0.6	0.0	66.4	63.0
Georgia	700	61.1	16.5	16.4	60.7	5.8	0.6	0.1	63.7	58.7
Hong Kong SAR	637	77.7	10.7	9.5	77.4	2.0	0.5	0.0	78.9	76.5
Hungary	802	70.2	14.7	11.7	70.1	3.4	0.1	0.1	74.3	66.4
Ireland	710	69.0	16.2	10.6	68.9	4.1	0.1	0.0	70.2	68.1
Israel	747	70.5	16.8	7.0	69.7	5.3	0.8	0.3	71.9	69.2
Italy	676	58.1	11.8	21.1	57.5	8.6	1.0	0.0	57.3	58.8
Japan	780	82.2	10.2	4.5	82.0	3.1	0.1	0.1	82.8	81.5
Jordan	591	44.1	25.6	20.5	43.8	9.4	0.6	0.0	45.8	42.4
Kazakhstan	923	61.9	16.6	12.9	61.7	8.5	0.2	0.2	60.8	62.9
Korea, Rep. of	839	83.1	7.6	6.5	83.0	2.7	0.0	0.2	84.4	81.8
Lithuania	791	67.9	14.1	11.5	67.7	6.5	0.3	0.0	72.9	62.8
Malaysia	1278	60.9	12.8	17.6	60.8	8.6	0.1	0.1	62.4	59.4
Malta	582	73.9	14.0	7.8	73.1	4.0	0.9	0.2	72.9	75.0
Morocco	763	46.6	21.8	22.1	45.9	8.7	1.0	0.5	42.9	50.2
New Zealand	558	69.0	11.9	15.5	68.2	3.3	0.9	0.2	68.9	69.0
Norway (9)	896	69.7	13.6	11.7	68.1	4.3	1.4	0.8	73.8	65.8
Oman	714	64.1	18.2	10.3	63.8	7.3	0.3	0.1	72.4	56.3
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	784	66.0	11.6	15.4	66.0	7.0	0.1	0.0	67.8	64.5
Qatar	617	64.4	17.3	11.7	63.1	5.8	0.4	1.6	66.8	62.3
Romania	537	64.6	17.8	11.7	64.0	5.5	0.6	0.3	69.6	60.2
Saudi Arabia	509	55.2	18.8	19.0	54.8	6.6	0.8	0.0	58.1	52.6
Singapore	945	83.3	7.9	6.0	83.2	2.8	0.0	0.1	84.9	81.9
Sweden	722	69.7	14.8	9.7	69.1	5.5	0.7	0.2	71.5	67.9
Turkiye	708	67.0	11.2	13.4	66.6	8.2	0.6	0.0	68.6	65.4
United Arab Emirates	4025	67.3	13.9	12.2	66.9	6.4	0.4	0.2	69.2	65.5
United States	1133	72.6	11.5	9.1	72.3	6.8	0.0	0.4	75.3	69.9
Uzbekistan	632	48.1	20.8	21.7	47.5	8.9	1.0	0.2	47.9	48.2
International Avg. (39)	36039	66.4	14.6	12.8	65.8	5.9	0.7	0.2	68.3	64.7
Abu Dhabi, UAE	1041	62.9	14.9	14.5	62.5	7.6	0.4	0.2	62.6	63.1
Dubai, UAE	1171	77.8	10.4	7.1	77.3	4.6	0.4	0.1	77.9	77.7
Sharjah, UAE	925	64.3	15.7	13.8	64.1	6.0	0.2	0.1	69.3	59.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_MD5_03 MQ82C02: Cakes to sell to earn a profit of 350 zeds - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	23.9	22.9	73.1	22.9	73.1	3.5	0.5	19.6	28.4
Austria	676	21.4	20.3	74.5	20.3	74.5	4.8	0.4	14.7	27.0
Azerbaijan	882	9.1	7.3	72.6	7.3	72.6	19.4	0.7	9.0	9.3
Bahrain	748	8.8	8.4	87.0	8.4	87.0	4.6	0.0	6.1	11.5
Brazil	3263	6.1	5.7	86.8	5.7	86.8	7.2	0.2	4.0	8.2
Chile	640	7.2	6.1	78.3	6.1	78.3	14.9	0.8	3.8	10.8
Chinese Taipei	1104	50.2	49.8	49.4	49.8	49.4	0.7	0.0	47.7	52.5
Cyprus	604	19.2	17.7	74.7	17.7	74.7	7.4	0.1	14.5	23.7
Czech Republic	1174	29.3	26.9	65.1	26.9	65.1	7.9	0.1	19.2	37.8
England	602	24.2	22.6	70.7	22.6	70.7	6.3	0.5	20.2	28.3
Finland	853	25.0	23.8	71.2	23.8	71.2	3.9	1.1	19.4	30.3
France	658	21.2	19.7	73.6	19.7	73.6	6.6	0.0	17.2	24.9
Georgia	697	22.7	20.2	68.9	20.2	68.9	10.8	0.1	18.5	26.0
Hong Kong SAR	638	45.9	45.3	53.4	45.3	53.4	1.3	0.0	40.7	50.7
Hungary	802	23.0	22.4	74.9	22.4	74.9	2.6	0.1	17.9	27.7
Ireland	710	32.3	31.3	65.5	31.3	65.5	3.2	0.0	24.1	38.9
Israel	747	24.7	22.9	69.7	22.9	69.7	7.1	0.3	21.1	28.1
Italy	676	21.2	19.8	73.3	19.8	73.3	6.9	0.0	13.6	27.3
Japan	780	33.2	32.2	64.7	32.2	64.7	3.0	0.1	30.6	35.8
Jordan	591	4.2	4.1	94.1	4.1	94.1	1.8	0.0	3.8	4.6
Kazakhstan	920	13.0	12.3	82.2	12.3	82.2	5.3	0.2	9.4	16.2
Korea, Rep. of	839	32.2	31.6	66.5	31.6	66.5	1.7	0.2	27.5	36.8
Lithuania	790	25.5	24.2	70.8	24.2	70.8	5.0	0.0	20.1	30.8
Malaysia	1278	10.1	10.0	89.2	10.0	89.2	0.7	0.1	7.6	12.7
Malta	581	20.4	19.4	75.5	19.4	75.5	4.9	0.2	16.0	25.1
Morocco	762	2.9	2.7	89.7	2.7	89.7	7.1	0.5	2.9	2.9
New Zealand	558	25.1	23.6	70.3	23.6	70.3	5.9	0.2	17.4	31.6
Norway (9)	896	22.0	19.7	70.0	19.7	70.0	9.5	0.9	22.2	21.8
Oman	713	3.4	3.3	92.2	3.3	92.2	4.4	0.1	2.0	4.8
Palestinian Nat'l Auth.	556	2.3	2.2	95.4	2.2	95.4	2.2	0.2	2.5	2.1
Portugal	784	23.4	22.0	72.1	22.0	72.1	5.9	0.0	22.9	23.8
Qatar	617	14.0	13.0	79.9	13.0	79.9	5.3	1.8	10.1	17.3
Romania	536	24.4	23.5	72.9	23.5	72.9	3.3	0.3	19.7	28.5
Saudi Arabia	508	4.1	4.0	93.9	4.0	93.9	2.2	0.0	2.6	5.5
Singapore	944	53.1	52.8	46.7	52.8	46.7	0.4	0.1	52.2	53.9
Sweden	722	32.6	30.4	62.9	30.4	62.9	6.5	0.2	22.0	43.3
Turkiye	706	21.1	19.4	72.8	19.4	72.8	7.8	0.0	15.8	26.4
United Arab Emirates	4022	23.0	22.1	73.9	22.1	73.9	3.8	0.2	17.7	28.0
United States	1133	18.2	18.0	80.8	18.0	80.8	0.9	0.4	13.4	22.9
Uzbekistan	629	7.1	6.8	88.1	6.8	88.1	4.9	0.2	4.1	9.9
International Avg. (40)	36553	20.8	19.8	74.7	19.8	74.7	5.3	0.3	16.8	24.4
Abu Dhabi, UAE	1040	13.4	13.0	84.0	13.0	84.0	2.7	0.3	9.2	17.4
Dubai, UAE	1170	37.0	35.3	60.0	35.3	60.0	4.4	0.3	29.6	43.6
Sharjah, UAE	925	20.6	19.6	75.4	19.6	75.4	4.8	0.1	16.3	24.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MD5_04 MQ82C03: Numbers of people for plans to be the same price - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	61.9	59.6	36.6	59.6	36.6	3.4	0.5	59.8	64.4
Austria	678	69.0	67.1	30.2	67.1	30.2	2.4	0.4	67.0	70.6
Azerbaijan	882	30.5	23.1	52.7	23.1	52.7	23.1	1.0	31.4	29.7
Bahrain	749	27.3	26.2	69.5	26.2	69.5	4.3	0.0	28.1	26.6
Brazil	3273	20.0	18.2	72.6	18.2	72.6	8.9	0.4	15.8	24.0
Chile	641	33.8	30.7	60.2	30.7	60.2	8.3	0.8	28.5	39.5
Chinese Taipei	1104	73.8	72.9	25.9	72.9	25.9	1.2	0.0	75.3	72.5
Cyprus	609	54.0	51.5	43.8	51.5	43.8	4.5	0.1	55.4	52.7
Czech Republic	1175	59.6	56.5	38.2	56.5	38.2	5.1	0.2	56.7	62.3
England	602	64.2	59.4	33.1	59.4	33.1	6.7	0.8	61.1	67.4
Finland	855	63.6	58.0	33.2	58.0	33.2	7.4	1.4	64.2	63.0
France	658	55.5	53.3	42.7	53.3	42.7	3.8	0.2	55.6	55.4
Georgia	700	34.5	30.4	57.6	30.4	57.6	11.9	0.1	35.6	33.6
Hong Kong SAR	638	61.6	59.4	37.0	59.4	37.0	3.7	0.0	55.8	67.0
Hungary	802	60.3	59.1	39.0	59.1	39.0	1.8	0.1	61.8	58.9
Ireland	710	62.4	60.6	36.5	60.6	36.5	2.9	0.0	59.7	64.6
Israel	747	44.9	41.5	50.8	41.5	50.8	7.2	0.5	44.4	45.5
Italy	676	49.2	47.0	48.5	47.0	48.5	4.2	0.3	43.2	54.2
Japan	780	88.9	87.9	11.0	87.9	11.0	1.0	0.1	89.9	87.8
Jordan	591	7.4	7.1	89.5	7.1	89.5	3.4	0.0	5.3	9.2
Kazakhstan	923	35.1	33.4	61.8	33.4	61.8	4.6	0.2	32.6	37.1
Korea, Rep. of	839	76.1	74.6	23.5	74.6	23.5	1.6	0.3	75.1	77.0
Lithuania	791	58.4	55.7	39.7	55.7	39.7	4.6	0.0	56.1	60.7
Malaysia	1278	26.5	26.1	72.6	26.1	72.6	1.1	0.1	23.9	29.2
Malta	582	52.7	50.2	45.1	50.2	45.1	4.5	0.2	48.7	56.7
Morocco	763	20.6	18.6	71.8	18.6	71.8	9.0	0.6	18.0	23.1
New Zealand	558	54.3	50.1	42.1	50.1	42.1	7.5	0.2	48.1	59.8
Norway (9)	896	60.1	55.4	36.8	55.4	36.8	6.5	1.3	59.7	60.3
Oman	714	24.9	23.7	71.4	23.7	71.4	4.7	0.3	24.7	25.1
Palestinian Nat'l Auth.	558	10.2	9.8	86.0	9.8	86.0	4.0	0.2	11.8	8.7
Portugal	784	40.5	38.5	56.7	38.5	56.7	4.6	0.2	37.0	43.7
Qatar	617	41.2	38.6	55.0	38.6	55.0	4.5	1.9	37.4	44.8
Romania	537	39.6	36.3	55.4	36.3	55.4	8.1	0.3	39.2	40.0
Saudi Arabia	509	17.6	17.3	80.8	17.3	80.8	1.8	0.2	18.0	17.2
Singapore	945	74.5	73.7	25.2	73.7	25.2	1.0	0.1	70.4	78.2
Sweden	722	67.0	62.7	30.9	62.7	30.9	5.9	0.4	63.4	70.6
Turkiye	708	40.1	39.2	58.5	39.2	58.5	2.3	0.0	36.4	44.2
United Arab Emirates	4024	47.0	45.6	51.4	45.6	51.4	2.7	0.3	43.0	51.0
United States	1133	58.8	57.6	40.3	57.6	40.3	1.6	0.4	59.7	58.0
Uzbekistan	632	13.4	12.1	77.9	12.1	77.9	9.9	0.2	10.3	16.4
International Avg. (40)	36597	47.0	44.7	49.8	44.7	49.8	5.1	0.3	45.2	48.8
Abu Dhabi, UAE	1040	39.2	37.9	58.9	37.9	58.9	2.7	0.4	36.7	41.6
Dubai, UAE	1171	65.0	63.1	34.0	63.1	34.0	2.6	0.4	59.9	69.7
Sharjah, UAE	925	40.2	38.8	57.8	38.8	57.8	3.1	0.3	37.1	43.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MD5_05 MQ82C04: Probability judge will pick their favorite song - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1213	67.7	66.6	31.8	66.6	31.8	1.0	0.7	67.5	68.1
Austria	665	23.5	22.2	72.0	22.2	72.0	5.4	0.5	15.6	29.9
Azerbaijan	882	37.6	32.4	53.7	32.4	53.7	12.7	1.1	41.8	33.8
Bahrain	747	23.9	22.6	72.0	22.6	72.0	5.3	0.1	23.5	24.2
Brazil	3272	8.8	8.4	86.2	8.4	86.2	4.8	0.7	7.3	10.3
Chile	641	14.9	13.3	76.3	13.3	76.3	9.5	0.8	10.7	19.3
Chinese Taipei	1104	66.8	66.6	33.1	66.6	33.1	0.2	0.0	66.9	66.7
Cyprus	609	40.2	38.6	57.4	38.6	57.4	3.9	0.1	41.4	39.1
Czech Republic	1170	33.1	30.6	61.9	30.6	61.9	7.2	0.3	24.9	40.2
England	602	57.7	55.1	40.4	55.1	40.4	3.5	1.0	52.2	63.4
Finland	854	34.4	32.5	62.0	32.5	62.0	4.0	1.5	31.7	36.8
France	658	44.2	42.3	53.4	42.3	53.4	4.1	0.2	42.2	46.0
Georgia	700	24.0	20.3	64.1	20.3	64.1	15.6	0.1	23.8	24.2
Hong Kong SAR	617	47.3	46.1	51.3	46.1	51.3	2.5	0.1	39.7	54.1
Hungary	800	28.0	26.8	68.9	26.8	68.9	4.2	0.1	25.5	30.4
Ireland	709	72.0	71.1	27.6	71.1	27.6	1.4	0.0	71.8	72.2
Israel	747	32.8	30.0	61.5	30.0	61.5	8.0	0.5	26.8	38.3
Italy	675	40.4	38.5	56.8	38.5	56.8	4.4	0.3	33.7	45.8
Japan	780	76.9	76.1	22.9	76.1	22.9	0.9	0.1	75.1	78.7
Jordan	591	8.2	7.9	88.3	7.9	88.3	3.7	0.0	10.0	6.5
Kazakhstan	923	16.2	15.0	77.7	15.0	77.7	7.0	0.2	17.4	15.2
Korea, Rep. of	839	58.5	57.8	40.9	57.8	40.9	1.0	0.3	57.4	59.7
Lithuania	791	30.6	28.9	65.5	28.9	65.5	5.6	0.0	25.6	35.6
Malaysia	1278	6.8	6.7	91.1	6.7	91.1	2.0	0.2	5.6	8.1
Malta	582	50.4	49.5	48.7	49.5	48.7	1.6	0.2	49.1	51.7
Morocco	763	3.9	3.3	82.2	3.3	82.2	13.6	0.9	3.7	4.1
New Zealand	558	53.4	52.5	45.9	52.5	45.9	1.4	0.2	49.6	56.6
Norway (9)	896	56.1	53.2	41.6	53.2	41.6	3.6	1.6	58.3	54.2
Oman	714	26.5	25.8	71.4	25.8	71.4	2.5	0.3	29.3	24.0
Palestinian Nat'l Auth.	555	11.4	11.1	85.9	11.1	85.9	2.7	0.4	14.0	9.0
Portugal	784	10.0	9.1	82.2	9.1	82.2	8.5	0.2	6.1	13.3
Qatar	616	28.1	27.0	69.0	27.0	69.0	1.9	2.2	25.6	30.3
Romania	537	36.0	34.8	61.8	34.8	61.8	3.2	0.3	38.9	33.6
Saudi Arabia	508	25.5	25.3	73.7	25.3	73.7	0.8	0.2	33.4	18.3
Singapore	945	71.8	71.3	28.0	71.3	28.0	0.5	0.1	71.1	72.4
Sweden	722	57.3	53.7	40.0	53.7	40.0	5.5	0.8	54.1	60.6
Turkiye	708	55.0	54.8	44.8	54.8	44.8	0.4	0.0	55.2	54.8
United Arab Emirates	4022	40.2	39.3	58.6	39.3	58.6	1.8	0.3	39.2	41.1
United States	1133	44.6	43.9	54.6	43.9	54.6	0.8	0.7	38.7	50.1
Uzbekistan	632	7.4	7.2	89.2	7.2	89.2	3.4	0.2	6.1	8.7
International Avg. (40)	36542	36.8	35.5	59.9	35.5	59.9	4.3	0.4	35.3	38.2
Abu Dhabi, UAE	1041	30.5	29.8	67.8	29.8	67.8	2.0	0.4	31.8	29.2
Dubai, UAE	1169	60.8	59.4	38.3	59.4	38.3	2.0	0.4	59.2	62.2
Sharjah, UAE	924	36.0	35.3	62.8	35.3	62.8	1.6	0.3	33.9	38.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_MD5_06 MQ82C05: Maximum total points any team can get - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1213	34.6	33.1	62.4	33.1	62.4	3.9	0.7	34.6	34.8
Austria	677	42.8	41.0	54.6	41.0	54.6	4.0	0.5	42.7	43.0
Azerbaijan	881	12.0	9.4	69.5	9.4	69.5	19.9	1.2	10.2	13.5
Bahrain	749	14.5	13.6	80.0	13.6	80.0	6.0	0.3	14.8	14.3
Brazil	3272	16.5	15.5	78.7	15.5	78.7	5.0	0.8	14.1	18.7
Chile	641	17.9	16.2	74.6	16.2	74.6	8.4	0.8	13.2	22.9
Chinese Taipei	1104	55.5	55.2	44.2	55.2	44.2	0.6	0.0	58.4	52.9
Cyprus	609	31.6	30.0	64.8	30.0	64.8	5.1	0.1	31.9	31.3
Czech Republic	1174	47.8	44.4	48.5	44.4	48.5	6.8	0.3	45.9	49.5
England	602	39.2	36.3	56.4	36.3	56.4	6.0	1.3	33.4	45.2
Finland	855	47.1	43.7	49.0	43.7	49.0	5.7	1.5	49.7	44.8
France	658	38.0	36.3	59.2	36.3	59.2	4.2	0.3	37.0	39.0
Georgia	699	20.1	17.2	68.1	17.2	68.1	14.7	0.1	18.3	21.7
Hong Kong SAR	637	44.7	43.3	53.5	43.3	53.5	3.1	0.1	42.1	47.1
Hungary	802	40.7	39.9	58.0	39.9	58.0	2.0	0.1	39.2	42.1
Ireland	710	47.4	46.1	51.1	46.1	51.1	2.7	0.1	45.0	49.4
Israel	747	37.5	35.3	58.9	35.3	58.9	5.4	0.5	37.1	37.8
Italy	676	42.3	39.9	54.4	39.9	54.4	5.2	0.5	34.3	48.9
Japan	780	64.0	62.9	35.4	62.9	35.4	1.7	0.1	61.2	66.9
Jordan	591	5.2	5.1	92.4	5.1	92.4	2.6	0.0	3.6	6.7
Kazakhstan	922	14.4	13.7	81.1	13.7	81.1	4.9	0.2	14.0	14.8
Korea, Rep. of	839	50.9	49.7	47.9	49.7	47.9	2.0	0.3	48.4	53.4
Lithuania	791	40.4	38.3	56.5	38.3	56.5	5.2	0.0	37.5	43.4
Malaysia	1278	10.4	10.3	88.9	10.3	88.9	0.4	0.4	8.4	12.5
Malta	582	33.2	32.2	64.7	32.2	64.7	2.9	0.2	33.9	32.5
Morocco	763	4.8	4.4	87.0	4.4	87.0	7.0	1.6	5.5	4.2
New Zealand	558	38.5	36.4	58.2	36.4	58.2	5.0	0.5	35.1	41.2
Norway (9)	895	45.0	40.8	50.0	40.8	50.0	7.4	1.7	49.0	41.5
Oman	714	5.5	5.2	89.9	5.2	89.9	4.7	0.3	3.6	7.1
Palestinian Nat'l Auth.	557	3.2	3.1	94.3	3.1	94.3	2.2	0.4	4.8	1.6
Portugal	784	40.9	39.7	57.4	39.7	57.4	2.5	0.4	40.4	41.3
Qatar	617	18.0	17.2	78.6	17.2	78.6	1.8	2.3	15.9	19.8
Romania	537	25.5	24.7	72.2	24.7	72.2	2.8	0.3	24.7	26.2
Saudi Arabia	508	5.4	5.3	93.6	5.3	93.6	0.9	0.2	4.9	5.8
Singapore	945	56.6	56.0	43.0	56.0	43.0	0.8	0.1	55.6	57.4
Sweden	722	54.3	50.2	42.3	50.2	42.3	6.8	0.8	55.9	52.7
Turkiye	707	40.5	39.2	57.5	39.2	57.5	3.3	0.0	41.3	39.7
United Arab Emirates	4024	24.2	23.3	72.9	23.3	72.9	3.4	0.4	22.6	25.7
United States	1133	29.8	29.3	69.1	29.3	69.1	0.8	0.8	27.2	32.3
Uzbekistan	631	5.6	5.4	89.9	5.4	89.9	4.6	0.2	4.8	6.4
International Avg. (40)	36584	31.2	29.7	65.2	29.7	65.2	4.6	0.5	30.0	32.2
Abu Dhabi, UAE	1040	18.2	17.6	79.4	17.6	79.4	2.5	0.4	16.5	19.8
Dubai, UAE	1171	40.6	38.9	56.9	38.9	56.9	3.6	0.6	39.1	42.0
Sharjah, UAE	925	18.1	17.3	78.1	17.3	78.1	4.4	0.3	15.1	21.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MD5_07 ME82808: Bag with greatest odds of drawing green - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	52.6	51.1	4.2	35.2	6.7	2.2	0.7	48.2	57.4
Austria	678	54.9	54.0	3.9	32.1	8.3	1.2	0.6	50.1	59.0
Azerbaijan	882	24.7	22.9	6.4	57.6	5.7	5.6	1.8	20.4	28.6
Bahrain	749	24.8	24.2	8.1	53.4	11.8	2.2	0.3	18.5	31.3
Brazil	3273	28.1	26.8	7.2	50.8	10.6	3.5	1.0	20.9	35.1
Chile	641	32.2	30.5	5.0	49.8	9.4	4.2	1.0	24.4	40.8
Chinese Taipei	1103	61.4	61.2	4.4	24.1	9.9	0.4	0.0	61.2	61.7
Cyprus	609	45.6	43.9	4.9	40.3	7.2	3.6	0.1	40.8	50.4
Czech Republic	1175	56.9	56.1	5.0	28.2	9.4	1.0	0.3	50.7	62.5
England	602	47.9	45.8	3.1	39.5	7.2	2.9	1.5	41.8	54.3
Finland	855	57.3	54.4	4.1	29.2	7.3	3.1	1.9	52.5	61.9
France	658	48.9	47.5	3.0	38.5	8.1	2.6	0.3	42.2	55.7
Georgia	700	33.3	32.5	6.5	47.6	11.1	2.2	0.1	27.8	38.3
Hong Kong SAR	638	54.0	52.0	4.5	30.2	9.6	3.7	0.1	46.4	61.3
Hungary	802	47.1	47.0	4.6	39.7	8.5	0.1	0.1	43.3	50.7
Ireland	710	45.7	44.9	2.9	41.6	8.9	1.4	0.3	37.7	52.4
Israel	747	44.8	42.1	5.7	40.2	5.9	5.3	0.8	37.9	51.7
Italy	676	49.0	48.2	5.0	37.5	7.7	0.8	0.9	39.9	56.9
Japan	780	61.6	60.8	3.1	20.1	14.7	1.1	0.2	56.5	66.9
Jordan	591	13.3	12.8	9.2	59.9	14.8	3.2	0.0	11.3	15.1
Kazakhstan	923	28.7	28.0	7.0	51.3	11.2	2.2	0.2	25.3	31.7
Korea, Rep. of	839	60.0	59.0	3.8	24.1	11.4	1.2	0.4	58.1	61.9
Lithuania	791	52.8	51.9	4.6	31.4	10.3	1.6	0.1	48.0	57.9
Malaysia	1278	16.8	16.4	6.3	63.5	11.3	2.0	0.5	14.6	19.2
Malta	582	37.1	35.9	2.7	48.6	9.7	3.0	0.2	29.4	45.2
Morocco	763	14.4	13.3	14.2	52.2	12.0	6.7	1.6	15.5	13.5
New Zealand	558	55.7	53.8	4.3	30.4	8.0	2.9	0.7	49.1	61.6
Norway (9)	896	62.1	59.3	4.2	26.7	5.3	2.6	1.9	56.9	67.0
Oman	714	14.4	14.0	10.6	65.8	6.8	2.5	0.3	11.8	16.9
Palestinian Nat'l Auth.	558	16.9	16.3	12.0	58.9	9.2	3.2	0.4	13.9	19.9
Portugal	784	42.2	40.9	3.4	45.5	7.1	2.4	0.7	35.1	48.6
Qatar	617	32.8	30.6	5.3	50.1	7.1	4.3	2.6	26.4	38.8
Romania	537	39.2	37.8	10.7	36.0	12.0	2.9	0.6	34.5	43.3
Saudi Arabia	509	26.8	26.3	8.4	54.3	9.3	1.5	0.2	23.8	29.4
Singapore	945	60.1	59.8	2.7	29.4	7.6	0.5	0.1	56.7	63.3
Sweden	722	68.3	65.5	4.7	18.2	7.5	2.7	1.4	64.1	72.7
Turkiye	708	49.1	48.7	3.2	40.3	6.9	0.8	0.0	46.9	51.6
United Arab Emirates	4025	33.1	32.3	5.8	49.8	9.6	1.9	0.5	28.4	37.8
United States	1133	48.9	47.6	4.2	35.5	10.2	1.5	1.1	41.0	56.4
Uzbekistan	632	21.2	20.6	11.5	53.6	11.5	2.7	0.2	11.9	29.8
International Avg. (40)	36597	41.6	40.4	5.8	41.5	9.2	2.5	0.6	36.6	46.4
Abu Dhabi, UAE	1041	29.3	28.5	7.0	49.1	12.5	2.3	0.6	26.1	32.6
Dubai, UAE	1171	44.5	43.3	3.4	42.1	8.6	1.7	0.8	37.7	50.8
Sharjah, UAE	925	28.4	27.8	7.0	54.8	8.2	1.8	0.3	24.1	32.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MD5_08 ME82116: Click the thermometer for Tuesday's temperature - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	39.7	38.5	58.4	38.5	58.4	2.3	0.8	33.7	45.7
Austria	678	38.8	38.3	60.5	38.3	60.5	0.6	0.6	32.7	43.9
Azerbaijan	882	28.1	25.9	66.1	25.9	66.1	5.7	2.2	26.1	29.9
Bahrain	749	14.7	14.3	83.2	14.3	83.2	2.1	0.3	11.7	17.6
Brazil	3273	12.1	11.5	83.7	11.5	83.7	3.7	1.1	10.4	13.7
Chile	641	15.5	14.9	81.5	14.9	81.5	2.2	1.4	11.6	19.7
Chinese Taipei	1104	36.3	35.8	63.0	35.8	63.0	1.2	0.0	34.0	38.4
Cyprus	609	37.5	36.7	61.1	36.7	61.1	1.8	0.4	31.5	43.3
Czech Republic	1175	44.8	44.2	54.5	44.2	54.5	0.9	0.3	39.4	49.7
England	602	44.6	42.9	53.3	42.9	53.3	2.2	1.5	38.7	50.9
Finland	855	37.3	35.5	59.6	35.5	59.6	2.9	2.0	35.8	38.7
France	658	26.0	24.9	70.6	24.9	70.6	4.2	0.3	21.2	30.6
Georgia	700	21.5	21.0	76.8	21.0	76.8	2.2	0.1	17.0	25.4
Hong Kong SAR	638	58.3	55.9	39.9	55.9	39.9	4.1	0.1	55.2	61.4
Hungary	802	42.0	41.6	57.3	41.6	57.3	1.0	0.1	39.1	44.7
Ireland	710	40.1	39.7	59.3	39.7	59.3	0.7	0.3	35.8	43.7
Israel	747	27.2	25.7	68.8	25.7	68.8	4.3	1.3	21.0	33.2
Italy	676	27.8	27.3	71.1	27.3	71.1	0.7	0.9	19.8	34.5
Japan	780	47.5	46.8	51.7	46.8	51.7	1.3	0.2	45.0	50.1
Jordan	591	10.3	10.1	88.3	10.1	88.3	1.6	0.0	8.2	12.2
Kazakhstan	923	18.9	18.4	78.9	18.4	78.9	2.5	0.3	14.1	23.1
Korea, Rep. of	839	39.0	38.5	60.2	38.5	60.2	0.9	0.4	35.5	42.6
Lithuania	791	37.8	37.7	61.9	37.7	61.9	0.4	0.1	32.3	43.6
Malaysia	1278	17.3	16.8	80.6	16.8	80.6	2.2	0.5	15.6	19.1
Malta	582	45.8	44.4	52.5	44.4	52.5	3.0	0.2	39.1	52.9
Morocco	763	11.1	10.3	82.6	10.3	82.6	5.4	1.7	7.5	14.5
New Zealand	558	36.8	35.2	60.5	35.2	60.5	3.3	1.1	29.5	43.4
Norway (9)	896	31.0	29.5	65.6	29.5	65.6	2.9	2.0	28.4	33.4
Oman	714	16.9	16.4	80.7	16.4	80.7	2.4	0.4	13.1	20.4
Palestinian Nat'l Auth.	558	9.6	9.3	87.4	9.3	87.4	2.7	0.6	9.8	9.4
Portugal	784	28.3	27.3	68.9	27.3	68.9	3.2	0.7	23.7	32.5
Qatar	617	19.3	18.1	76.1	18.1	76.1	3.2	2.6	14.3	23.9
Romania	537	25.5	24.4	71.3	24.4	71.3	3.6	0.6	23.1	27.6
Saudi Arabia	509	14.8	14.5	83.6	14.5	83.6	1.7	0.2	13.3	16.2
Singapore	945	61.6	61.3	38.2	61.3	38.2	0.4	0.1	60.2	62.9
Sweden	722	38.7	37.6	59.5	37.6	59.5	1.0	1.9	34.0	43.7
Turkiye	708	38.5	38.2	60.9	38.2	60.9	0.9	0.0	33.8	43.7
United Arab Emirates	4025	28.0	27.4	70.4	27.4	70.4	1.6	0.6	21.8	34.1
United States	1133	31.9	31.1	66.2	31.1	66.2	1.7	1.1	27.1	36.6
Uzbekistan	632	18.5	17.9	78.8	17.9	78.8	3.2	0.2	15.6	21.3
International Avg. (40)	36598	30.5	29.6	67.3	29.6	67.3	2.3	0.7	26.5	34.3
Abu Dhabi, UAE	1041	21.6	21.0	76.4	21.0	76.4	2.0	0.6	18.3	24.8
Dubai, UAE	1171	41.6	40.5	57.0	40.5	57.0	1.6	0.9	31.6	50.7
Sharjah, UAE	925	25.6	25.2	73.3	25.2	73.3	1.2	0.3	21.0	30.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_MD5_09 ME82322: How much yellow, red, white paint is needed - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	29.3	27.3	65.8	27.3	65.8	6.0	0.8	27.7	31.0
Austria	678	23.5	21.3	69.4	21.3	69.4	8.7	0.6	21.1	25.4
Azerbaijan	882	18.0	15.2	69.0	15.2	69.0	13.4	2.5	18.1	18.0
Bahrain	749	10.4	9.7	83.6	9.7	83.6	6.0	0.6	11.4	9.5
Brazil	3273	3.2	3.0	89.4	3.0	89.4	6.5	1.1	3.8	2.7
Chile	641	6.4	5.5	80.4	5.5	80.4	12.7	1.4	4.9	7.9
Chinese Taipei	1104	59.3	58.4	40.0	58.4	40.0	1.6	0.0	58.7	59.9
Cyprus	609	25.2	23.2	68.7	23.2	68.7	7.7	0.4	25.9	24.6
Czech Republic	1175	35.7	31.9	57.5	31.9	57.5	10.3	0.3	30.3	40.5
England	602	34.3	30.4	58.2	30.4	58.2	9.9	1.5	33.1	35.7
Finland	854	29.7	26.9	63.6	26.9	63.6	7.4	2.1	30.0	29.4
France	658	24.4	22.4	69.3	22.4	69.3	7.8	0.5	24.9	24.0
Georgia	700	24.2	21.4	67.3	21.4	67.3	11.0	0.2	27.6	21.2
Hong Kong SAR	638	44.4	42.4	53.0	42.4	53.0	4.6	0.1	42.0	46.6
Hungary	802	29.1	27.4	66.9	27.4	66.9	5.6	0.1	27.1	30.8
Ireland	710	30.4	28.2	64.6	28.2	64.6	6.9	0.3	30.2	30.6
Israel	747	23.5	21.1	68.6	21.1	68.6	8.8	1.5	21.1	25.8
Italy	676	27.6	24.4	64.1	24.4	64.1	10.6	0.9	23.9	30.6
Japan	780	57.5	54.4	40.2	54.4	40.2	5.2	0.2	54.4	60.7
Jordan	591	5.0	4.9	93.4	4.9	93.4	1.6	0.0	7.0	3.2
Kazakhstan	923	16.7	15.4	76.9	15.4	76.9	7.1	0.6	17.1	16.4
Korea, Rep. of	839	56.5	54.3	41.8	54.3	41.8	3.4	0.4	54.7	58.3
Lithuania	791	34.9	31.7	59.1	31.7	59.1	9.1	0.1	34.4	35.5
Malaysia	1278	7.7	7.6	91.1	7.6	91.1	0.8	0.6	6.3	9.1
Malta	582	20.5	19.3	75.1	19.3	75.1	5.2	0.3	19.1	21.8
Morocco	763	2.7	2.5	90.2	2.5	90.2	5.6	1.7	1.9	3.5
New Zealand	558	24.3	22.6	70.5	22.6	70.5	5.9	1.1	23.5	24.9
Norway (9)	896	30.4	25.3	58.0	25.3	58.0	14.7	2.0	31.0	29.8
Oman	714	9.7	9.2	85.8	9.2	85.8	4.4	0.6	10.6	8.9
Palestinian Nat'l Auth.	558	3.4	3.3	93.7	3.3	93.7	2.3	0.6	3.2	3.6
Portugal	784	18.8	17.3	75.1	17.3	75.1	6.9	0.7	20.4	17.3
Qatar	617	13.6	12.7	80.9	12.7	80.9	3.8	2.6	12.0	15.0
Romania	537	24.2	22.6	71.0	22.6	71.0	5.4	1.0	19.9	27.9
Saudi Arabia	509	4.3	4.3	94.0	4.3	94.0	1.6	0.2	3.8	4.8
Singapore	945	60.0	59.4	39.7	59.4	39.7	0.7	0.1	59.3	60.6
Sweden	722	36.6	31.3	54.2	31.3	54.2	12.7	1.9	35.1	38.0
Turkiye	708	24.5	23.1	71.2	23.1	71.2	5.8	0.0	24.9	24.0
United Arab Emirates	4025	27.3	26.0	69.0	26.0	69.0	4.4	0.6	25.2	29.4
United States	1133	18.7	18.0	78.6	18.0	78.6	2.1	1.2	19.4	18.0
Uzbekistan	632	11.7	11.0	83.7	11.0	83.7	5.1	0.2	9.3	13.9
International Avg. (40)	36597	24.7	22.9	69.8	22.9	69.8	6.5	0.8	23.9	25.5
Abu Dhabi, UAE	1041	15.5	14.7	80.4	14.7	80.4	4.3	0.6	15.0	16.0
Dubai, UAE	1171	45.4	42.4	51.0	42.4	51.0	5.6	1.0	41.5	48.8
Sharjah, UAE	925	24.0	23.0	72.8	23.0	72.8	3.9	0.3	23.5	24.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_MD5_10A ME82199A: Maximum number of panels that fit on roof - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	32.7	30.8	63.3	30.8	63.3	4.9	0.9	31.8	33.8
Austria	677	30.1	26.5	61.4	26.5	61.4	11.3	0.8	26.4	33.2
Azerbaijan	882	20.5	14.9	58.0	14.9	58.0	24.4	2.7	23.3	18.1
Bahrain	749	9.9	8.7	79.6	8.7	79.6	10.4	1.3	12.0	7.9
Brazil	3271	9.9	8.6	78.8	8.6	78.8	11.1	1.5	7.8	11.7
Chile	641	12.2	10.1	72.2	10.1	72.2	15.6	2.1	8.4	16.5
Chinese Taipei	1104	37.4	36.8	61.7	36.8	61.7	1.5	0.0	35.5	39.1
Cyprus	609	17.6	15.8	73.9	15.8	73.9	9.3	1.0	14.0	20.9
Czech Republic	1175	38.8	34.0	53.7	34.0	53.7	11.5	0.8	33.7	42.9
England	601	25.9	23.8	68.2	23.8	68.2	6.3	1.7	25.2	26.5
Finland	853	35.7	31.7	57.1	31.7	57.1	8.3	2.9	36.6	35.0
France	658	22.5	20.2	69.3	20.2	69.3	9.8	0.7	19.4	25.5
Georgia	700	18.0	13.0	59.1	13.0	59.1	27.2	0.7	18.4	17.7
Hong Kong SAR	637	36.6	34.8	60.3	34.8	60.3	4.8	0.1	36.0	37.2
Hungary	802	30.6	29.6	67.2	29.6	67.2	3.2	0.1	29.3	31.7
Ireland	710	30.9	29.3	65.5	29.3	65.5	4.7	0.4	29.2	32.3
Israel	747	26.8	23.2	63.2	23.2	63.2	11.3	2.3	22.5	30.6
Italy	676	30.4	27.8	63.6	27.8	63.6	7.2	1.4	27.9	32.5
Japan	780	50.4	49.4	48.6	49.4	48.6	1.8	0.2	43.2	57.7
Jordan	591	6.5	6.0	86.1	6.0	86.1	7.7	0.2	7.8	5.4
Kazakhstan	923	13.8	11.7	73.2	11.7	73.2	14.3	0.9	9.0	17.7
Korea, Rep. of	839	37.0	35.8	60.8	35.8	60.8	3.0	0.4	31.0	43.2
Lithuania	791	35.4	31.8	58.1	31.8	58.1	9.7	0.3	32.0	38.7
Malaysia	1277	9.4	9.1	88.3	9.1	88.3	1.9	0.7	7.8	11.1
Malta	582	24.5	22.8	70.3	22.8	70.3	6.3	0.7	22.7	26.3
Morocco	763	8.9	7.5	76.2	7.5	76.2	14.5	1.8	10.0	7.9
New Zealand	558	27.7	25.7	67.0	25.7	67.0	6.0	1.3	20.4	33.7
Norway (9)	896	36.9	31.0	53.0	31.0	53.0	12.0	3.9	37.2	36.7
Oman	714	4.5	4.2	87.5	4.2	87.5	7.7	0.6	3.8	5.2
Palestinian Nat'l Auth.	557	6.1	5.7	87.2	5.7	87.2	6.3	0.9	6.0	6.2
Portugal	784	22.4	20.3	70.3	20.3	70.3	8.2	1.2	19.3	25.1
Qatar	617	13.4	12.1	78.0	12.1	78.0	7.2	2.7	11.7	15.0
Romania	537	27.9	25.8	66.6	25.8	66.6	6.6	1.0	25.3	30.2
Saudi Arabia	509	4.1	3.9	91.2	3.9	91.2	4.5	0.4	3.9	4.3
Singapore	945	38.4	38.0	61.1	38.0	61.1	0.8	0.1	33.7	42.6
Sweden	722	38.7	32.5	51.6	32.5	51.6	12.5	3.3	34.2	43.1
Turkiye	708	22.2	19.9	70.0	19.9	70.0	10.1	0.0	15.0	29.8
United Arab Emirates	4024	20.8	19.3	73.6	19.3	73.6	6.0	1.1	19.1	22.4
United States	1133	18.0	17.2	78.5	17.2	78.5	2.8	1.5	15.8	20.1
Uzbekistan	632	14.5	12.0	70.6	12.0	70.6	17.3	0.2	13.4	15.5
International Avg. (40)	36588	23.7	21.5	68.6	21.5	68.6	8.8	1.1	21.5	25.8
Abu Dhabi, UAE	1041	11.8	11.0	82.2	11.0	82.2	6.0	0.8	10.5	13.2
Dubai, UAE	1171	35.3	33.1	60.7	33.1	60.7	4.5	1.7	33.7	36.7
Sharjah, UAE	924	16.0	14.8	77.8	14.8	77.8	6.6	0.9	13.6	18.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_MD5_10B ME82199B: Smallest number of panels Nada can use - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	33.3	31.6	63.3	31.6	63.3	4.2	0.9	29.0	37.7
Austria	676	35.4	32.5	59.5	32.5	59.5	7.3	0.6	30.8	39.2
Azerbaijan	877	6.8	5.2	71.1	5.2	71.1	21.2	2.6	6.4	7.1
Bahrain	744	8.4	7.8	85.5	7.8	85.5	5.7	1.0	8.1	8.7
Brazil	3241	8.1	7.2	82.0	7.2	82.0	9.1	1.7	5.7	10.4
Chile	636	14.2	12.1	73.0	12.1	73.0	12.0	2.9	9.7	19.0
Chinese Taipei	1104	48.3	47.6	51.0	47.6	51.0	1.4	0.0	44.9	51.4
Cyprus	604	16.8	15.1	74.7	15.1	74.7	9.1	1.1	13.0	20.5
Czech Republic	1173	40.3	36.8	54.6	36.8	54.6	7.9	0.6	31.1	48.1
England	600	31.8	29.4	63.1	29.4	63.1	6.0	1.5	30.1	33.6
Finland	849	36.6	33.1	57.3	33.1	57.3	6.6	2.9	32.5	40.3
France	655	24.4	22.0	68.2	22.0	68.2	8.9	0.9	18.9	29.5
Georgia	695	12.8	9.9	67.7	9.9	67.7	21.3	1.1	6.3	17.9
Hong Kong SAR	638	44.2	43.1	54.3	43.1	54.3	2.4	0.2	35.7	52.1
Hungary	801	36.4	35.5	62.1	35.5	62.1	2.3	0.1	30.6	41.6
Ireland	708	34.1	32.6	62.8	32.6	62.8	4.3	0.3	24.4	42.1
Israel	744	21.1	18.3	68.6	18.3	68.6	10.4	2.7	15.1	26.2
Italy	670	32.2	30.4	63.9	30.4	63.9	4.8	0.9	24.9	38.1
Japan	0	.	.	.	.	.	.	.	.	.
Jordan	590	4.5	4.4	92.6	4.4	92.6	3.0	0.0	4.6	4.4
Kazakhstan	916	10.9	9.8	79.9	9.8	79.9	9.6	0.7	7.5	13.9
Korea, Rep. of	839	46.7	44.7	51.2	44.7	51.2	3.7	0.4	41.4	52.0
Lithuania	790	36.3	33.8	59.2	33.8	59.2	6.8	0.2	29.6	43.2
Malaysia	1267	10.6	10.5	88.1	10.5	88.1	1.3	0.2	7.4	14.1
Malta	580	29.8	28.0	66.1	28.0	66.1	5.4	0.5	23.3	36.2
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	555	31.2	29.4	64.9	29.4	64.9	4.3	1.3	26.1	35.4
Norway (9)	880	35.1	30.2	56.0	30.2	56.0	10.0	3.8	29.0	40.3
Oman	711	5.9	5.6	89.0	5.6	89.0	5.1	0.3	4.5	7.3
Palestinian Nat'l Auth.	558	2.9	2.7	91.1	2.7	91.1	5.0	1.2	2.5	3.3
Portugal	779	21.5	19.7	72.1	19.7	72.1	6.6	1.5	17.2	25.2
Qatar	612	12.9	11.9	80.7	11.9	80.7	4.2	3.2	9.8	15.7
Romania	536	22.3	20.8	72.5	20.8	72.5	4.9	1.8	16.9	27.0
Saudi Arabia	508	6.6	6.3	89.6	6.3	89.6	3.6	0.4	4.5	8.5
Singapore	944	54.6	54.2	45.2	54.2	45.2	0.6	0.0	50.4	58.4
Sweden	708	45.4	38.7	46.6	38.7	46.6	12.0	2.8	38.6	52.2
Turkiye	708	26.3	24.8	69.4	24.8	69.4	5.8	0.0	22.7	30.3
United Arab Emirates	3990	21.7	20.4	73.6	20.4	73.6	5.4	0.7	16.9	26.2
United States	1117	24.0	23.2	73.7	23.2	73.7	1.9	1.2	17.0	30.7
Uzbekistan	631	6.4	5.5	81.4	5.5	81.4	12.4	0.7	4.4	8.2
International Avg. (38)	34839	24.8	23.0	69.1	23.0	69.1	6.8	1.1	20.3	28.8
Abu Dhabi, UAE	1033	11.1	10.5	83.4	10.5	83.4	5.2	0.9	9.0	13.3
Dubai, UAE	1159	39.2	37.0	57.5	37.0	57.5	4.6	0.8	29.3	47.9
Sharjah, UAE	913	16.0	14.7	77.5	14.7	77.5	7.3	0.5	14.2	17.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Reasoning

B_MD5_11 ME82723: Meters in each increment based on data and chart - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	28.7	26.8	66.7	26.8	66.7	4.8	1.6	25.6	32.0
Austria	678	30.2	26.5	61.4	26.5	61.4	11.2	0.9	28.1	31.8
Azerbaijan	882	19.3	14.4	60.0	14.4	60.0	22.7	2.9	24.6	15.0
Bahrain	749	11.8	10.7	79.9	10.7	79.9	7.4	2.0	11.3	12.2
Brazil	3270	6.6	5.8	81.7	5.8	81.7	9.8	2.7	3.8	9.2
Chile	641	13.5	10.7	68.5	10.7	68.5	17.2	3.7	9.9	17.4
Chinese Taipei	1104	41.8	41.2	57.4	41.2	57.4	1.4	0.0	42.8	40.8
Cyprus	609	27.3	24.5	65.1	24.5	65.1	8.6	1.9	26.5	28.0
Czech Republic	1175	37.9	33.3	54.5	33.3	54.5	11.2	1.0	32.2	42.7
England	602	34.9	29.8	55.6	29.8	55.6	12.8	1.7	32.6	37.2
Finland	855	34.1	30.4	58.7	30.4	58.7	7.3	3.6	34.6	33.7
France	658	25.6	22.2	64.4	22.2	64.4	12.1	1.3	22.5	28.4
Georgia	700	16.4	12.9	65.6	12.9	65.6	19.6	2.0	15.5	17.1
Hong Kong SAR	636	40.7	39.3	57.3	39.3	57.3	3.3	0.2	37.1	44.0
Hungary	802	38.3	36.8	59.5	36.8	59.5	3.5	0.2	40.4	36.2
Ireland	710	32.8	29.5	60.4	29.5	60.4	9.6	0.5	29.4	35.6
Israel	747	18.7	16.2	70.4	16.2	70.4	10.0	3.4	18.1	19.1
Italy	676	30.5	25.9	58.9	25.9	58.9	13.1	2.1	25.1	35.0
Japan	779	58.7	56.5	39.8	56.5	39.8	3.1	0.5	55.2	62.3
Jordan	591	3.1	2.9	93.0	2.9	93.0	3.9	0.2	2.5	3.6
Kazakhstan	923	20.2	17.8	70.4	17.8	70.4	10.3	1.4	22.3	18.4
Korea, Rep. of	838	43.2	41.8	55.0	41.8	55.0	2.8	0.4	38.8	47.6
Lithuania	791	36.1	33.1	58.6	33.1	58.6	7.8	0.5	33.1	39.2
Malaysia	1278	9.4	9.1	87.8	9.1	87.8	2.2	0.9	8.6	10.2
Malta	582	26.3	23.7	66.5	23.7	66.5	8.7	1.0	24.1	28.5
Morocco	763	4.3	3.6	80.8	3.6	80.8	13.2	2.3	3.2	5.3
New Zealand	558	29.2	25.7	62.4	25.7	62.4	10.1	1.8	19.0	37.6
Norway (9)	896	25.7	19.9	57.4	19.9	57.4	17.3	5.4	24.8	26.5
Oman	714	9.1	8.5	85.1	8.5	85.1	5.6	0.8	9.0	9.1
Palestinian Nat'l Auth.	557	5.6	5.3	88.5	5.3	88.5	5.0	1.2	6.3	5.0
Portugal	782	15.8	13.3	70.7	13.3	70.7	13.7	2.3	15.2	16.3
Qatar	617	15.6	14.4	77.5	14.4	77.5	4.3	3.8	14.2	16.9
Romania	537	20.8	19.4	73.8	19.4	73.8	5.0	1.9	17.3	24.0
Saudi Arabia	506	9.9	9.6	87.7	9.6	87.7	2.0	0.6	15.1	5.1
Singapore	945	44.3	43.6	54.8	43.6	54.8	1.5	0.1	42.7	45.8
Sweden	722	25.6	21.2	61.5	21.2	61.5	13.0	4.4	23.0	28.3
Turkiye	708	29.1	26.8	65.3	26.8	65.3	7.9	0.0	26.7	31.7
United Arab Emirates	4025	22.1	20.5	72.3	20.5	72.3	5.7	1.5	20.6	23.4
United States	1133	22.5	21.1	72.7	21.1	72.7	3.2	3.0	18.8	26.2
Uzbekistan	629	13.5	12.2	78.3	12.2	78.3	8.6	0.8	12.8	14.2
International Avg. (40)	36582	24.5	22.2	67.7	22.2	67.7	8.5	1.7	22.8	26.0
Abu Dhabi, UAE	1041	14.5	13.5	79.6	13.5	79.6	5.5	1.4	13.8	15.3
Dubai, UAE	1171	36.5	33.2	57.8	33.2	57.8	7.1	1.9	32.5	39.9
Sharjah, UAE	925	18.8	17.4	75.3	17.4	75.3	5.6	1.6	20.9	16.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Reasoning

B_MD5_12 ME82106: Complete the number pyramid - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1198	18.6	17.7	77.6	17.7	77.6	3.6	1.0	16.6	20.7
Austria	676	50.8	48.9	47.4	48.9	47.4	3.1	0.6	50.8	50.7
Azerbaijan	875	26.3	23.4	65.3	23.4	65.3	8.0	3.3	26.4	26.3
Bahrain	737	8.2	7.7	85.9	7.7	85.9	4.7	1.7	8.8	7.7
Brazil	3208	6.7	6.3	87.5	6.3	87.5	4.9	1.3	4.6	8.7
Chile	631	16.2	13.8	71.7	13.8	71.7	11.3	3.1	11.0	22.2
Chinese Taipei	1103	64.2	64.0	35.7	64.0	35.7	0.3	0.0	63.6	64.8
Cyprus	602	30.4	29.0	66.5	29.0	66.5	3.3	1.2	28.4	32.3
Czech Republic	1171	44.8	42.7	52.5	42.7	52.5	4.0	0.8	41.7	47.6
England	599	33.9	31.0	60.4	31.0	60.4	6.6	2.0	31.2	36.6
Finland	847	32.6	29.9	61.8	29.9	61.8	5.5	2.9	33.3	32.0
France	652	35.6	33.4	60.3	33.4	60.3	5.1	1.2	32.6	38.5
Georgia	687	19.7	17.7	72.4	17.7	72.4	8.7	1.2	17.7	21.3
Hong Kong SAR	638	38.2	37.5	60.8	37.5	60.8	1.2	0.4	32.5	43.3
Hungary	801	40.9	39.9	57.7	39.9	57.7	2.4	0.1	42.2	39.6
Ireland	707	27.4	26.2	69.3	26.2	69.3	4.0	0.5	25.4	29.0
Israel	730	26.9	24.7	67.2	24.7	67.2	5.4	2.6	24.6	29.1
Italy	667	17.3	15.9	75.9	15.9	75.9	6.1	2.1	12.8	21.1
Japan	777	63.7	62.1	35.3	62.1	35.3	2.3	0.3	60.5	67.0
Jordan	588	3.9	3.9	94.9	3.9	94.9	1.2	0.0	2.7	5.0
Kazakhstan	906	14.5	13.4	79.4	13.4	79.4	6.5	0.7	13.0	15.8
Korea, Rep. of	839	70.3	68.8	29.0	68.8	29.0	1.5	0.6	69.0	71.6
Lithuania	789	22.9	21.3	71.9	21.3	71.9	6.1	0.7	17.9	27.9
Malaysia	1256	5.6	5.6	93.8	5.6	93.8	0.5	0.1	3.8	7.6
Malta	578	24.0	22.9	72.4	22.9	72.4	4.1	0.7	23.7	24.4
Morocco	748	9.3	8.8	85.0	8.8	85.0	5.3	1.0	5.2	13.2
New Zealand	553	16.3	14.9	76.4	14.9	76.4	6.9	1.8	15.0	17.5
Norway (9)	862	25.2	22.3	66.1	22.3	66.1	7.8	3.8	26.6	24.0
Oman	707	11.9	11.6	86.1	11.6	86.1	2.1	0.2	10.8	12.9
Palestinian Nat'l Auth.	555	3.4	3.3	94.3	3.3	94.3	1.3	1.1	5.3	1.6
Portugal	770	26.0	24.3	69.1	24.3	69.1	4.9	1.7	22.9	28.8
Qatar	609	10.6	10.0	84.8	10.0	84.8	2.0	3.2	11.4	9.9
Romania	536	32.7	31.1	64.0	31.1	64.0	2.4	2.4	30.1	35.0
Saudi Arabia	508	2.3	2.2	95.6	2.2	95.6	1.8	0.4	1.7	2.8
Singapore	940	47.7	47.3	51.9	47.3	51.9	0.7	0.1	43.2	51.7
Sweden	703	30.1	26.6	61.6	26.6	61.6	8.8	3.0	30.6	29.6
Turkiye	708	42.5	40.5	54.7	40.5	54.7	4.7	0.2	39.6	45.7
United Arab Emirates	3960	23.1	22.3	74.1	22.3	74.1	3.0	0.6	20.4	25.7
United States	1100	16.0	15.7	82.0	15.7	82.0	1.8	0.6	12.9	19.1
Uzbekistan	624	6.1	5.7	88.4	5.7	88.4	5.7	0.2	3.6	8.5
International Avg. (40)	36145	26.2	24.9	69.7	24.9	69.7	4.2	1.2	24.3	27.9
Abu Dhabi, UAE	1020	11.2	10.8	85.6	10.8	85.6	2.9	0.6	9.4	12.9
Dubai, UAE	1151	39.2	37.6	58.3	37.6	58.3	3.4	0.7	34.0	43.8
Sharjah, UAE	903	22.2	21.6	76.0	21.6	76.0	2.0	0.4	23.7	20.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

B_MD5_13 ME82807: Probability of member being less than 40 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1213	42.2	40.0	54.9	40.0	54.9	2.8	2.2	42.1	42.0
Austria	666	5.4	4.9	85.7	4.9	85.7	8.2	1.3	4.6	6.1
Azerbaijan	882	21.1	17.7	66.4	17.7	66.4	11.7	4.2	22.9	19.5
Bahrain	748	13.5	12.6	80.7	12.6	80.7	3.7	3.1	13.6	13.5
Brazil	3269	2.7	2.5	87.5	2.5	87.5	6.6	3.3	1.5	4.0
Chile	641	4.5	3.8	80.9	3.8	80.9	9.4	5.9	4.3	4.8
Chinese Taipei	1103	47.6	46.9	51.7	46.9	51.7	1.4	0.0	49.7	45.7
Cyprus	609	20.5	19.0	73.7	19.0	73.7	4.7	2.7	19.9	21.0
Czech Republic	1171	7.4	6.2	77.7	6.2	77.7	14.9	1.3	4.8	9.5
England	602	39.0	35.9	56.1	35.9	56.1	5.5	2.4	37.5	40.6
Finland	854	17.5	15.4	72.4	15.4	72.4	7.9	4.2	15.3	19.5
France	657	19.7	17.9	72.9	17.9	72.9	7.0	2.2	21.9	17.6
Georgia	699	11.1	8.9	71.4	8.9	71.4	16.3	3.4	9.9	12.0
Hong Kong SAR	596	36.7	35.5	61.1	35.5	61.1	2.8	0.7	34.5	38.8
Hungary	801	12.2	11.4	81.9	11.4	81.9	6.6	0.2	11.7	12.7
Ireland	710	45.3	42.7	51.5	42.7	51.5	4.8	1.0	46.8	44.1
Israel	746	14.7	12.6	73.1	12.6	73.1	9.4	4.9	10.9	18.0
Italy	675	18.5	16.1	71.3	16.1	71.3	9.0	3.6	14.2	22.0
Japan	780	62.4	59.6	35.8	59.6	35.8	3.8	0.8	60.6	64.3
Jordan	591	3.7	3.6	93.0	3.6	93.0	2.2	1.2	4.3	3.1
Kazakhstan	922	7.0	6.1	80.8	6.1	80.8	10.1	3.0	6.6	7.4
Korea, Rep. of	838	44.5	42.6	53.1	42.6	53.1	3.7	0.6	40.7	48.4
Lithuania	791	15.7	14.0	75.4	14.0	75.4	9.1	1.4	13.3	18.0
Malaysia	1277	2.7	2.6	93.5	2.6	93.5	2.0	1.9	2.1	3.3
Malta	581	31.3	30.0	65.8	30.0	65.8	2.5	1.7	30.3	32.4
Morocco	761	1.5	1.3	85.2	1.3	85.2	10.4	3.2	2.3	0.7
New Zealand	558	21.1	19.9	74.2	19.9	74.2	3.0	2.9	19.5	22.6
Norway (9)	896	35.3	29.9	54.7	29.9	54.7	8.1	7.3	37.6	33.4
Oman	709	13.6	13.1	83.5	13.1	83.5	2.5	0.9	12.7	14.4
Palestinian Nat'l Auth.	555	4.8	4.6	90.5	4.6	90.5	3.1	1.8	5.2	4.5
Portugal	784	4.3	3.8	84.7	3.8	84.7	8.0	3.5	2.0	6.3
Qatar	617	14.2	13.0	78.8	13.0	78.8	3.5	4.6	13.3	15.0
Romania	537	24.7	22.5	68.8	22.5	68.8	5.5	3.1	28.2	21.6
Saudi Arabia	508	7.8	7.5	89.3	7.5	89.3	2.2	1.0	8.9	6.7
Singapore	944	63.7	62.8	35.8	62.8	35.8	0.8	0.6	65.6	62.0
Sweden	722	35.8	30.1	54.0	30.1	54.0	10.1	5.8	37.1	34.6
Turkiye	708	43.9	43.3	55.2	43.3	55.2	1.3	0.2	41.9	46.2
United Arab Emirates	4020	28.0	26.4	67.8	26.4	67.8	3.5	2.2	26.6	29.5
United States	1133	24.0	22.5	71.3	22.5	71.3	2.3	4.0	22.9	25.0
Uzbekistan	632	3.8	3.5	88.7	3.5	88.7	6.4	1.5	2.3	5.1
International Avg. (40)	36506	21.8	20.3	71.3	20.3	71.3	5.9	2.5	21.2	22.4
Abu Dhabi, UAE	1040	18.5	17.5	77.1	17.5	77.1	2.9	2.4	18.3	18.7
Dubai, UAE	1169	46.1	42.6	49.7	42.6	49.7	4.9	2.7	43.1	48.8
Sharjah, UAE	925	24.4	23.3	72.1	23.3	72.1	2.5	2.1	24.2	24.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MD5_14 ME82309: Percentage of black, white, gray tiles in design - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1214	36.8	34.9	60.0	34.9	60.0	2.0	3.0	34.1	39.4
Austria	677	31.5	29.9	65.2	29.9	65.2	2.8	2.0	25.2	36.8
Azerbaijan	882	28.3	24.9	63.2	24.9	63.2	6.1	5.8	29.1	27.6
Bahrain	749	12.6	12.0	82.9	12.0	82.9	1.2	3.9	11.8	13.5
Brazil	3273	8.5	7.7	82.5	7.7	82.5	4.7	5.1	6.0	11.0
Chile	641	12.6	11.1	77.1	11.1	77.1	5.0	6.8	8.6	17.5
Chinese Taipei	1104	59.7	58.9	39.7	58.9	39.7	0.8	0.6	57.4	61.9
Cyprus	609	30.8	28.8	64.7	28.8	64.7	3.4	3.1	25.7	35.7
Czech Republic	1175	38.6	36.1	57.4	36.1	57.4	3.3	3.2	32.8	43.9
England	602	42.3	39.3	53.7	39.3	53.7	3.9	3.1	34.8	50.3
Finland	855	41.1	37.7	53.9	37.7	53.9	2.8	5.5	37.4	44.7
France	658	29.2	27.0	65.7	27.0	65.7	3.4	3.9	27.1	31.2
Georgia	700	23.5	20.6	67.1	20.6	67.1	6.5	5.9	20.5	26.2
Hong Kong SAR	635	60.8	59.2	38.2	59.2	38.2	1.8	0.8	53.9	67.3
Hungary	802	40.9	39.9	57.7	39.9	57.7	1.5	0.9	40.9	40.9
Ireland	710	48.9	47.1	49.3	47.1	49.3	1.3	2.3	40.8	55.5
Israel	747	30.3	27.3	62.9	27.3	62.9	3.1	6.7	23.8	36.3
Italy	676	28.1	25.3	64.6	25.3	64.6	4.8	5.4	20.1	35.1
Japan	780	61.4	57.1	35.8	57.1	35.8	5.6	1.5	53.7	69.0
Jordan	591	7.8	7.6	90.0	7.6	90.0	0.6	1.8	8.6	7.0
Kazakhstan	923	22.6	20.8	71.4	20.8	71.4	3.3	4.5	20.9	24.0
Korea, Rep. of	839	62.9	61.2	36.1	61.2	36.1	1.8	0.9	57.7	68.1
Lithuania	791	41.7	39.6	55.3	39.6	55.3	3.0	2.1	35.2	48.5
Malaysia	1278	13.3	12.8	83.5	12.8	83.5	0.8	3.0	9.6	17.2
Malta	582	36.4	34.9	61.0	34.9	61.0	1.9	2.2	33.7	39.1
Morocco	763	10.4	9.7	82.9	9.7	82.9	2.4	5.0	7.3	13.4
New Zealand	558	31.5	29.2	63.5	29.2	63.5	4.1	3.2	21.4	40.6
Norway (9)	896	38.9	33.4	52.4	33.4	52.4	3.9	10.4	31.7	45.6
Oman	714	12.8	12.3	84.1	12.3	84.1	2.0	1.6	11.0	14.4
Palestinian Nat'l Auth.	558	7.0	6.8	90.1	6.8	90.1	1.0	2.1	5.0	8.9
Portugal	784	25.5	23.1	67.5	23.1	67.5	3.5	5.8	22.1	28.6
Qatar	617	21.3	19.8	73.2	19.8	73.2	1.8	5.1	17.7	24.6
Romania	537	29.8	27.9	65.7	27.9	65.7	2.0	4.5	29.6	30.0
Saudi Arabia	509	11.1	10.8	86.6	10.8	86.6	0.9	1.8	9.4	12.5
Singapore	945	72.7	71.6	26.9	71.6	26.9	0.5	1.0	73.0	72.3
Sweden	722	47.4	42.5	47.2	42.5	47.2	2.7	7.6	40.9	54.4
Turkiye	708	41.4	40.5	57.3	40.5	57.3	1.9	0.3	39.6	43.5
United Arab Emirates	4025	32.9	30.8	62.8	30.8	62.8	2.5	4.0	28.5	37.1
United States	1133	29.5	27.6	65.9	27.6	65.9	1.2	5.2	25.1	33.8
Uzbekistan	632	22.0	21.0	74.5	21.0	74.5	2.4	2.1	16.2	27.4
International Avg. (40)	36594	32.1	30.2	63.5	30.2	63.5	2.7	3.6	28.2	35.9
Abu Dhabi, UAE	1041	21.5	20.4	74.3	20.4	74.3	1.5	3.8	18.9	24.1
Dubai, UAE	1171	50.9	46.0	44.4	46.0	44.4	4.4	5.2	45.0	56.0
Sharjah, UAE	925	33.5	31.7	63.0	31.7	63.0	1.7	3.6	30.2	36.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_MM1_01 ME82420: Evaluate $x+2x$ given value of x - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	66.4	63.4	32.2	63.4	32.2	3.7	0.7	66.9	65.9
Austria	669	76.6	75.8	23.2	75.8	23.2	1.0	0.0	77.3	75.8
Azerbaijan	882	72.9	66.5	24.7	66.5	24.7	8.5	0.4	77.2	68.4
Bahrain	738	45.8	44.9	53.0	44.9	53.0	2.1	0.0	48.7	43.2
Brazil	3284	23.9	21.9	69.8	21.9	69.8	7.9	0.4	22.6	25.3
Chile	640	31.6	27.0	58.5	27.0	58.5	14.4	0.1	32.3	30.8
Chinese Taipei	780	86.5	86.0	13.4	86.0	13.4	0.6	0.0	87.9	85.2
Cyprus	596	73.8	70.7	25.1	70.7	25.1	4.1	0.0	76.7	70.7
Czech Republic	1154	61.7	56.7	35.2	56.7	35.2	8.1	0.0	65.0	58.2
England	595	71.3	68.4	27.5	68.4	27.5	4.0	0.0	67.0	75.4
Finland	831	60.2	57.4	38.0	57.4	38.0	4.4	0.1	61.3	59.2
France	650	49.5	46.4	47.3	46.4	47.3	6.3	0.0	48.7	50.3
Georgia	694	64.4	61.6	34.1	61.6	34.1	4.3	0.0	65.7	63.1
Hong Kong SAR	631	88.8	88.2	11.1	88.2	11.1	0.7	0.1	89.8	87.9
Hungary	771	68.3	67.4	31.4	67.4	31.4	1.2	0.0	71.6	65.1
Ireland	721	65.1	62.2	33.4	62.2	33.4	4.1	0.2	62.8	67.3
Israel	745	71.2	67.5	27.3	67.5	27.3	5.1	0.1	72.5	69.9
Italy	653	57.3	56.0	41.7	56.0	41.7	2.0	0.2	59.3	55.4
Japan	559	85.9	84.6	13.8	84.6	13.8	1.6	0.0	87.1	84.9
Jordan	994	38.1	37.3	60.7	37.3	60.7	1.9	0.1	47.4	29.4
Kazakhstan	912	55.0	53.0	43.4	53.0	43.4	3.5	0.1	55.1	54.9
Korea, Rep. of	610	88.0	88.0	12.0	88.0	12.0	0.1	0.0	89.4	86.7
Lithuania	772	65.3	63.6	33.8	63.6	33.8	2.4	0.1	67.0	63.3
Malaysia	1254	26.7	26.5	72.8	26.5	72.8	0.6	0.1	28.9	24.4
Malta	576	66.0	63.6	32.7	63.6	32.7	3.7	0.0	67.3	64.5
Morocco	1242	22.0	19.6	69.4	19.6	69.4	10.3	0.8	22.6	21.4
New Zealand	561	49.0	47.0	48.9	47.0	48.9	4.1	0.1	43.2	54.0
Norway (9)	921	58.7	56.1	39.5	56.1	39.5	4.0	0.4	58.7	58.6
Oman	1177	40.8	40.3	58.5	40.3	58.5	1.0	0.3	46.7	35.4
Palestinian Nat'l Auth.	936	33.6	32.8	65.0	32.8	65.0	1.7	0.4	41.5	26.4
Portugal	769	46.2	43.5	50.6	43.5	50.6	6.0	0.0	47.4	45.2
Qatar	614	50.8	49.4	47.9	49.4	47.9	2.5	0.2	49.0	52.3
Romania	526	74.1	72.2	25.3	72.2	25.3	2.5	0.0	80.0	68.7
Saudi Arabia	830	30.2	29.9	69.2	29.9	69.2	0.8	0.1	30.2	30.2
Singapore	678	89.1	88.8	10.9	88.8	10.9	0.2	0.0	88.6	89.5
Sweden	717	74.7	71.7	24.3	71.7	24.3	3.9	0.1	78.3	71.6
Turkiye	703	59.4	55.6	38.1	55.6	38.1	6.3	0.0	62.3	56.9
United Arab Emirates	4666	58.6	57.9	40.8	57.9	40.8	1.1	0.2	57.5	59.7
United States	1165	58.4	56.9	40.6	56.9	40.6	2.0	0.6	58.8	58.0
Uzbekistan	621	47.7	46.0	50.5	46.0	50.5	3.5	0.0	51.0	44.5
International Avg. (40)	38013	58.8	56.8	39.4	56.8	39.4	3.7	0.1	60.3	57.4
Abu Dhabi, UAE	1719	47.8	47.3	51.7	47.3	51.7	0.8	0.2	47.4	48.2
Dubai, UAE	1171	73.7	72.6	25.8	72.6	25.8	1.4	0.2	72.7	74.7
Sharjah, UAE	922	64.7	63.9	34.8	63.9	34.8	1.3	0.0	62.4	67.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

B_MM1_02 ME82726: Click the foods to make the required Iron - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	76.8	76.2	23.0	76.2	23.0	0.1	0.7	74.5	78.9
Austria	669	74.7	74.5	25.2	74.5	25.2	0.3	0.0	70.5	79.1
Azerbaijan	882	52.0	50.7	46.8	50.7	46.8	2.0	0.6	56.2	47.7
Bahrain	738	48.8	48.6	50.9	48.6	50.9	0.4	0.1	50.3	47.5
Brazil	3285	44.6	43.9	54.6	43.9	54.6	1.1	0.4	47.5	41.6
Chile	640	58.2	57.2	41.2	57.2	41.2	1.5	0.1	59.8	56.3
Chinese Taipei	780	72.3	72.0	27.6	72.0	27.6	0.4	0.0	70.8	73.6
Cyprus	596	65.7	65.3	34.1	65.3	34.1	0.6	0.0	66.6	64.8
Czech Republic	1154	84.9	84.5	15.1	84.5	15.1	0.5	0.0	85.8	83.9
England	595	75.3	75.0	24.5	75.0	24.5	0.3	0.2	76.2	74.5
Finland	831	74.2	73.3	25.5	73.3	25.5	1.0	0.2	78.2	70.7
France	651	70.4	69.9	29.5	69.9	29.5	0.6	0.0	70.7	70.1
Georgia	694	44.5	43.7	54.4	43.7	54.4	1.8	0.1	44.8	44.2
Hong Kong SAR	632	73.9	73.6	26.0	73.6	26.0	0.3	0.1	75.8	72.0
Hungary	771	77.2	77.2	22.8	77.2	22.8	0.0	0.0	77.8	76.6
Ireland	721	81.2	80.9	18.7	80.9	18.7	0.1	0.2	82.8	79.6
Israel	745	72.0	71.2	27.7	71.2	27.7	1.0	0.1	72.6	71.4
Italy	653	72.8	72.6	27.1	72.6	27.1	0.0	0.2	73.5	72.1
Japan	558	85.5	84.5	14.3	84.5	14.3	1.2	0.0	86.0	85.0
Jordan	995	31.9	31.8	67.9	31.8	67.9	0.2	0.1	36.1	28.0
Kazakhstan	912	49.4	48.8	49.9	48.8	49.9	1.2	0.1	49.2	49.7
Korea, Rep. of	610	81.3	80.9	18.6	80.9	18.6	0.5	0.0	82.9	79.8
Lithuania	772	76.6	76.4	23.4	76.4	23.4	0.1	0.1	78.1	75.0
Malaysia	1254	39.7	39.6	60.2	39.6	60.2	0.2	0.1	41.6	37.7
Malta	576	71.4	71.2	28.5	71.2	28.5	0.4	0.0	74.3	68.3
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	561	73.6	73.5	26.4	73.5	26.4	0.0	0.1	72.9	74.2
Norway (9)	921	77.8	76.5	21.8	76.5	21.8	1.1	0.6	78.2	77.7
Oman	1177	33.8	33.3	65.2	33.3	65.2	1.2	0.3	39.0	29.0
Palestinian Nat'l Auth.	938	28.1	27.7	71.0	27.7	71.0	0.5	0.7	32.0	24.5
Portugal	770	75.4	75.1	24.5	75.1	24.5	0.4	0.0	76.6	74.2
Qatar	614	56.5	55.9	43.0	55.9	43.0	0.9	0.2	57.2	56.0
Romania	526	68.5	67.8	31.3	67.8	31.3	0.9	0.0	69.6	67.5
Saudi Arabia	832	35.4	35.2	64.3	35.2	64.3	0.4	0.1	38.4	32.5
Singapore	678	84.0	84.0	16.0	84.0	16.0	0.0	0.0	86.7	81.5
Sweden	717	76.3	75.0	23.3	75.0	23.3	1.7	0.1	76.8	75.9
Turkiye	703	68.5	68.3	31.4	68.3	31.4	0.3	0.0	69.7	67.5
United Arab Emirates	4667	58.6	58.1	41.0	58.1	41.0	0.7	0.2	57.4	59.9
United States	1165	67.9	67.5	31.9	67.5	31.9	0.0	0.6	68.6	67.2
Uzbekistan	621	26.7	26.3	72.2	26.3	72.2	1.5	0.0	29.4	24.1
International Avg. (39)	36780	63.8	63.3	35.9	63.3	35.9	0.6	0.2	65.0	62.6
Abu Dhabi, UAE	1719	49.6	49.1	49.9	49.1	49.9	0.8	0.3	49.3	49.9
Dubai, UAE	1171	73.2	72.4	26.4	72.4	26.4	1.0	0.2	70.4	75.8
Sharjah, UAE	922	60.1	59.9	39.8	59.9	39.8	0.2	0.0	59.1	61.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_MM1_03 ME82510: Click the portion with only negative y-values - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	64.5	26.2	5.4	62.5	2.9	2.2	0.8	62.7	65.9
Austria	669	66.4	27.8	4.5	65.7	0.9	1.0	0.0	63.1	69.7
Azerbaijan	882	44.1	31.5	9.2	38.3	7.9	12.5	0.7	44.5	43.7
Bahrain	738	39.4	31.1	17.5	38.3	10.2	2.7	0.1	36.0	42.6
Brazil	3285	33.5	28.6	19.1	30.4	12.5	8.9	0.6	31.3	35.7
Chile	640	40.8	36.7	14.1	38.7	5.4	4.9	0.1	39.2	42.5
Chinese Taipei	780	78.2	15.9	3.7	77.4	2.0	1.0	0.0	78.2	78.1
Cyprus	596	51.1	31.9	9.1	49.0	5.8	4.2	0.0	52.9	49.2
Czech Republic	1154	53.9	29.9	11.4	53.1	4.1	1.5	0.0	48.9	59.2
England	595	62.3	29.2	5.8	60.9	1.9	2.0	0.2	57.7	66.7
Finland	831	55.8	35.1	4.8	53.6	2.6	3.5	0.4	49.0	61.6
France	651	51.1	33.3	9.4	49.8	5.0	2.5	0.0	49.3	52.9
Georgia	694	52.9	27.5	9.9	50.6	7.6	4.3	0.1	52.6	53.2
Hong Kong SAR	632	72.7	19.2	5.2	70.1	1.9	3.5	0.1	69.4	76.1
Hungary	771	64.7	26.1	7.3	64.3	1.6	0.7	0.0	60.3	69.0
Ireland	721	53.9	34.9	8.1	52.4	1.8	2.5	0.2	48.4	59.3
Israel	745	60.2	25.2	8.7	58.7	4.9	2.4	0.1	57.3	63.3
Italy	653	44.9	40.2	10.0	43.6	3.4	2.5	0.2	42.6	46.9
Japan	559	70.5	22.7	4.4	68.9	1.7	2.2	0.0	66.9	73.7
Jordan	995	35.8	33.2	17.6	34.4	10.8	3.9	0.1	38.1	33.7
Kazakhstan	912	49.9	26.8	13.4	48.5	8.5	2.8	0.1	47.3	52.6
Korea, Rep. of	610	78.6	13.0	4.2	77.6	3.9	1.2	0.2	79.9	77.4
Lithuania	772	55.0	35.3	5.8	54.4	3.4	1.0	0.1	51.1	59.2
Malaysia	1254	34.6	31.4	18.8	33.6	13.3	2.8	0.1	32.4	36.7
Malta	576	63.9	24.6	7.5	62.2	3.0	2.8	0.0	61.9	66.2
Morocco	1242	31.8	29.9	15.7	28.1	14.7	10.6	1.0	32.1	31.4
New Zealand	561	49.3	37.2	9.0	48.0	3.3	2.4	0.1	44.0	54.0
Norway (9)	921	54.8	35.8	5.5	53.4	2.8	1.9	0.7	48.8	60.6
Oman	1177	37.8	36.8	14.9	36.2	7.8	4.0	0.3	41.7	34.4
Palestinian Nat'l Auth.	938	32.3	28.4	23.1	29.8	10.9	7.0	0.7	29.9	34.6
Portugal	770	55.1	35.1	6.7	54.4	2.4	1.4	0.0	49.6	60.6
Qatar	614	46.8	31.1	15.2	45.2	5.1	3.3	0.2	48.3	45.4
Romania	526	54.3	27.0	11.6	51.3	4.6	5.5	0.0	57.5	51.5
Saudi Arabia	832	32.9	32.5	17.9	31.7	14.4	3.3	0.1	30.2	35.3
Singapore	678	83.0	10.6	5.0	82.6	1.3	0.5	0.0	80.6	85.2
Sweden	717	57.2	31.4	7.3	54.8	2.4	3.8	0.3	53.3	60.5
Turkiye	703	48.4	28.8	13.5	47.7	8.5	1.3	0.1	45.4	51.1
United Arab Emirates	4667	53.9	30.2	8.7	52.6	6.2	2.1	0.3	48.9	58.8
United States	1165	64.5	25.3	6.9	63.4	2.7	1.1	0.6	62.2	66.6
Uzbekistan	621	31.3	32.5	19.6	28.9	11.2	7.8	0.0	30.4	32.2
International Avg. (40)	38023	52.8	29.2	10.4	51.1	5.6	3.4	0.2	50.6	54.9
Abu Dhabi, UAE	1719	48.5	29.2	11.5	47.1	9.4	2.5	0.3	44.3	52.6
Dubai, UAE	1171	67.9	22.8	6.7	67.0	2.2	1.1	0.3	60.9	74.3
Sharjah, UAE	922	52.2	35.7	5.8	50.8	5.1	2.5	0.1	48.6	55.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Knowing

B_MM1_04 ME82804: Probability of spinner landing on 4 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1173	87.3	86.2	12.5	86.2	12.5	0.4	0.8	85.5	88.9
Austria	642	43.3	41.0	53.6	41.0	53.6	5.3	0.0	34.7	51.7
Azerbaijan	882	46.3	42.8	49.8	42.8	49.8	6.6	0.8	45.8	46.7
Bahrain	738	40.7	39.6	57.8	39.6	57.8	2.3	0.3	38.9	42.2
Brazil	3283	14.0	13.2	80.6	13.2	80.6	5.3	0.9	11.6	16.5
Chile	640	20.4	18.8	73.4	18.8	73.4	7.6	0.1	15.9	25.2
Chinese Taipei	780	83.0	82.8	16.9	82.8	16.9	0.3	0.0	81.2	84.7
Cyprus	595	50.6	47.9	46.7	47.9	46.7	5.4	0.0	45.9	55.6
Czech Republic	1148	45.9	43.7	51.6	43.7	51.6	4.7	0.0	38.0	53.9
England	595	75.2	73.2	24.2	73.2	24.2	2.4	0.2	73.8	76.5
Finland	827	52.5	51.0	46.2	51.0	46.2	2.0	0.7	48.6	55.8
France	651	58.3	56.7	40.6	56.7	40.6	2.7	0.0	54.6	61.8
Georgia	693	31.1	28.6	63.2	28.6	63.2	7.5	0.8	28.3	34.1
Hong Kong SAR	588	70.4	69.5	29.2	69.5	29.2	1.2	0.1	66.4	74.4
Hungary	770	43.1	42.0	55.5	42.0	55.5	2.5	0.0	36.9	48.9
Ireland	721	84.7	84.3	15.2	84.3	15.2	0.2	0.2	81.5	87.8
Israel	745	48.0	44.9	48.6	44.9	48.6	6.3	0.3	43.7	52.0
Italy	653	50.1	47.3	47.0	47.3	47.0	5.4	0.2	43.7	55.7
Japan	559	90.1	89.1	9.8	89.1	9.8	1.0	0.1	89.9	90.2
Jordan	994	14.5	14.1	83.6	14.1	83.6	2.1	0.1	13.0	15.8
Kazakhstan	912	24.4	23.4	72.3	23.4	72.3	4.3	0.1	18.7	30.0
Korea, Rep. of	610	77.2	76.6	22.7	76.6	22.7	0.6	0.2	79.1	75.4
Lithuania	771	50.2	47.4	47.0	47.4	47.0	5.4	0.1	41.0	59.6
Malaysia	1252	9.5	9.4	89.8	9.4	89.8	0.7	0.1	7.2	11.7
Malta	576	65.6	64.7	33.9	64.7	33.9	1.3	0.2	65.3	66.1
Morocco	1242	6.4	5.8	85.5	5.8	85.5	7.6	1.0	4.9	8.0
New Zealand	560	71.1	70.6	28.7	70.6	28.7	0.6	0.1	68.1	73.8
Norway (9)	921	77.8	76.6	21.9	76.6	21.9	0.9	0.7	77.1	78.3
Oman	1177	49.3	48.4	49.8	48.4	49.8	1.5	0.3	54.2	44.8
Palestinian Nat'l Auth.	930	19.9	19.2	77.2	19.2	77.2	2.8	0.8	22.2	17.8
Portugal	769	19.8	18.9	76.5	18.9	76.5	4.6	0.0	15.1	24.2
Qatar	613	44.8	44.0	54.1	44.0	54.1	1.7	0.2	39.0	49.9
Romania	526	41.3	40.1	57.0	40.1	57.0	2.8	0.0	38.5	43.7
Saudi Arabia	829	37.9	37.7	61.7	37.7	61.7	0.5	0.1	40.6	35.4
Singapore	678	79.5	79.5	20.5	79.5	20.5	0.0	0.0	75.6	83.2
Sweden	716	78.4	75.6	20.8	75.6	20.8	3.3	0.3	78.6	78.3
Turkiye	702	65.7	64.3	33.5	64.3	33.5	2.1	0.1	69.0	62.9
United Arab Emirates	4666	53.1	52.5	46.3	52.5	46.3	1.0	0.3	49.5	56.6
United States	1165	65.3	64.7	34.3	64.7	34.3	0.4	0.6	59.8	70.5
Uzbekistan	620	10.3	9.9	86.3	9.9	86.3	3.8	0.0	9.2	11.3
International Avg. (40)	37912	49.9	48.7	48.1	48.7	48.1	2.9	0.3	47.3	52.5
Abu Dhabi, UAE	1719	41.8	41.3	57.4	41.3	57.4	0.9	0.3	39.3	44.3
Dubai, UAE	1171	74.3	73.6	25.5	73.6	25.5	0.6	0.3	71.2	77.1
Sharjah, UAE	922	55.1	54.2	44.1	54.2	44.1	1.5	0.2	50.0	60.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MM1_05 ME82207: Sum of a fraction and 1/4 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1175	38.4	37.1	59.5	37.1	59.5	2.6	0.8	36.9	39.7
Austria	669	53.6	53.0	45.9	53.0	45.9	1.0	0.0	53.1	54.2
Azerbaijan	882	59.1	56.1	38.9	56.1	38.9	4.0	1.0	64.6	53.4
Bahrain	738	25.5	25.4	74.0	25.4	74.0	0.4	0.3	25.8	25.3
Brazil	3282	9.6	9.2	86.9	9.2	86.9	2.8	1.0	10.2	9.0
Chile	640	15.7	15.3	82.1	15.3	82.1	2.4	0.1	19.0	12.1
Chinese Taipei	780	86.4	86.3	13.5	86.3	13.5	0.2	0.0	88.4	84.6
Cyprus	596	53.1	51.9	45.8	51.9	45.8	2.3	0.0	53.6	52.6
Czech Republic	1154	57.4	56.3	41.7	56.3	41.7	1.9	0.1	56.8	58.1
England	595	60.2	59.1	39.1	59.1	39.1	1.7	0.2	58.5	61.8
Finland	831	35.4	33.9	61.8	33.9	61.8	3.6	0.7	36.0	34.9
France	650	34.3	32.7	62.7	32.7	62.7	4.7	0.0	37.8	30.8
Georgia	694	47.9	45.5	49.6	45.5	49.6	4.1	0.8	48.5	47.2
Hong Kong SAR	631	84.9	83.8	14.9	83.8	14.9	1.2	0.1	83.6	86.2
Hungary	771	56.0	55.9	43.9	55.9	43.9	0.2	0.0	57.0	55.2
Ireland	721	40.8	40.2	58.2	40.2	58.2	1.4	0.2	38.4	43.2
Israel	745	47.4	45.5	50.4	45.5	50.4	3.8	0.3	48.8	46.1
Italy	652	55.9	54.7	43.2	54.7	43.2	1.8	0.2	54.5	57.1
Japan	558	82.8	82.4	17.2	82.4	17.2	0.3	0.1	83.9	81.7
Jordan	995	29.8	29.7	69.9	29.7	69.9	0.2	0.2	35.5	24.5
Kazakhstan	912	29.7	29.3	69.4	29.3	69.4	1.2	0.1	29.7	29.7
Korea, Rep. of	610	81.8	81.2	18.0	81.2	18.0	0.4	0.3	82.4	81.2
Lithuania	772	40.3	39.3	58.2	39.3	58.2	2.4	0.1	44.2	36.0
Malaysia	1254	24.8	24.7	74.9	24.7	74.9	0.3	0.1	28.0	21.7
Malta	576	44.8	44.5	54.8	44.5	54.8	0.5	0.2	45.2	44.4
Morocco	1241	38.1	37.1	60.4	37.1	60.4	1.4	1.1	37.3	38.9
New Zealand	561	31.1	30.4	67.5	30.4	67.5	2.0	0.1	28.2	33.6
Norway (9)	921	36.5	34.2	59.6	34.2	59.6	5.6	0.7	37.9	34.9
Oman	1177	34.1	33.7	65.2	33.7	65.2	0.6	0.5	40.7	28.1
Palestinian Nat'l Auth.	937	31.3	30.6	67.1	30.6	67.1	1.3	1.0	42.5	21.1
Portugal	770	46.2	45.8	53.2	45.8	53.2	0.8	0.1	45.8	46.6
Qatar	614	37.5	36.9	61.4	36.9	61.4	1.0	0.7	37.9	37.2
Romania	526	58.5	57.2	40.6	57.2	40.6	2.0	0.1	61.8	55.6
Saudi Arabia	832	14.5	14.4	85.0	14.4	85.0	0.5	0.1	17.8	11.4
Singapore	678	86.7	86.7	13.3	86.7	13.3	0.0	0.0	88.6	84.9
Sweden	717	38.7	36.9	58.4	36.9	58.4	4.4	0.3	38.2	39.2
Turkiye	703	59.8	58.9	39.6	58.9	39.6	1.3	0.2	63.3	56.6
United Arab Emirates	4667	51.1	50.6	48.4	50.6	48.4	0.6	0.3	51.2	51.0
United States	1165	38.4	37.9	60.9	37.9	60.9	0.6	0.6	36.0	40.7
Uzbekistan	621	35.5	35.3	64.1	35.3	64.1	0.6	0.0	36.1	34.8
International Avg. (40)	38013	45.8	45.0	53.0	45.0	53.0	1.7	0.3	47.1	44.6
Abu Dhabi, UAE	1719	42.2	41.7	57.3	41.7	57.3	0.6	0.4	44.5	39.9
Dubai, UAE	1171	64.4	63.6	35.1	63.6	35.1	1.0	0.3	63.2	65.5
Sharjah, UAE	922	55.0	54.8	44.7	54.8	44.7	0.3	0.2	52.9	57.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MM1_06 ME82219: Number C represents on the line - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	63.4	60.5	34.9	60.5	34.9	3.7	0.9	51.4	73.5
Austria	669	70.7	68.9	28.5	68.9	28.5	2.5	0.0	64.7	76.7
Azerbaijan	881	43.2	37.4	49.1	37.4	49.1	12.5	1.0	40.3	46.0
Bahrain	737	29.5	29.0	69.1	29.0	69.1	1.6	0.3	25.3	33.4
Brazil	3281	18.6	16.9	74.0	16.9	74.0	7.9	1.1	14.8	22.4
Chile	640	32.0	28.6	60.6	28.6	60.6	10.7	0.1	30.1	34.0
Chinese Taipei	780	77.1	76.4	22.7	76.4	22.7	0.9	0.0	71.6	82.2
Cyprus	596	47.2	44.7	49.9	44.7	49.9	5.4	0.0	45.1	49.4
Czech Republic	1153	64.9	62.7	33.8	62.7	33.8	3.3	0.2	61.2	69.0
England	595	69.5	67.4	29.5	67.4	29.5	2.9	0.2	63.9	74.9
Finland	829	62.5	59.3	35.7	59.3	35.7	4.3	0.7	60.4	64.2
France	651	53.8	51.2	44.0	51.2	44.0	4.8	0.0	48.4	58.8
Georgia	694	35.6	31.9	57.9	31.9	57.9	9.4	0.8	29.9	41.5
Hong Kong SAR	631	79.7	79.1	20.1	79.1	20.1	0.6	0.1	77.5	81.9
Hungary	770	67.7	65.8	31.4	65.8	31.4	2.8	0.0	62.3	72.6
Ireland	721	65.9	65.0	33.7	65.0	33.7	1.1	0.2	59.9	71.7
Israel	745	48.9	46.4	48.4	46.4	48.4	4.7	0.4	42.5	55.2
Italy	653	49.9	47.2	47.4	47.2	47.4	5.2	0.2	41.9	57.1
Japan	559	89.6	87.2	10.1	87.2	10.1	2.6	0.1	89.9	89.3
Jordan	995	10.0	9.9	88.9	9.9	88.9	1.0	0.2	8.4	11.6
Kazakhstan	910	29.8	28.2	66.4	28.2	66.4	5.2	0.2	27.4	32.1
Korea, Rep. of	610	77.1	75.8	22.5	75.8	22.5	1.3	0.3	76.6	77.6
Lithuania	771	50.6	47.0	46.0	47.0	46.0	6.8	0.1	48.7	52.5
Malaysia	1254	29.6	29.6	70.2	29.6	70.2	0.1	0.1	27.3	32.0
Malta	576	72.8	72.3	27.0	72.3	27.0	0.6	0.2	68.8	77.2
Morocco	1241	21.8	20.2	72.3	20.2	72.3	6.0	1.6	18.8	25.1
New Zealand	560	64.4	63.2	35.0	63.2	35.0	1.7	0.1	56.2	71.6
Norway (9)	921	65.8	63.2	32.9	63.2	32.9	3.3	0.7	62.9	68.3
Oman	1176	24.9	24.2	73.1	24.2	73.1	2.2	0.5	24.3	25.3
Palestinian Nat'l Auth.	936	12.5	12.0	84.3	12.0	84.3	2.7	1.0	11.9	13.1
Portugal	770	42.0	39.7	54.7	39.7	54.7	5.5	0.1	35.5	48.1
Qatar	614	34.4	33.3	63.4	33.3	63.4	2.7	0.7	29.1	39.1
Romania	526	33.8	31.7	62.1	31.7	62.1	6.1	0.1	33.4	34.1
Saudi Arabia	832	12.9	12.6	85.6	12.6	85.6	1.6	0.1	10.4	15.2
Singapore	678	87.3	87.3	12.7	87.3	12.7	0.0	0.0	87.4	87.3
Sweden	717	75.3	72.3	23.8	72.3	23.8	3.1	0.8	70.5	79.2
Turkiye	702	35.9	33.3	59.3	33.3	59.3	7.2	0.2	30.3	40.7
United Arab Emirates	4666	45.3	44.4	53.7	44.4	53.7	1.4	0.4	37.2	53.1
United States	1165	46.1	45.3	52.9	45.3	52.9	1.1	0.7	36.6	55.1
Uzbekistan	621	20.1	18.7	74.4	18.7	74.4	6.7	0.2	17.7	22.4
International Avg. (40)	38002	49.1	47.2	48.5	47.2	48.5	3.8	0.4	45.0	52.9
Abu Dhabi, UAE	1719	35.0	34.4	63.8	34.4	63.8	1.1	0.6	27.2	42.6
Dubai, UAE	1171	64.6	63.5	34.8	63.5	34.8	1.5	0.3	55.5	72.9
Sharjah, UAE	921	47.2	46.2	51.6	46.2	51.6	2.1	0.2	39.0	55.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MM1_07 ME82415: Use perimeter of the quadrilateral to find x - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1175	50.8	46.8	45.3	46.8	45.3	7.1	0.9	45.1	55.6
Austria	669	51.1	46.2	44.2	46.2	44.2	9.3	0.3	55.1	47.1
Azerbaijan	882	59.0	48.2	33.6	48.2	33.6	16.5	1.7	63.4	54.6
Bahrain	734	31.3	29.8	65.4	29.8	65.4	4.4	0.4	31.5	31.2
Brazil	3284	22.9	20.6	69.3	20.6	69.3	8.6	1.4	23.6	22.2
Chile	640	25.1	20.1	59.9	20.1	59.9	19.6	0.4	28.2	21.7
Chinese Taipei	780	77.3	76.0	22.3	76.0	22.3	1.7	0.0	77.5	77.2
Cyprus	596	64.1	58.4	32.8	58.4	32.8	8.6	0.3	67.9	60.2
Czech Republic	1154	46.4	41.4	47.8	41.4	47.8	10.6	0.3	49.3	43.5
England	595	54.3	46.4	39.1	46.4	39.1	14.4	0.2	51.1	57.2
Finland	831	50.7	45.8	44.5	45.8	44.5	8.8	0.9	55.0	47.0
France	649	46.6	41.5	47.7	41.5	47.7	10.8	0.0	48.8	44.4
Georgia	693	47.8	42.1	46.1	42.1	46.1	10.9	1.0	47.3	48.2
Hong Kong SAR	632	77.8	75.6	21.6	75.6	21.6	2.7	0.1	76.1	79.5
Hungary	771	51.1	48.0	45.9	48.0	45.9	6.1	0.0	51.7	50.6
Ireland	721	55.3	48.6	39.3	48.6	39.3	11.8	0.2	54.6	56.1
Israel	745	61.0	56.9	36.4	56.9	36.4	6.1	0.6	60.9	61.0
Italy	653	51.3	44.9	42.6	44.9	42.6	12.2	0.2	58.0	45.4
Japan	558	67.4	62.7	30.3	62.7	30.3	6.9	0.1	70.0	65.1
Jordan	995	23.8	22.9	73.4	22.9	73.4	3.3	0.4	25.7	22.1
Kazakhstan	911	39.0	35.7	55.7	35.7	55.7	8.0	0.6	40.5	37.7
Korea, Rep. of	610	84.1	82.8	15.7	82.8	15.7	1.1	0.3	86.1	82.1
Lithuania	772	56.5	50.5	39.0	50.5	39.0	10.3	0.1	53.4	59.8
Malaysia	1254	20.0	19.9	79.5	19.9	79.5	0.4	0.1	23.3	16.7
Malta	576	48.1	43.2	46.5	43.2	46.5	10.1	0.2	49.1	47.1
Morocco	1242	21.7	18.8	68.0	18.8	68.0	11.2	1.9	23.4	20.0
New Zealand	561	43.2	40.1	52.8	40.1	52.8	7.0	0.1	38.0	47.7
Norway (9)	921	50.5	43.7	42.8	43.7	42.8	12.8	0.7	56.6	45.1
Oman	1171	24.7	23.4	71.5	23.4	71.5	4.3	0.8	29.2	20.5
Palestinian Nat'l Auth.	930	22.9	21.9	73.9	21.9	73.9	3.1	1.1	27.6	18.6
Portugal	770	42.3	37.9	51.9	37.9	51.9	9.7	0.5	46.2	38.7
Qatar	614	41.0	39.1	56.1	39.1	56.1	4.0	0.8	37.9	43.7
Romania	525	63.1	60.0	35.1	60.0	35.1	4.8	0.1	70.6	56.7
Saudi Arabia	827	21.6	21.3	77.3	21.3	77.3	1.2	0.2	23.8	19.5
Singapore	678	78.2	77.7	21.7	77.7	21.7	0.6	0.0	80.6	75.9
Sweden	716	65.6	57.8	30.2	57.8	30.2	11.1	0.9	67.4	64.2
Turkiye	700	56.6	52.4	40.2	52.4	40.2	7.2	0.2	56.9	56.3
United Arab Emirates	4665	47.0	45.0	50.8	45.0	50.8	3.6	0.6	44.5	49.3
United States	1165	44.9	43.7	53.5	43.7	53.5	1.9	0.9	41.2	48.4
Uzbekistan	620	30.5	28.6	65.2	28.6	65.2	5.5	0.6	29.3	31.8
International Avg. (40)	37985	47.9	44.2	47.9	44.2	47.9	7.5	0.5	49.2	46.7
Abu Dhabi, UAE	1718	34.3	32.9	63.0	32.9	63.0	3.3	0.8	31.5	37.0
Dubai, UAE	1170	66.4	63.3	32.0	63.3	32.0	4.1	0.5	64.9	67.7
Sharjah, UAE	922	49.5	47.5	48.4	47.5	48.4	3.7	0.4	46.8	52.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM1_08 ME82314: Select rows with ratio 4:1, red to blue (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	41.4	40.6	57.4	40.6	57.4	1.0	1.0	33.2	48.5
Austria	669	45.0	44.3	54.3	44.3	54.3	1.1	0.3	44.0	46.0
Azerbaijan	882	49.5	46.4	47.5	46.4	47.5	4.1	2.0	50.4	48.5
Bahrain	738	26.8	26.3	72.0	26.3	72.0	0.9	0.7	27.1	26.5
Brazil	3285	13.7	13.2	83.2	13.2	83.2	2.1	1.5	11.2	16.1
Chile	640	24.8	23.8	72.3	23.8	72.3	3.3	0.6	25.3	24.3
Chinese Taipei	780	78.5	78.4	21.4	78.4	21.4	0.2	0.0	80.2	77.0
Cyprus	596	42.9	42.5	56.6	42.5	56.6	0.6	0.3	41.1	44.7
Czech Republic	1154	50.6	50.0	48.8	50.0	48.8	0.9	0.3	47.2	54.3
England	595	49.0	48.4	50.5	48.4	50.5	0.9	0.2	43.6	54.1
Finland	831	43.0	42.1	55.8	42.1	55.8	1.1	1.0	38.3	47.0
France	651	32.2	31.5	66.3	31.5	66.3	2.2	0.0	30.3	34.1
Georgia	694	34.8	33.8	63.2	33.8	63.2	1.9	1.1	31.5	38.2
Hong Kong SAR	632	68.4	68.4	31.5	68.4	31.5	0.0	0.1	69.1	67.8
Hungary	771	52.5	52.4	47.4	52.4	47.4	0.2	0.0	48.2	56.6
Ireland	721	47.1	46.3	52.0	46.3	52.0	1.3	0.4	39.3	55.0
Israel	745	52.4	51.5	46.8	51.5	46.8	0.8	0.9	49.3	55.5
Italy	653	46.5	45.7	52.6	45.7	52.6	1.5	0.2	44.9	48.0
Japan	559	83.7	83.3	16.3	83.3	16.3	0.3	0.1	81.7	85.5
Jordan	995	12.3	12.2	86.5	12.2	86.5	0.7	0.6	13.6	11.1
Kazakhstan	912	30.9	30.5	68.1	30.5	68.1	0.8	0.6	25.6	36.2
Korea, Rep. of	610	79.2	78.7	20.7	78.7	20.7	0.2	0.3	81.8	76.6
Lithuania	772	45.5	45.2	54.2	45.2	54.2	0.4	0.1	42.4	48.9
Malaysia	1254	19.5	19.4	80.1	19.4	80.1	0.3	0.1	18.5	20.5
Malta	576	38.3	37.8	60.8	37.8	60.8	1.0	0.3	37.3	39.4
Morocco	1242	9.0	8.5	86.9	8.5	86.9	1.7	2.9	8.0	10.0
New Zealand	561	38.0	37.7	61.5	37.7	61.5	0.8	0.1	30.4	44.7
Norway (9)	921	38.1	37.1	60.1	37.1	60.1	2.0	0.8	36.3	40.0
Oman	1177	17.3	16.9	81.0	16.9	81.0	1.3	0.8	19.4	15.4
Palestinian Nat'l Auth.	938	12.9	12.7	85.4	12.7	85.4	0.8	1.1	17.0	9.3
Portugal	770	33.7	33.3	65.5	33.3	65.5	0.8	0.5	28.5	38.8
Qatar	614	32.9	32.0	65.3	32.0	65.3	1.9	0.8	33.6	32.3
Romania	526	39.9	39.5	59.6	39.5	59.6	0.8	0.1	39.1	40.5
Saudi Arabia	832	18.9	18.7	80.1	18.7	80.1	0.7	0.5	21.7	16.3
Singapore	678	71.7	71.7	28.3	71.7	28.3	0.0	0.0	73.4	70.1
Sweden	717	43.2	41.3	54.3	41.3	54.3	3.2	1.2	39.9	45.9
Turkiye	703	60.1	59.9	39.8	59.9	39.8	0.2	0.1	57.8	62.0
United Arab Emirates	4667	42.7	42.1	56.5	42.1	56.5	0.4	0.9	40.7	44.6
United States	1165	47.2	46.5	52.0	46.5	52.0	0.5	1.1	44.5	49.7
Uzbekistan	621	16.8	16.2	80.3	16.2	80.3	2.6	0.8	15.8	17.7
International Avg. (40)	38023	40.8	40.2	58.1	40.2	58.1	1.1	0.6	39.0	42.4
Abu Dhabi, UAE	1719	31.8	31.2	66.8	31.2	66.8	0.3	1.7	30.8	32.8
Dubai, UAE	1171	59.1	58.5	40.4	58.5	40.4	0.6	0.4	56.5	61.5
Sharjah, UAE	922	46.7	46.4	52.9	46.4	52.9	0.3	0.4	44.0	49.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM1_08A ME82314A: Select rows with ratio 4:1, red to blue - Row 1 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	76.6	22.7	74.3	2.0	1.0	70.2	82.1
Austria	669	81.6	18.1	80.1	1.5	0.3	76.5	86.7
Azerbaijan	882	78.2	20.3	72.8	4.9	2.1	80.0	76.4
Bahrain	738	62.8	36.3	61.3	1.7	0.7	59.0	66.2
Brazil	3285	50.7	47.2	48.6	2.7	1.5	47.7	53.7
Chile	640	65.2	32.9	61.5	5.0	0.6	62.3	68.3
Chinese Taipei	780	96.1	3.9	95.9	0.2	0.0	96.0	96.1
Cyprus	596	80.2	19.5	79.1	1.1	0.3	80.3	80.2
Czech Republic	1154	85.0	14.7	83.3	1.6	0.3	82.1	88.0
England	595	80.2	19.5	79.0	1.3	0.2	78.5	81.9
Finland	831	80.9	18.7	78.9	1.4	1.0	78.6	82.8
France	651	69.6	29.5	67.5	3.0	0.0	66.5	72.6
Georgia	694	80.1	19.0	76.5	3.4	1.1	82.2	77.9
Hong Kong SAR	632	94.0	6.0	93.9	0.0	0.1	95.6	92.5
Hungary	771	83.1	16.9	82.9	0.2	0.0	80.2	85.8
Ireland	721	84.5	15.2	83.1	1.3	0.4	80.3	88.8
Israel	745	85.9	13.8	84.2	0.9	1.0	86.1	85.7
Italy	653	83.9	15.7	82.3	1.7	0.2	83.9	84.0
Japan	559	97.2	2.8	96.8	0.3	0.1	97.3	97.2
Jordan	995	47.4	51.6	46.5	1.4	0.6	47.8	47.0
Kazakhstan	912	67.9	31.3	66.3	1.7	0.7	64.5	71.3
Korea, Rep. of	610	94.7	5.3	94.2	0.2	0.3	96.2	93.3
Lithuania	772	79.4	20.4	78.5	0.9	0.1	76.1	82.9
Malaysia	1254	61.6	38.2	61.3	0.3	0.1	63.2	60.1
Malta	576	74.9	24.6	73.6	1.4	0.3	72.6	77.5
Morocco	1242	60.4	37.5	57.2	2.3	2.9	59.6	61.3
New Zealand	561	73.6	26.0	72.6	1.2	0.1	70.5	76.4
Norway (9)	921	73.0	26.1	70.4	2.7	0.8	69.4	76.3
Oman	1177	59.1	39.8	57.5	1.9	0.8	58.9	59.2
Palestinian Nat'l Auth.	938	51.7	47.2	50.6	0.9	1.2	55.8	48.2
Portugal	770	72.4	27.1	71.0	1.5	0.5	67.1	77.5
Qatar	614	67.4	31.5	65.3	2.3	0.8	64.7	69.8
Romania	526	77.4	22.4	76.6	0.9	0.1	80.6	74.6
Saudi Arabia	832	55.3	44.0	54.5	1.0	0.5	55.7	55.0
Singapore	678	94.8	5.2	94.8	0.0	0.0	94.4	95.2
Sweden	717	80.3	18.6	75.9	4.2	1.3	78.9	81.6
Turkiye	703	82.6	17.3	81.9	0.6	0.2	85.0	80.4
United Arab Emirates	4667	71.2	28.3	69.8	0.9	1.0	69.0	73.2
United States	1165	79.2	20.4	77.8	0.7	1.1	76.3	81.9
Uzbekistan	621	58.3	40.1	56.1	3.0	0.8	58.9	57.7
International Avg. (40)	38023	75.0	24.4	73.4	1.6	0.6	73.7	76.2
Abu Dhabi, UAE	1719	62.7	36.3	61.1	1.0	1.7	61.1	64.3
Dubai, UAE	1171	84.9	14.8	83.7	0.9	0.5	82.3	87.3
Sharjah, UAE	922	74.8	24.9	73.9	0.6	0.5	71.7	77.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM1_08B ME82314B: Select rows with ratio 4:1, red to blue - Row 2 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	81.7	79.3	17.8	2.0	1.0	78.4	84.4
Austria	669	80.3	78.9	19.3	1.5	0.3	75.4	85.3
Azerbaijan	882	80.9	75.3	17.7	4.9	2.1	80.9	81.0
Bahrain	738	64.5	62.9	34.6	1.7	0.7	63.8	65.1
Brazil	3285	51.2	49.1	46.7	2.7	1.5	47.5	54.9
Chile	640	64.5	60.9	33.5	5.0	0.6	62.7	66.5
Chinese Taipei	780	96.2	96.1	3.7	0.2	0.0	96.7	95.8
Cyprus	596	82.3	81.1	17.5	1.1	0.3	81.0	83.6
Czech Republic	1154	83.3	81.6	16.4	1.6	0.3	80.9	85.8
England	595	84.4	83.1	15.3	1.3	0.2	81.1	87.6
Finland	831	82.6	80.6	17.0	1.4	1.0	79.2	85.5
France	651	70.5	68.4	28.6	3.0	0.0	71.5	69.6
Georgia	694	79.1	75.6	19.9	3.4	1.1	74.2	84.1
Hong Kong SAR	632	91.7	91.6	8.3	0.0	0.1	91.0	92.4
Hungary	771	86.3	86.1	13.7	0.2	0.0	82.5	89.9
Ireland	721	86.4	85.0	13.3	1.3	0.4	80.2	92.7
Israel	745	84.4	82.7	15.3	0.9	1.0	84.2	84.5
Italy	653	74.5	73.1	25.0	1.7	0.2	76.7	72.5
Japan	559	97.4	97.0	2.6	0.3	0.1	96.5	98.2
Jordan	995	59.4	58.2	39.8	1.4	0.6	61.4	57.6
Kazakhstan	912	73.8	72.0	25.6	1.7	0.7	71.1	76.4
Korea, Rep. of	610	91.4	90.9	8.5	0.2	0.3	92.0	90.9
Lithuania	772	81.5	80.7	18.3	0.9	0.1	80.3	82.8
Malaysia	1254	57.9	57.7	41.9	0.3	0.1	59.3	56.6
Malta	576	80.7	79.2	19.0	1.4	0.3	78.2	83.3
Morocco	1242	46.2	43.8	51.0	2.3	2.9	45.3	47.2
New Zealand	561	79.4	78.3	20.4	1.2	0.1	75.2	83.0
Norway (9)	921	82.0	79.1	17.3	2.7	0.8	80.7	83.2
Oman	1177	55.6	54.1	43.2	1.9	0.8	56.2	55.1
Palestinian Nat'l Auth.	938	62.0	60.7	37.2	0.9	1.2	64.7	59.7
Portugal	770	70.5	69.1	28.9	1.5	0.5	66.5	74.3
Qatar	614	71.3	69.1	27.8	2.3	0.8	70.3	72.2
Romania	526	77.2	76.5	22.5	0.9	0.1	78.1	76.5
Saudi Arabia	832	63.8	62.9	35.6	1.0	0.5	66.4	61.4
Singapore	678	94.1	94.1	5.9	0.0	0.0	94.5	93.6
Sweden	717	80.0	75.6	18.9	4.2	1.3	78.7	81.0
Turkiye	703	86.6	85.9	13.3	0.6	0.2	87.1	86.3
United Arab Emirates	4667	77.1	75.7	22.4	0.9	1.0	75.7	78.5
United States	1165	86.0	84.6	13.7	0.7	1.1	85.1	86.9
Uzbekistan	621	62.6	60.2	35.9	3.0	0.8	60.4	64.7
International Avg. (40)	38023	76.5	74.9	22.8	1.6	0.6	75.3	77.8
Abu Dhabi, UAE	1719	71.2	69.3	28.1	1.0	1.7	70.0	72.3
Dubai, UAE	1171	86.8	85.6	13.0	0.9	0.5	85.9	87.7
Sharjah, UAE	922	78.5	77.6	21.3	0.6	0.5	75.6	81.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM1_08C ME82314C: Select rows with ratio 4:1, red to blue - Row 3 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	70.0	68.0	29.1	2.0	1.0	64.1	75.0
Austria	669	73.5	72.2	26.0	1.5	0.3	69.6	77.4
Azerbaijan	882	74.7	69.5	23.5	4.9	2.1	74.1	75.3
Bahrain	738	57.9	56.5	41.1	1.7	0.7	55.5	60.1
Brazil	3285	44.7	42.8	53.0	2.7	1.5	42.8	46.6
Chile	640	55.1	52.0	42.4	5.0	0.6	54.2	56.1
Chinese Taipei	780	88.9	88.7	11.1	0.2	0.0	91.0	86.9
Cyprus	596	71.3	70.3	28.3	1.1	0.3	69.9	72.6
Czech Republic	1154	76.1	74.6	23.5	1.6	0.3	73.5	78.8
England	595	73.9	72.8	25.7	1.3	0.2	69.8	77.8
Finland	831	73.3	71.5	26.1	1.4	1.0	67.8	77.9
France	651	62.9	61.0	35.9	3.0	0.0	61.6	64.3
Georgia	694	60.6	57.9	37.7	3.4	1.1	58.4	62.8
Hong Kong SAR	632	83.7	83.6	16.3	0.0	0.1	83.1	84.3
Hungary	771	82.6	82.4	17.3	0.2	0.0	81.3	83.8
Ireland	721	75.8	74.6	23.8	1.3	0.4	69.5	82.2
Israel	745	74.7	73.2	24.8	0.9	1.0	74.1	75.3
Italy	653	75.8	74.4	23.7	1.7	0.2	70.3	80.8
Japan	559	94.2	93.7	5.8	0.3	0.1	93.4	94.9
Jordan	995	49.8	48.8	49.2	1.4	0.6	47.3	52.0
Kazakhstan	912	62.4	60.9	36.7	1.7	0.7	61.8	62.9
Korea, Rep. of	610	86.7	86.2	13.3	0.2	0.3	88.7	84.7
Lithuania	772	74.6	73.9	25.1	0.9	0.1	70.9	78.7
Malaysia	1254	47.4	47.1	52.4	0.3	0.1	46.0	48.7
Malta	576	68.3	67.1	31.2	1.4	0.3	66.5	70.2
Morocco	1242	41.4	39.3	55.5	2.3	2.9	39.7	43.3
New Zealand	561	69.2	68.3	30.4	1.2	0.1	64.0	73.8
Norway (9)	921	72.8	70.2	26.2	2.7	0.8	69.4	76.0
Oman	1177	50.2	48.8	48.5	1.9	0.8	47.2	52.9
Palestinian Nat'l Auth.	938	52.8	51.7	46.2	0.9	1.2	51.0	54.5
Portugal	770	60.5	59.3	38.7	1.5	0.5	57.1	63.8
Qatar	614	60.4	58.5	38.3	2.3	0.8	60.5	60.3
Romania	526	68.0	67.3	31.7	0.9	0.1	66.9	68.9
Saudi Arabia	832	56.4	55.6	42.9	1.0	0.5	58.6	54.4
Singapore	678	85.9	85.9	14.1	0.0	0.0	86.2	85.6
Sweden	717	72.0	68.1	26.5	4.2	1.3	68.2	75.1
Turkiye	703	83.6	82.9	16.3	0.6	0.2	84.4	82.9
United Arab Emirates	4667	68.0	66.7	31.4	0.9	1.0	64.6	71.2
United States	1165	77.4	76.0	22.2	0.7	1.1	73.7	80.7
Uzbekistan	621	49.7	47.8	48.3	3.0	0.8	49.8	49.7
International Avg. (40)	38023	68.2	66.8	31.0	1.6	0.6	66.2	70.1
Abu Dhabi, UAE	1719	61.9	60.2	37.1	1.0	1.7	59.2	64.4
Dubai, UAE	1171	79.2	78.0	20.5	0.9	0.5	77.3	80.8
Sharjah, UAE	922	70.0	69.1	29.7	0.6	0.5	64.7	75.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM1_08D ME82314D: Select rows with ratio 4:1, red to blue - Row 4 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	80.6	18.8	78.3	2.0	1.0	77.4	83.4
Austria	669	79.1	20.6	77.7	1.5	0.3	78.0	80.1
Azerbaijan	882	80.9	17.8	75.2	4.9	2.1	84.6	77.1
Bahrain	738	77.2	22.3	75.3	1.7	0.7	78.7	75.8
Brazil	3285	77.2	21.8	73.9	2.7	1.5	77.0	77.4
Chile	640	82.0	17.0	77.4	5.0	0.6	83.9	79.9
Chinese Taipei	780	96.3	3.7	96.1	0.2	0.0	96.4	96.2
Cyprus	596	79.8	20.0	78.6	1.1	0.3	80.3	79.1
Czech Republic	1154	85.2	14.5	83.5	1.6	0.3	82.9	87.6
England	595	81.6	18.1	80.3	1.3	0.2	79.1	84.0
Finland	831	75.4	24.0	73.6	1.4	1.0	73.0	77.5
France	651	76.0	23.2	73.7	3.0	0.0	72.9	79.0
Georgia	694	82.4	16.8	78.7	3.4	1.1	82.3	82.4
Hong Kong SAR	632	92.3	7.7	92.2	0.0	0.1	93.1	91.4
Hungary	771	83.8	16.2	83.6	0.2	0.0	81.2	86.2
Ireland	721	82.2	17.5	80.8	1.3	0.4	79.4	85.0
Israel	745	86.0	13.7	84.3	0.9	1.0	84.9	87.0
Italy	653	85.7	14.0	84.1	1.7	0.2	83.6	87.6
Japan	559	95.1	4.9	94.7	0.3	0.1	95.3	95.0
Jordan	995	70.6	28.9	69.2	1.4	0.6	72.5	68.8
Kazakhstan	912	74.7	24.7	72.9	1.7	0.7	71.2	78.2
Korea, Rep. of	610	94.3	5.7	93.8	0.2	0.3	94.7	93.9
Lithuania	772	81.7	18.1	80.8	0.9	0.1	82.2	81.2
Malaysia	1254	77.6	22.3	77.2	0.3	0.1	78.5	76.7
Malta	576	80.1	19.5	78.7	1.4	0.3	78.8	81.6
Morocco	1242	77.6	21.2	73.5	2.3	2.9	78.7	76.4
New Zealand	561	77.9	21.8	76.9	1.2	0.1	75.1	80.4
Norway (9)	921	76.0	23.2	73.3	2.7	0.8	74.5	77.4
Oman	1177	78.6	20.9	76.5	1.9	0.8	82.4	75.1
Palestinian Nat'l Auth.	938	67.5	31.8	66.1	0.9	1.2	72.9	62.8
Portugal	770	79.2	20.4	77.6	1.5	0.5	78.0	80.3
Qatar	614	79.6	19.7	77.2	2.3	0.8	83.8	76.1
Romania	526	84.8	15.0	84.0	0.9	0.1	84.0	85.6
Saudi Arabia	832	73.0	26.6	71.9	1.0	0.5	77.2	69.1
Singapore	678	92.5	7.5	92.5	0.0	0.0	94.0	91.1
Sweden	717	81.5	17.5	77.0	4.2	1.3	77.5	84.7
Turkiye	703	84.0	15.9	83.3	0.6	0.2	84.6	83.4
United Arab Emirates	4667	81.8	17.8	80.3	0.9	1.0	81.2	82.4
United States	1165	80.8	18.9	79.4	0.7	1.1	80.3	81.3
Uzbekistan	621	68.7	30.1	66.1	3.0	0.8	65.6	71.8
International Avg. (40)	38023	81.0	18.5	79.3	1.6	0.6	80.8	81.2
Abu Dhabi, UAE	1719	74.3	25.0	72.4	1.0	1.7	73.3	75.3
Dubai, UAE	1171	89.6	10.2	88.3	0.9	0.5	88.6	90.6
Sharjah, UAE	922	84.8	15.1	83.8	0.6	0.5	83.9	85.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MM1_08E ME82314E: Select rows with ratio 4:1, red to blue - Row 5 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	69.0	30.1	67.0	2.0	1.0	63.7	73.6
Austria	669	71.6	27.9	70.3	1.5	0.3	70.8	72.4
Azerbaijan	882	76.3	22.0	71.0	4.9	2.1	76.2	76.5
Bahrain	738	71.9	27.4	70.1	1.7	0.7	75.5	68.6
Brazil	3285	72.2	26.6	69.2	2.7	1.5	71.6	72.8
Chile	640	73.5	25.1	69.3	5.0	0.6	76.4	70.3
Chinese Taipei	780	91.5	8.5	91.3	0.2	0.0	91.2	91.8
Cyprus	596	75.5	24.2	74.5	1.1	0.3	76.6	74.4
Czech Republic	1154	79.4	20.2	77.9	1.6	0.3	78.2	80.8
England	595	76.0	23.6	74.9	1.3	0.2	72.3	79.6
Finland	831	71.4	28.0	69.7	1.4	1.0	69.5	73.0
France	651	67.0	32.0	65.0	3.0	0.0	64.8	69.1
Georgia	694	75.3	23.6	71.9	3.4	1.1	73.0	77.6
Hong Kong SAR	632	88.0	12.0	87.9	0.0	0.1	88.8	87.3
Hungary	771	74.7	25.3	74.5	0.2	0.0	70.7	78.3
Ireland	721	75.0	24.6	73.8	1.3	0.4	72.8	77.2
Israel	745	77.8	21.7	76.3	0.9	1.0	77.3	78.4
Italy	653	78.5	21.1	77.0	1.7	0.2	78.1	78.9
Japan	559	91.7	8.3	91.3	0.3	0.1	91.6	91.7
Jordan	995	60.8	38.5	59.6	1.4	0.6	65.4	56.5
Kazakhstan	912	67.2	32.1	65.6	1.7	0.7	64.6	69.7
Korea, Rep. of	610	93.8	6.1	93.3	0.2	0.3	95.2	92.5
Lithuania	772	75.6	24.1	74.8	0.9	0.1	74.8	76.5
Malaysia	1254	79.0	20.9	78.6	0.3	0.1	81.1	76.9
Malta	576	73.4	26.2	72.1	1.4	0.3	74.8	71.8
Morocco	1242	72.2	26.4	68.4	2.3	2.9	73.9	70.4
New Zealand	561	70.1	29.5	69.1	1.2	0.1	63.8	75.6
Norway (9)	921	68.1	30.8	65.7	2.7	0.8	66.3	70.0
Oman	1177	71.9	27.3	70.0	1.9	0.8	75.8	68.4
Palestinian Nat'l Auth.	938	57.1	42.0	55.9	0.9	1.2	61.9	52.9
Portugal	770	73.2	26.3	71.8	1.5	0.5	73.6	72.8
Qatar	614	72.3	26.9	70.0	2.3	0.8	76.5	68.7
Romania	526	79.2	20.6	78.4	0.9	0.1	77.1	81.1
Saudi Arabia	832	67.5	32.0	66.5	1.0	0.5	69.2	65.8
Singapore	678	90.7	9.3	90.7	0.0	0.0	91.5	89.9
Sweden	717	74.1	24.5	70.0	4.2	1.3	72.4	75.5
Turkiye	703	79.7	20.2	79.0	0.6	0.2	77.4	81.7
United Arab Emirates	4667	75.6	23.9	74.2	0.9	1.0	76.9	74.4
United States	1165	71.0	28.5	69.8	0.7	1.1	69.3	72.5
Uzbekistan	621	65.8	32.9	63.3	3.0	0.8	64.7	66.8
International Avg. (40)	38023	74.9	24.5	73.2	1.6	0.6	74.6	75.1
Abu Dhabi, UAE	1719	70.3	29.0	68.4	1.0	1.7	72.9	67.7
Dubai, UAE	1171	81.6	18.1	80.4	0.9	0.5	80.1	82.9
Sharjah, UAE	922	78.1	21.6	77.2	0.6	0.5	79.7	76.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Knowing

B_MM1_09 ME82608: Plot the point after translation - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	71.0	68.9	28.1	68.9	28.1	2.1	1.0	70.3	71.7
Austria	669	74.1	73.5	25.7	73.5	25.7	0.5	0.3	69.7	78.6
Azerbaijan	881	35.8	31.7	56.8	31.7	56.8	9.1	2.5	34.0	37.6
Bahrain	738	39.8	38.7	58.5	38.7	58.5	1.6	1.2	43.8	36.1
Brazil	3285	16.4	14.6	74.5	14.6	74.5	8.7	2.2	14.8	17.9
Chile	640	44.3	42.5	53.5	42.5	53.5	3.5	0.6	45.3	43.2
Chinese Taipei	780	81.7	81.5	18.3	81.5	18.3	0.2	0.0	83.2	80.2
Cyprus	596	45.6	43.1	51.5	43.1	51.5	5.2	0.3	46.4	44.7
Czech Republic	1154	66.8	66.0	32.7	66.0	32.7	1.0	0.3	66.1	67.6
England	595	74.6	71.9	24.5	71.9	24.5	3.4	0.2	66.6	82.2
Finland	831	75.2	72.4	23.9	72.4	23.9	2.8	1.0	75.0	75.3
France	651	52.8	50.6	45.3	50.6	45.3	4.2	0.0	49.2	56.2
Georgia	694	33.0	30.4	61.8	30.4	61.8	6.7	1.2	29.8	36.3
Hong Kong SAR	632	76.4	75.2	23.2	75.2	23.2	1.6	0.1	72.1	80.8
Hungary	771	69.9	69.8	30.0	69.8	30.0	0.2	0.0	67.5	72.2
Ireland	721	51.5	49.9	47.1	49.9	47.1	2.6	0.4	48.3	54.7
Israel	745	56.9	54.3	41.1	54.3	41.1	3.4	1.2	52.6	61.4
Italy	653	55.9	54.7	43.2	54.7	43.2	1.9	0.2	58.9	53.0
Japan	559	86.2	85.4	13.6	85.4	13.6	0.8	0.1	88.0	84.7
Jordan	995	19.2	18.8	79.1	18.8	79.1	0.9	1.1	20.2	18.3
Kazakhstan	912	35.1	33.6	62.1	33.6	62.1	3.2	1.1	31.2	38.9
Korea, Rep. of	610	85.0	83.6	14.8	83.6	14.8	1.3	0.3	86.0	84.1
Lithuania	772	68.4	67.6	31.3	67.6	31.3	0.9	0.1	66.9	69.9
Malaysia	1254	21.0	20.8	78.3	20.8	78.3	0.4	0.5	19.6	22.4
Malta	576	56.9	54.7	41.5	54.7	41.5	3.4	0.3	55.9	57.9
Morocco	1242	8.2	7.3	81.8	7.3	81.8	7.4	3.4	9.0	7.4
New Zealand	561	55.5	54.1	43.4	54.1	43.4	2.4	0.1	51.3	59.2
Norway (9)	921	72.8	69.9	26.1	69.9	26.1	3.2	0.8	73.0	72.6
Oman	1177	22.8	22.2	75.0	22.2	75.0	1.6	1.2	24.9	21.0
Palestinian Nat'l Auth.	938	13.8	13.1	81.5	13.1	81.5	4.1	1.4	14.0	13.6
Portugal	770	55.2	53.4	43.3	53.4	43.3	2.8	0.5	54.5	55.9
Qatar	614	53.6	51.8	44.8	51.8	44.8	2.2	1.2	53.2	53.9
Romania	526	26.0	24.6	70.3	24.6	70.3	5.0	0.1	22.8	28.7
Saudi Arabia	832	23.3	22.5	74.0	22.5	74.0	2.7	0.8	20.2	26.2
Singapore	678	69.0	68.5	30.7	68.5	30.7	0.8	0.0	68.4	69.6
Sweden	717	67.4	64.4	31.1	64.4	31.1	3.1	1.4	63.3	71.0
Turkiye	703	58.3	57.7	41.2	57.7	41.2	0.9	0.2	58.9	57.8
United Arab Emirates	4667	52.7	51.3	45.9	51.3	45.9	1.6	1.2	51.2	54.3
United States	1165	74.0	72.4	25.5	72.4	25.5	0.9	1.2	73.4	74.5
Uzbekistan	621	14.4	13.4	79.1	13.4	79.1	5.7	1.8	11.9	16.9
International Avg. (40)	38022	51.5	50.0	46.4	50.0	46.4	2.8	0.8	50.3	52.7
Abu Dhabi, UAE	1719	44.1	42.3	53.5	42.3	53.5	2.2	2.0	41.8	46.4
Dubai, UAE	1171	67.3	66.2	32.2	66.2	32.2	1.0	0.6	63.7	70.6
Sharjah, UAE	922	51.7	50.7	47.4	50.7	47.4	1.2	0.7	51.0	52.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Reasoning

B_MM1_10 ME82119: Give a number that satisfies three conditions - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	27.5	25.2	66.5	25.2	66.5	7.0	1.3	24.4	30.1
Austria	669	27.3	24.4	65.1	24.4	65.1	10.2	0.3	21.9	32.6
Azerbaijan	882	57.5	50.7	37.5	50.7	37.5	9.0	2.8	61.3	53.6
Bahrain	734	20.5	19.3	75.1	19.3	75.1	4.4	1.2	21.4	19.6
Brazil	3281	6.5	5.5	78.7	5.5	78.7	12.4	3.4	6.3	6.8
Chile	640	10.2	8.0	69.8	8.0	69.8	21.3	1.0	9.2	11.3
Chinese Taipei	780	71.6	70.4	27.9	70.4	27.9	1.6	0.0	73.2	70.2
Cyprus	596	27.2	24.8	66.6	24.8	66.6	8.3	0.3	32.2	22.2
Czech Republic	1154	43.4	38.9	50.8	38.9	50.8	10.0	0.3	42.0	44.8
England	595	43.3	38.8	50.8	38.8	50.8	9.9	0.5	35.9	50.1
Finland	830	11.9	10.3	76.7	10.3	76.7	11.6	1.3	12.0	11.7
France	651	20.8	18.2	69.3	18.2	69.3	12.6	0.0	17.7	23.6
Georgia	694	34.6	29.6	55.9	29.6	55.9	12.9	1.6	33.4	35.8
Hong Kong SAR	630	52.6	50.9	45.8	50.9	45.8	3.3	0.1	49.8	55.4
Hungary	769	34.3	32.8	63.0	32.8	63.0	4.2	0.0	33.4	35.2
Ireland	721	31.1	28.2	62.5	28.2	62.5	8.9	0.4	31.6	30.6
Israel	745	27.9	25.1	64.7	25.1	64.7	8.7	1.4	25.1	30.7
Italy	653	45.3	39.9	48.1	39.9	48.1	11.7	0.2	47.4	43.6
Japan	559	44.0	40.8	52.0	40.8	52.0	7.1	0.1	35.5	51.4
Jordan	992	13.7	13.1	82.9	13.1	82.9	2.6	1.3	14.8	12.6
Kazakhstan	910	32.5	29.5	61.4	29.5	61.4	7.6	1.4	33.6	31.4
Korea, Rep. of	610	70.7	68.1	28.2	68.1	28.2	3.3	0.3	69.4	71.9
Lithuania	772	30.6	26.7	60.4	26.7	60.4	12.7	0.1	30.0	31.3
Malaysia	1253	7.3	7.1	90.4	7.1	90.4	1.8	0.7	7.2	7.4
Malta	576	36.9	34.5	59.1	34.5	59.1	6.0	0.3	36.2	37.6
Morocco	1236	4.5	3.8	81.2	3.8	81.2	11.0	4.0	3.8	5.3
New Zealand	561	23.2	20.6	68.1	20.6	68.1	10.8	0.5	20.8	25.2
Norway (9)	920	18.1	14.7	66.5	14.7	66.5	17.7	1.1	14.7	21.0
Oman	1176	9.9	9.2	83.7	9.2	83.7	5.8	1.3	11.7	8.2
Palestinian Nat'l Auth.	931	14.8	14.1	81.0	14.1	81.0	3.1	1.8	16.1	13.7
Portugal	770	32.2	28.6	60.2	28.6	60.2	10.6	0.6	30.2	34.1
Qatar	614	26.7	24.9	68.4	24.9	68.4	5.3	1.4	27.8	25.7
Romania	526	58.4	55.3	39.4	55.3	39.4	5.1	0.1	58.7	58.1
Saudi Arabia	825	6.7	6.5	90.4	6.5	90.4	1.5	1.6	7.8	5.7
Singapore	678	61.7	60.6	37.6	60.6	37.6	1.6	0.1	62.2	61.2
Sweden	715	18.3	14.3	64.1	14.3	64.1	20.0	1.6	20.2	16.7
Turkiye	702	56.5	52.6	40.5	52.6	40.5	6.7	0.2	62.1	51.8
United Arab Emirates	4661	35.9	34.0	60.8	34.0	60.8	3.8	1.4	34.0	37.6
United States	1165	26.6	25.5	70.4	25.5	70.4	2.6	1.4	23.6	29.4
Uzbekistan	621	20.2	18.7	73.9	18.7	73.9	5.3	2.1	21.3	19.1
International Avg. (40)	37973	31.1	28.6	62.4	28.6	62.4	8.0	1.0	30.5	31.6
Abu Dhabi, UAE	1719	22.0	20.9	74.2	20.9	74.2	2.6	2.3	19.7	24.1
Dubai, UAE	1171	56.4	52.4	40.5	52.4	40.5	6.3	0.8	54.2	58.4
Sharjah, UAE	919	41.0	39.4	56.7	39.4	56.7	3.0	0.9	40.6	41.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Applying

B_MM1_11 ME82611: Measure of x in diagram with square and triangle - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	32.4	30.0	62.6	30.0	62.6	6.1	1.3	27.8	36.1
Austria	669	24.5	22.5	69.4	22.5	69.4	7.7	0.4	20.9	27.8
Azerbaijan	882	42.4	36.2	49.1	36.2	49.1	10.9	3.8	43.9	41.0
Bahrain	737	18.6	17.5	76.8	17.5	76.8	3.9	1.7	18.1	19.0
Brazil	3282	8.8	7.7	79.3	7.7	79.3	9.3	3.7	8.3	9.3
Chile	640	8.1	6.6	73.8	6.6	73.8	18.1	1.6	9.6	6.6
Chinese Taipei	780	77.6	76.9	22.2	76.9	22.2	0.9	0.0	78.4	76.8
Cyprus	596	41.7	38.6	54.0	38.6	54.0	7.2	0.3	41.5	41.9
Czech Republic	1152	39.1	35.8	55.8	35.8	55.8	7.9	0.5	40.6	37.5
England	595	45.1	41.6	50.7	41.6	50.7	7.0	0.6	43.3	46.6
Finland	831	30.1	27.8	64.5	27.8	64.5	6.3	1.4	31.5	28.9
France	651	32.1	28.8	60.9	28.8	60.9	10.2	0.2	30.8	33.3
Georgia	694	38.9	34.4	54.1	34.4	54.1	9.7	1.7	39.2	38.5
Hong Kong SAR	629	73.6	71.6	25.7	71.6	25.7	2.7	0.1	72.0	75.2
Hungary	769	44.7	43.2	53.3	43.2	53.3	3.4	0.1	42.3	46.9
Ireland	721	38.8	36.7	57.9	36.7	57.9	5.0	0.4	36.0	41.6
Israel	745	34.8	31.1	58.4	31.1	58.4	8.8	1.7	36.6	33.1
Italy	653	41.8	38.7	53.9	38.7	53.9	7.2	0.2	40.7	42.7
Japan	559	87.7	85.5	12.0	85.5	12.0	2.4	0.1	85.5	89.7
Jordan	994	15.4	14.8	81.4	14.8	81.4	2.3	1.5	15.1	15.7
Kazakhstan	912	31.4	29.3	64.2	29.3	64.2	4.7	1.8	30.3	32.4
Korea, Rep. of	610	87.8	86.7	12.0	86.7	12.0	0.9	0.3	88.0	87.7
Lithuania	772	46.0	43.8	51.4	43.8	51.4	4.6	0.1	46.2	45.9
Malaysia	1254	13.1	12.9	85.7	12.9	85.7	0.5	0.9	11.4	14.7
Malta	576	43.1	40.5	53.6	40.5	53.6	5.6	0.3	41.7	44.6
Morocco	1242	23.9	21.1	67.0	21.1	67.0	7.1	4.8	22.6	25.4
New Zealand	560	29.2	27.1	65.7	27.1	65.7	6.5	0.7	21.5	35.9
Norway (9)	921	40.2	37.5	55.8	37.5	55.8	4.8	2.0	40.0	40.2
Oman	1176	13.0	12.4	82.9	12.4	82.9	2.6	2.1	11.8	14.1
Palestinian Nat'l Auth.	938	16.1	15.3	79.8	15.3	79.8	3.1	1.8	19.2	13.3
Portugal	770	31.0	29.0	64.6	29.0	64.6	5.5	0.9	28.6	33.2
Qatar	614	26.5	25.1	69.7	25.1	69.7	3.4	1.7	22.6	29.8
Romania	526	70.6	69.2	28.8	69.2	28.8	1.7	0.3	76.9	65.1
Saudi Arabia	831	9.1	8.8	88.1	8.8	88.1	1.4	1.8	9.1	9.1
Singapore	678	81.0	80.6	18.9	80.6	18.9	0.4	0.1	80.1	81.8
Sweden	716	30.7	27.0	61.1	27.0	61.1	9.8	2.1	28.5	32.4
Turkiye	703	43.0	39.6	52.6	39.6	52.6	7.6	0.2	43.0	42.9
United Arab Emirates	4667	36.0	34.5	61.2	34.5	61.2	2.4	1.9	31.8	40.1
United States	1165	18.7	17.9	77.9	17.9	77.9	2.3	1.9	18.7	18.7
Uzbekistan	621	24.3	22.1	69.1	22.1	69.1	5.9	2.9	25.5	23.1
International Avg. (40)	38007	37.3	35.2	58.1	35.2	58.1	5.4	1.2	36.5	38.0
Abu Dhabi, UAE	1719	24.2	23.1	72.2	23.1	72.2	2.1	2.7	20.0	28.2
Dubai, UAE	1171	53.9	51.5	44.0	51.5	44.0	3.3	1.2	47.8	59.5
Sharjah, UAE	922	40.8	39.4	57.1	39.4	57.1	2.1	1.3	38.7	43.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MM1_12 ME82411: Solve $3(x-3) + 5 = 4 - x$ - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	31.4	27.5	60.1	27.5	60.1	10.8	1.7	30.0	32.5
Austria	667	46.2	42.4	49.4	42.4	49.4	7.8	0.4	52.7	39.7
Azerbaijan	882	56.1	46.7	36.5	46.7	36.5	12.9	4.0	57.4	54.8
Bahrain	735	23.1	21.0	69.8	21.0	69.8	7.3	1.9	22.1	23.9
Brazil	3280	16.7	14.0	69.9	14.0	69.9	12.0	4.1	15.6	17.8
Chile	640	16.7	12.5	61.9	12.5	61.9	23.7	1.9	19.2	14.1
Chinese Taipei	780	71.3	70.3	28.3	70.3	28.3	1.4	0.0	73.3	69.5
Cyprus	596	53.3	48.6	42.5	48.6	42.5	8.7	0.3	59.6	46.8
Czech Republic	1152	51.6	44.3	41.5	44.3	41.5	13.7	0.5	54.0	49.1
England	595	39.7	33.1	50.2	33.1	50.2	15.9	0.9	39.3	40.1
Finland	830	27.4	24.0	63.4	24.0	63.4	11.1	1.6	29.8	25.5
France	650	20.4	15.7	61.4	15.7	61.4	22.2	0.7	21.5	19.3
Georgia	694	49.9	40.5	40.6	40.5	40.6	16.9	2.0	54.0	45.6
Hong Kong SAR	631	66.0	64.0	32.9	64.0	32.9	3.0	0.1	64.5	67.6
Hungary	771	42.3	39.9	54.4	39.9	54.4	5.6	0.1	38.7	45.6
Ireland	721	32.7	27.4	56.5	27.4	56.5	15.5	0.5	33.6	31.6
Israel	745	57.7	53.9	39.5	53.9	39.5	4.9	1.7	61.6	53.8
Italy	653	41.7	34.3	48.1	34.3	48.1	17.2	0.4	40.7	42.5
Japan	557	74.7	70.6	23.9	70.6	23.9	4.8	0.6	76.6	72.9
Jordan	994	24.9	23.9	72.1	23.9	72.1	2.4	1.6	27.9	22.0
Kazakhstan	910	35.0	30.2	56.1	30.2	56.1	11.9	1.8	32.0	37.9
Korea, Rep. of	610	80.0	78.0	19.5	78.0	19.5	2.2	0.3	82.6	77.6
Lithuania	772	43.0	38.4	51.0	38.4	51.0	10.5	0.1	45.4	40.4
Malaysia	1254	15.4	15.1	82.5	15.1	82.5	1.5	0.9	15.1	15.7
Malta	575	47.0	42.8	48.2	42.8	48.2	8.7	0.3	48.9	44.9
Morocco	1240	21.6	17.7	64.1	17.7	64.1	12.9	5.3	20.3	23.0
New Zealand	561	25.5	21.8	63.9	21.8	63.9	13.5	0.8	23.6	27.0
Norway (9)	920	23.3	18.2	59.7	18.2	59.7	19.9	2.2	24.6	22.2
Oman	1174	18.3	17.0	75.7	17.0	75.7	4.9	2.4	21.1	15.9
Palestinian Nat'l Auth.	930	13.1	12.2	81.0	12.2	81.0	4.7	2.0	13.7	12.6
Portugal	770	32.9	27.7	56.5	27.7	56.5	14.6	1.2	35.1	30.8
Qatar	614	31.6	29.3	63.3	29.3	63.3	5.1	2.3	31.1	32.1
Romania	526	56.8	53.7	40.9	53.7	40.9	5.0	0.4	59.1	54.8
Saudi Arabia	830	13.6	13.0	82.8	13.0	82.8	2.3	2.0	16.6	10.9
Singapore	678	70.0	69.5	29.8	69.5	29.8	0.6	0.1	73.4	66.8
Sweden	713	34.0	27.1	52.5	27.1	52.5	18.1	2.3	35.9	32.5
Turkiye	703	40.7	37.1	54.2	37.1	54.2	8.5	0.2	43.1	38.5
United Arab Emirates	4666	44.3	41.6	52.2	41.6	52.2	4.1	2.1	43.1	45.4
United States	1164	38.6	36.8	58.5	36.8	58.5	2.5	2.2	38.2	39.0
Uzbekistan	621	37.2	31.4	52.9	31.4	52.9	11.5	4.2	36.4	38.0
International Avg. (40)	37980	39.1	35.3	53.7	35.3	53.7	9.5	1.4	40.3	38.0
Abu Dhabi, UAE	1719	34.9	32.7	61.0	32.7	61.0	3.3	3.0	33.3	36.3
Dubai, UAE	1171	57.2	53.2	39.8	53.2	39.8	5.6	1.3	55.2	59.1
Sharjah, UAE	921	50.0	47.1	47.1	47.1	47.1	4.3	1.5	50.4	49.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Applying

B_MM1_13 ME82610: Degrees of angle in diagram - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	55.0	52.7	43.0	52.7	43.0	2.3	2.0	49.0	60.3
Austria	669	43.6	41.7	53.9	41.7	53.9	3.8	0.6	41.6	45.6
Azerbaijan	882	43.4	38.7	50.5	38.7	50.5	6.0	4.7	43.6	43.1
Bahrain	738	20.5	19.7	76.3	19.7	76.3	2.0	2.1	19.4	21.6
Brazil	3283	10.1	9.2	81.6	9.2	81.6	4.9	4.3	9.3	10.9
Chile	639	11.7	10.1	75.5	10.1	75.5	12.2	2.2	13.3	10.1
Chinese Taipei	780	72.7	72.1	27.1	72.1	27.1	0.8	0.0	73.4	72.0
Cyprus	596	54.8	53.1	43.8	53.1	43.8	2.8	0.3	55.1	54.5
Czech Republic	1153	36.5	34.7	60.3	34.7	60.3	4.4	0.5	33.4	39.8
England	595	58.6	56.2	39.6	56.2	39.6	3.3	0.9	55.6	61.5
Finland	831	50.2	48.1	47.8	48.1	47.8	2.6	1.6	50.3	50.1
France	651	22.3	20.8	72.6	20.8	72.6	5.9	0.7	16.4	28.0
Georgia	694	31.9	29.5	63.1	29.5	63.1	4.8	2.6	32.0	31.8
Hong Kong SAR	631	78.5	77.6	21.3	77.6	21.3	1.0	0.1	79.1	77.9
Hungary	771	42.4	41.6	56.5	41.6	56.5	1.8	0.1	38.5	46.1
Ireland	721	47.5	46.4	51.3	46.4	51.3	1.8	0.5	44.8	50.1
Israel	745	36.6	34.0	58.9	34.0	58.9	5.4	1.8	36.6	36.6
Italy	653	41.2	39.5	56.3	39.5	56.3	3.6	0.6	43.4	39.2
Japan	558	70.8	69.1	28.5	69.1	28.5	1.6	0.8	73.9	68.1
Jordan	994	9.0	8.5	86.5	8.5	86.5	2.7	2.3	7.7	10.1
Kazakhstan	912	30.3	28.8	66.3	28.8	66.3	2.6	2.3	27.9	32.6
Korea, Rep. of	610	73.2	72.0	26.4	72.0	26.4	1.2	0.3	74.1	72.2
Lithuania	772	38.6	37.3	59.4	37.3	59.4	3.0	0.3	38.8	38.4
Malaysia	1254	22.9	22.5	75.9	22.5	75.9	0.3	1.3	23.2	22.6
Malta	576	60.2	58.7	38.8	58.7	38.8	2.2	0.3	62.8	57.4
Morocco	1240	11.8	10.3	76.8	10.3	76.8	6.5	6.4	10.1	13.6
New Zealand	561	42.2	40.9	56.1	40.9	56.1	2.2	0.8	39.1	44.9
Norway (9)	921	40.1	37.6	56.2	37.6	56.2	3.5	2.7	38.7	41.2
Oman	1176	21.5	20.3	73.9	20.3	73.9	2.4	3.4	22.7	20.5
Palestinian Nat'l Auth.	937	10.9	10.4	84.7	10.4	84.7	2.7	2.2	11.1	10.7
Portugal	770	43.1	41.5	54.9	41.5	54.9	2.5	1.2	39.7	46.2
Qatar	614	26.7	25.6	70.1	25.6	70.1	2.0	2.3	24.7	28.4
Romania	526	52.8	51.6	46.1	51.6	46.1	1.3	1.0	50.4	55.0
Saudi Arabia	832	7.3	7.0	89.9	7.0	89.9	0.9	2.1	7.2	7.3
Singapore	678	78.6	78.4	21.3	78.4	21.3	0.2	0.1	80.2	77.2
Sweden	717	52.0	48.1	44.3	48.1	44.3	5.3	2.3	49.0	54.5
Turkiye	703	50.0	48.9	48.8	48.9	48.8	2.2	0.2	47.6	52.2
United Arab Emirates	4666	39.0	37.4	58.6	37.4	58.6	1.3	2.6	35.1	42.7
United States	1165	27.5	26.6	70.1	26.6	70.1	0.6	2.6	21.3	33.3
Uzbekistan	621	23.8	21.7	69.4	21.7	69.4	2.5	6.4	23.4	24.2
International Avg. (40)	38011	39.7	38.2	57.1	38.2	57.1	3.0	1.7	38.6	40.8
Abu Dhabi, UAE	1719	26.8	25.5	69.8	25.5	69.8	1.3	3.4	22.3	31.1
Dubai, UAE	1171	60.4	58.4	38.2	58.4	38.2	1.7	1.7	55.1	65.2
Sharjah, UAE	922	41.1	39.5	56.7	39.5	56.7	1.2	2.6	39.8	42.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MM1_14 ME82801: Blue balls in bag based on odds of drawing red - CR - 1 Point

COUNTRY	N	DIFF %	1 %	7 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	59.7	57.2	7.6	30.9	57.2	38.6	2.2	2.0	52.9	65.7
Austria	669	43.4	41.1	17.5	36.0	41.1	53.5	4.8	0.6	34.0	52.5
Azerbaijan	882	42.3	36.4	17.3	32.5	36.4	49.7	8.6	5.2	41.6	43.0
Bahrain	737	23.8	22.8	8.4	64.8	22.8	73.2	1.9	2.1	17.8	29.2
Brazil	3284	14.3	13.0	7.2	70.5	13.0	77.7	4.7	4.7	12.9	15.7
Chile	639	20.8	17.7	6.0	61.7	17.7	67.7	12.2	2.4	20.0	21.5
Chinese Taipei	780	75.1	74.2	11.9	12.7	74.2	24.6	1.1	0.0	75.9	74.3
Cyprus	595	43.0	41.1	10.7	43.9	41.1	54.6	4.0	0.3	42.2	43.7
Czech Republic	1154	41.6	38.8	16.0	38.4	38.8	54.4	6.3	0.5	37.4	46.0
England	595	59.8	57.4	6.4	32.2	57.4	38.6	2.6	1.5	48.8	70.3
Finland	831	53.8	50.8	9.9	33.7	50.8	43.6	4.0	1.7	52.3	55.1
France	650	35.5	33.2	8.8	51.6	33.2	60.4	5.8	0.7	30.0	40.6
Georgia	694	29.8	26.5	12.2	50.2	26.5	62.4	8.4	2.7	24.4	35.3
Hong Kong SAR	632	76.5	75.3	8.7	14.4	75.3	23.1	1.5	0.1	76.8	76.2
Hungary	770	42.2	40.9	12.9	42.9	40.9	55.9	3.2	0.1	36.8	47.3
Ireland	721	71.4	69.6	6.3	21.7	69.6	27.9	2.0	0.5	65.8	76.9
Israel	745	42.1	38.7	14.4	38.9	38.7	53.2	6.0	2.0	38.0	45.9
Italy	653	41.5	39.5	16.4	39.2	39.5	55.7	4.2	0.6	38.4	44.2
Japan	559	69.0	67.8	8.0	22.5	67.8	30.5	0.9	0.8	66.8	70.8
Jordan	995	13.4	12.7	9.1	73.2	12.7	82.3	2.0	3.0	9.5	17.0
Kazakhstan	912	30.6	28.5	15.2	49.2	28.5	64.4	4.8	2.3	27.3	33.8
Korea, Rep. of	610	76.2	74.5	8.9	14.3	74.5	23.3	1.9	0.3	71.2	80.9
Lithuania	772	41.0	38.9	18.2	37.9	38.9	56.1	4.6	0.4	34.8	47.4
Malaysia	1254	18.6	18.2	9.0	70.8	18.2	79.8	0.7	1.4	17.8	19.4
Malta	576	49.4	47.6	11.6	37.1	47.6	48.7	3.1	0.5	47.5	51.6
Morocco	1241	8.4	7.1	6.7	71.3	7.1	78.0	7.7	7.2	6.8	10.0
New Zealand	560	54.6	52.5	10.8	32.8	52.5	43.6	2.9	1.0	48.8	59.6
Norway (9)	920	58.9	55.4	8.7	30.0	55.4	38.6	3.2	2.8	58.3	59.6
Oman	1176	13.4	12.4	7.0	73.4	12.4	80.3	3.4	3.8	10.8	15.6
Palestinian Nat'l Auth.	937	11.9	11.3	11.2	72.5	11.3	83.7	2.4	2.6	11.8	12.0
Portugal	770	40.4	38.0	12.2	43.8	38.0	56.0	4.7	1.3	37.6	43.1
Qatar	613	27.7	26.3	11.4	57.1	26.3	68.5	2.9	2.3	22.8	32.1
Romania	526	42.0	40.2	15.4	40.0	40.2	55.4	3.4	1.0	42.8	41.4
Saudi Arabia	832	14.1	13.6	8.0	75.1	13.6	83.2	0.7	2.6	11.1	16.8
Singapore	678	79.4	78.7	4.8	15.7	78.7	20.4	0.6	0.3	77.9	80.7
Sweden	717	62.0	58.3	6.4	29.4	58.3	35.8	3.6	2.3	62.4	61.6
Turkiye	703	53.8	51.9	7.5	37.1	51.9	44.5	3.3	0.2	50.8	56.5
United Arab Emirates	4666	38.6	36.7	10.0	48.2	36.7	58.2	2.2	2.9	33.1	43.8
United States	1165	44.3	42.7	9.7	44.0	42.7	53.7	0.9	2.7	33.6	54.2
Uzbekistan	621	20.6	18.5	15.8	55.3	18.5	71.2	3.4	6.9	18.3	22.9
International Avg. (40)	38010	42.1	40.2	10.6	43.7	40.2	54.3	3.7	1.9	38.7	45.4
Abu Dhabi, UAE	1719	27.7	26.0	10.7	57.2	26.0	67.9	2.6	3.5	23.1	32.0
Dubai, UAE	1171	59.9	57.2	8.2	30.1	57.2	38.3	2.1	2.3	52.5	66.5
Sharjah, UAE	922	38.2	36.6	10.0	49.2	36.6	59.2	1.4	2.7	32.8	43.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MM1_15 ME82511: Plot the number of flowers Jack has on days 2, 3, and 4 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	61.8	58.9	36.5	58.9	36.5	2.0	2.5	55.0	67.6
Austria	669	52.6	51.4	46.4	51.4	46.4	1.6	0.7	47.5	57.6
Azerbaijan	881	30.7	23.6	53.1	23.6	53.1	16.9	6.4	25.9	35.4
Bahrain	738	22.7	21.6	73.4	21.6	73.4	2.5	2.5	15.1	29.7
Brazil	3285	19.4	16.7	69.4	16.7	69.4	8.7	5.2	15.1	23.5
Chile	640	28.9	26.4	64.9	26.4	64.9	5.6	3.2	23.8	34.7
Chinese Taipei	780	70.8	70.6	29.1	70.6	29.1	0.3	0.0	68.0	73.4
Cyprus	596	37.1	34.8	58.9	34.8	58.9	6.0	0.3	35.2	39.2
Czech Republic	1154	48.2	47.0	50.4	47.0	50.4	2.1	0.5	44.6	52.1
England	595	61.3	58.5	36.9	58.5	36.9	3.0	1.5	53.5	68.9
Finland	831	55.4	52.3	42.1	52.3	42.1	3.5	2.0	55.5	55.3
France	651	46.2	44.1	51.3	44.1	51.3	3.8	0.9	39.9	52.4
Georgia	694	33.5	30.3	60.4	30.3	60.4	5.6	3.7	32.9	34.0
Hong Kong SAR	632	65.4	64.4	34.1	64.4	34.1	1.5	0.1	63.7	67.1
Hungary	771	58.2	57.4	41.2	57.4	41.2	1.3	0.1	55.2	61.0
Ireland	721	60.3	58.5	38.5	58.5	38.5	2.6	0.5	56.0	64.7
Israel	745	44.7	41.4	51.2	41.4	51.2	5.0	2.4	38.1	51.3
Italy	653	42.0	40.2	55.6	40.2	55.6	3.5	0.6	35.6	47.7
Japan	0	.	.	.	.	.	.	.	.	.
Jordan	995	7.1	6.7	88.3	6.7	88.3	1.8	3.3	4.7	9.3
Kazakhstan	912	28.7	26.2	65.3	26.2	65.3	5.3	3.2	22.3	34.9
Korea, Rep. of	610	72.5	71.3	27.1	71.3	27.1	1.2	0.4	71.8	73.1
Lithuania	772	56.9	55.1	41.6	55.1	41.6	2.8	0.5	48.1	66.5
Malaysia	1254	6.4	6.3	91.7	6.3	91.7	0.6	1.5	4.7	8.0
Malta	576	51.7	49.7	46.4	49.7	46.4	3.0	0.9	48.4	55.4
Morocco	983	6.4	5.5	80.3	5.5	80.3	7.4	6.8	6.3	6.5
New Zealand	561	58.1	56.1	40.4	56.1	40.4	2.4	1.0	53.2	62.5
Norway (9)	921	57.4	53.2	39.4	53.2	39.4	4.1	3.3	56.8	58.1
Oman	1177	15.9	14.7	78.2	14.7	78.2	2.2	4.9	15.8	15.9
Palestinian Nat'l Auth.	938	6.5	6.0	86.9	6.0	86.9	4.0	3.1	7.3	5.7
Portugal	770	44.8	42.7	52.6	42.7	52.6	3.1	1.5	40.4	49.0
Qatar	614	29.0	27.3	66.6	27.3	66.6	3.6	2.6	25.4	32.3
Romania	526	45.7	42.3	50.2	42.3	50.2	6.5	1.0	40.6	50.2
Saudi Arabia	832	9.1	8.6	86.1	8.6	86.1	2.2	3.1	7.4	10.7
Singapore	678	73.4	72.9	26.5	72.9	26.5	0.4	0.3	69.3	77.2
Sweden	717	62.7	57.3	34.1	57.3	34.1	5.2	3.4	57.9	66.9
Turkiye	703	54.8	54.0	44.5	54.0	44.5	1.3	0.2	52.5	56.9
United Arab Emirates	4667	36.1	33.8	59.9	33.8	59.9	2.7	3.6	29.9	42.0
United States	1165	46.0	44.1	51.7	44.1	51.7	1.1	3.1	39.0	52.5
Uzbekistan	621	12.0	10.3	75.7	10.3	75.7	6.0	8.0	8.8	15.0
International Avg. (39)	37204	41.6	39.5	54.5	39.5	54.5	3.6	2.3	37.7	45.2
Abu Dhabi, UAE	1719	26.1	24.2	68.3	24.2	68.3	3.1	4.4	19.7	32.3
Dubai, UAE	1171	57.6	54.4	40.0	54.4	40.0	2.5	3.1	51.4	63.3
Sharjah, UAE	922	33.2	31.5	63.2	31.5	63.2	2.5	2.9	27.3	39.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MM1_16 ME82603: Perimeter of rectangle given area and side length - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1176	40.6	38.4	56.0	38.4	56.0	2.7	2.8	36.4	44.3
Austria	667	46.1	44.0	51.4	44.0	51.4	4.0	0.7	43.5	48.7
Azerbaijan	881	42.0	36.1	49.9	36.1	49.9	6.4	7.6	46.9	37.4
Bahrain	738	19.5	18.3	75.6	18.3	75.6	3.2	2.9	18.6	20.3
Brazil	3283	10.0	8.6	77.8	8.6	77.8	6.8	6.8	10.7	9.3
Chile	640	15.4	12.6	69.5	12.6	69.5	13.6	4.3	18.5	12.1
Chinese Taipei	780	70.8	70.0	28.8	70.0	28.8	1.2	0.0	74.3	67.6
Cyprus	596	47.6	45.6	50.2	45.6	50.2	3.4	0.8	47.9	47.3
Czech Republic	1154	39.0	35.7	55.7	35.7	55.7	7.8	0.8	38.1	40.0
England	595	49.8	46.0	46.3	46.0	46.3	6.0	1.7	43.0	56.6
Finland	831	48.0	44.3	48.0	44.3	48.0	4.8	2.9	50.8	45.6
France	650	24.8	22.0	66.8	22.0	66.8	10.1	1.0	23.7	25.9
Georgia	694	30.8	27.2	61.0	27.2	61.0	7.4	4.4	31.0	30.6
Hong Kong SAR	631	58.7	57.4	40.5	57.4	40.5	1.7	0.4	59.0	58.4
Hungary	771	33.3	31.9	63.9	31.9	63.9	3.7	0.5	33.4	33.2
Ireland	721	48.3	46.6	49.9	46.6	49.9	2.9	0.6	46.9	49.8
Israel	745	55.2	51.3	41.7	51.3	41.7	4.0	3.0	56.9	53.5
Italy	653	51.5	46.7	43.9	46.7	43.9	8.0	1.3	52.0	51.1
Japan	559	64.1	61.3	34.4	61.3	34.4	3.3	1.0	65.5	62.8
Jordan	994	11.5	10.7	82.2	10.7	82.2	3.2	3.9	12.5	10.6
Kazakhstan	912	29.9	27.6	64.9	27.6	64.9	2.8	4.7	29.1	30.6
Korea, Rep. of	610	73.9	72.7	25.7	72.7	25.7	1.2	0.4	76.0	71.9
Lithuania	772	56.9	54.1	41.0	54.1	41.0	4.4	0.5	58.3	55.5
Malaysia	1254	14.2	13.9	83.7	13.9	83.7	0.7	1.7	15.4	13.1
Malta	575	42.2	39.8	54.5	39.8	54.5	4.4	1.3	45.5	38.6
Morocco	1242	7.8	6.7	79.2	6.7	79.2	4.0	10.1	9.3	6.2
New Zealand	561	36.4	34.4	60.2	34.4	60.2	3.6	1.7	32.5	39.6
Norway (9)	921	53.3	48.7	42.7	48.7	42.7	4.6	3.9	54.0	52.6
Oman	1177	14.2	12.9	78.2	12.9	78.2	3.2	5.7	16.4	12.1
Palestinian Nat'l Auth.	935	11.9	11.2	82.3	11.2	82.3	2.1	4.4	12.7	11.2
Portugal	770	40.2	36.9	54.9	36.9	54.9	6.4	1.9	40.4	40.0
Qatar	613	22.8	21.6	73.4	21.6	73.4	2.0	2.9	22.3	23.2
Romania	525	52.1	50.3	46.1	50.3	46.1	1.3	2.3	54.7	50.0
Saudi Arabia	830	7.6	7.3	87.7	7.3	87.7	0.9	4.1	8.6	6.7
Singapore	678	67.7	67.2	32.1	67.2	32.1	0.4	0.3	69.9	65.6
Sweden	717	64.0	58.0	32.6	58.0	32.6	4.3	5.2	64.3	63.8
Turkiye	703	47.5	46.1	50.9	46.1	50.9	2.7	0.4	48.9	46.3
United Arab Emirates	4665	34.6	32.2	61.0	32.2	61.0	2.1	4.8	32.4	36.6
United States	1164	31.4	29.9	65.3	29.9	65.3	1.2	3.6	28.9	33.7
Uzbekistan	621	21.7	19.4	69.8	19.4	69.8	1.7	9.0	21.1	22.3
International Avg. (40)	38004	38.4	36.1	57.0	36.1	57.0	4.0	2.9	38.8	38.1
Abu Dhabi, UAE	1719	21.2	19.6	72.9	19.6	72.9	2.0	5.6	17.0	25.2
Dubai, UAE	1170	53.8	50.3	43.3	50.3	43.3	2.2	4.1	53.3	54.1
Sharjah, UAE	921	40.1	37.4	55.9	37.4	55.9	2.4	4.4	40.6	39.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_01 ME72178: Shelves labeled with perfect square (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	24.1	23.8	4.9	70.3	23.8	75.2	0.8	0.2	23.4	24.8
Austria	657	28.8	28.5	4.6	65.7	28.5	70.3	1.1	0.1	32.0	25.5
Azerbaijan	876	35.5	33.9	6.2	55.3	33.9	61.5	4.4	0.3	37.6	33.6
Bahrain	741	16.1	16.0	6.5	76.9	16.0	83.3	0.5	0.2	19.9	12.1
Brazil	3294	4.9	4.8	2.8	90.4	4.8	93.2	1.5	0.5	4.9	4.8
Chile	640	10.8	10.3	4.0	81.7	10.3	85.7	3.0	1.0	8.2	13.0
Chinese Taipei	798	64.8	64.7	4.9	30.2	64.7	35.1	0.2	0.0	72.3	57.9
Cyprus	605	24.2	24.0	7.5	67.6	24.0	75.0	0.8	0.2	24.5	24.0
Czech Republic	1155	18.6	18.4	2.1	78.4	18.4	80.5	1.0	0.1	19.1	18.2
England	598	32.2	31.8	7.6	59.3	31.8	66.9	1.3	0.0	28.3	36.1
Finland	835	15.8	15.4	6.8	75.2	15.4	82.0	2.0	0.6	15.9	15.8
France	642	12.1	11.9	4.7	82.1	11.9	86.7	1.3	0.0	10.6	13.8
Georgia	693	24.7	24.3	8.7	65.5	24.3	74.2	1.3	0.2	23.1	26.2
Hong Kong SAR	639	50.4	50.0	3.3	45.9	50.0	49.2	0.7	0.1	50.0	50.8
Hungary	772	23.1	23.1	7.2	69.7	23.1	76.8	0.1	0.0	23.2	23.0
Ireland	715	34.8	34.4	5.6	59.0	34.4	64.6	0.8	0.2	34.6	34.9
Israel	738	17.2	16.9	3.9	77.5	16.9	81.4	1.3	0.4	17.2	17.1
Italy	657	39.1	38.8	6.0	54.4	38.8	60.4	0.8	0.0	41.0	37.2
Japan	548	17.5	17.3	10.7	70.9	17.3	81.5	1.2	0.0	11.3	23.6
Jordan	977	13.8	13.7	7.5	78.4	13.7	85.9	0.4	0.0	17.4	10.3
Kazakhstan	909	19.5	19.4	6.2	73.8	19.4	80.0	0.5	0.1	22.4	17.2
Korea, Rep. of	607	44.5	44.1	16.4	38.6	44.1	55.0	0.9	0.0	40.1	48.4
Lithuania	778	28.8	28.8	6.8	64.3	28.8	71.1	0.1	0.0	27.8	29.8
Malaysia	1255	13.8	13.8	3.8	82.3	13.8	86.1	0.1	0.0	14.7	12.8
Malta	580	30.5	30.4	5.9	63.3	30.4	69.2	0.4	0.0	31.5	29.6
Morocco	1248	3.8	3.6	4.4	88.3	3.6	92.6	3.2	0.5	3.7	3.8
New Zealand	539	21.1	21.1	2.8	75.9	21.1	78.7	0.3	0.0	23.9	18.9
Norway (9)	899	16.9	16.4	10.5	70.4	16.4	80.9	1.9	0.7	16.3	17.3
Oman	1181	7.1	6.9	2.9	88.1	6.9	91.0	1.8	0.3	6.5	7.6
Palestinian Nat'l Auth.	940	14.3	14.2	10.9	74.3	14.2	85.1	0.7	0.0	13.8	14.7
Portugal	783	27.3	27.1	7.9	64.4	27.1	72.3	0.3	0.3	28.3	26.2
Qatar	616	28.5	28.1	6.7	63.8	28.1	70.5	1.1	0.3	33.2	23.3
Romania	543	48.7	48.3	10.3	40.5	48.3	50.8	0.4	0.6	52.6	45.4
Saudi Arabia	839	6.0	5.9	5.7	87.6	5.9	93.3	0.8	0.0	7.1	4.9
Singapore	675	68.9	68.9	5.4	25.8	68.9	31.1	0.0	0.0	71.0	66.9
Sweden	716	9.1	8.7	3.3	84.2	8.7	87.4	3.1	0.8	9.2	8.9
Turkiye	705	62.4	62.4	4.4	33.3	62.4	37.6	0.0	0.0	67.9	56.2
United Arab Emirates	4711	32.1	31.7	5.5	61.6	31.7	67.1	0.9	0.3	31.6	32.6
United States	1162	34.3	33.7	6.4	58.2	33.7	64.6	0.6	1.0	35.2	33.4
Uzbekistan	620	12.9	12.8	4.9	81.1	12.8	86.0	1.1	0.1	13.6	12.3
International Avg. (40)	38091	26.0	25.7	6.2	66.8	25.7	73.0	1.1	0.2	26.6	25.3
Abu Dhabi, UAE	1743	20.4	20.2	4.5	74.2	20.2	78.7	0.8	0.3	20.9	20.0
Dubai, UAE	1176	49.4	48.9	5.3	44.8	48.9	50.1	0.9	0.1	47.8	50.9
Sharjah, UAE	921	36.8	36.4	6.6	55.8	36.4	62.4	0.8	0.4	38.3	35.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MM2_01A ME72178A: Shelves labeled with perfect square - 48 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	52.3	47.2	51.7	1.0	0.2	53.0	52.1
Austria	657	41.3	57.8	40.7	1.4	0.1	42.2	40.4
Azerbaijan	876	68.0	30.0	63.6	6.1	0.3	68.7	67.3
Bahrain	741	64.1	35.3	63.1	1.4	0.2	60.7	67.7
Brazil	3294	47.5	51.3	46.5	1.7	0.5	46.8	48.2
Chile	640	55.6	42.1	52.8	4.1	1.0	57.0	54.4
Chinese Taipei	798	80.1	19.9	80.0	0.2	0.0	85.8	74.9
Cyprus	605	61.6	38.0	60.8	1.1	0.2	61.8	61.3
Czech Republic	1155	32.1	67.1	31.7	1.2	0.1	32.9	31.3
England	598	58.9	40.5	58.2	1.3	0.0	55.0	62.8
Finland	835	47.6	51.1	46.3	2.0	0.6	49.1	46.2
France	642	47.3	51.8	46.4	1.8	0.0	48.2	46.2
Georgia	693	68.0	31.4	66.7	1.7	0.2	72.3	63.7
Hong Kong SAR	639	77.2	22.6	76.6	0.7	0.1	79.0	75.5
Hungary	772	47.0	52.8	46.9	0.3	0.0	45.4	48.8
Ireland	715	58.2	41.4	57.6	0.9	0.2	60.3	56.5
Israel	738	42.0	56.4	40.9	2.2	0.6	43.5	40.5
Italy	657	67.8	31.7	66.8	1.5	0.0	67.9	67.6
Japan	548	50.1	49.1	49.3	1.5	0.0	45.0	55.1
Jordan	977	63.6	36.1	63.1	0.8	0.0	65.0	62.3
Kazakhstan	909	57.6	41.9	57.0	1.1	0.1	63.3	53.0
Korea, Rep. of	607	78.5	21.2	77.7	1.1	0.0	77.7	79.3
Lithuania	778	51.7	48.0	51.4	0.6	0.0	50.4	53.0
Malaysia	1255	51.0	48.9	50.9	0.2	0.0	48.5	53.7
Malta	580	59.4	40.3	59.0	0.8	0.0	57.7	61.0
Morocco	1248	68.5	29.9	65.1	4.4	0.5	67.4	69.6
New Zealand	539	48.8	50.7	48.3	1.0	0.0	53.0	45.5
Norway (9)	899	43.6	54.6	42.3	2.4	0.7	41.1	45.6
Oman	1181	55.3	43.6	53.9	2.3	0.3	54.7	55.8
Palestinian Nat'l Auth.	940	66.8	32.9	66.1	1.0	0.0	68.0	65.7
Portugal	783	52.4	47.3	52.1	0.4	0.3	52.0	52.8
Qatar	616	64.0	35.5	63.1	1.1	0.3	67.8	59.9
Romania	543	79.2	20.5	78.3	0.5	0.6	81.8	77.0
Saudi Arabia	839	60.8	38.8	60.1	1.1	0.0	63.9	57.9
Singapore	675	84.3	15.7	84.3	0.0	0.0	84.7	83.9
Sweden	716	28.5	67.8	27.1	4.3	0.8	25.8	31.0
Turkiye	705	73.8	26.1	73.4	0.5	0.0	78.1	69.0
United Arab Emirates	4711	66.3	33.2	65.3	1.3	0.3	66.1	66.5
United States	1162	65.1	34.3	64.0	0.6	1.0	63.6	66.5
Uzbekistan	620	57.9	41.6	57.2	1.1	0.1	56.6	59.1
International Avg. (40)	38091	58.6	40.7	57.7	1.5	0.2	59.0	58.2
Abu Dhabi, UAE	1743	59.5	40.0	58.7	1.1	0.3	62.1	57.1
Dubai, UAE	1176	72.5	27.2	71.7	1.1	0.1	71.9	73.1
Sharjah, UAE	921	70.8	28.7	69.5	1.4	0.4	72.5	69.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_01B ME72178B: Shelves labeled with perfect square - 64 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	74.8	74.0	24.9	1.0	0.2	75.9	74.4
Austria	657	92.2	90.8	7.7	1.4	0.1	93.1	91.3
Azerbaijan	876	75.7	70.9	22.7	6.1	0.3	77.4	74.1
Bahrain	741	55.8	54.9	43.5	1.4	0.2	56.3	55.1
Brazil	3294	59.4	58.1	39.7	1.7	0.5	57.1	61.7
Chile	640	63.2	60.0	34.9	4.1	1.0	59.4	66.4
Chinese Taipei	798	85.9	85.7	14.1	0.2	0.0	90.0	82.1
Cyprus	605	73.1	72.3	26.5	1.1	0.2	74.3	71.9
Czech Republic	1155	85.4	84.4	14.4	1.2	0.1	86.1	84.9
England	598	79.4	78.4	20.3	1.3	0.0	77.1	81.7
Finland	835	74.5	72.5	24.9	2.0	0.6	72.7	76.1
France	642	70.8	69.5	28.7	1.8	0.0	70.7	70.9
Georgia	693	63.0	61.9	36.3	1.7	0.2	59.9	66.1
Hong Kong SAR	639	79.4	78.7	20.5	0.7	0.1	77.5	81.2
Hungary	772	82.6	82.4	17.3	0.3	0.0	83.6	81.5
Ireland	715	81.7	80.9	18.1	0.9	0.2	81.8	81.6
Israel	738	75.2	73.1	24.1	2.2	0.6	71.7	79.0
Italy	657	77.8	76.7	21.8	1.5	0.0	80.4	75.2
Japan	548	74.9	73.8	24.7	1.5	0.0	73.3	76.4
Jordan	977	51.7	51.3	47.9	0.8	0.0	49.3	54.1
Kazakhstan	909	67.5	66.8	32.1	1.1	0.1	66.1	68.7
Korea, Rep. of	607	78.6	77.7	21.2	1.1	0.0	74.4	82.3
Lithuania	778	84.5	84.0	15.4	0.6	0.0	84.0	84.9
Malaysia	1255	67.2	67.1	32.7	0.2	0.0	68.4	65.9
Malta	580	77.1	76.5	22.7	0.8	0.0	78.4	75.9
Morocco	1248	37.2	35.3	59.7	4.4	0.5	33.8	40.4
New Zealand	539	77.4	76.7	22.3	1.0	0.0	78.3	76.8
Norway (9)	899	82.1	79.5	17.3	2.4	0.7	86.6	78.4
Oman	1181	44.4	43.3	54.2	2.3	0.3	42.6	46.0
Palestinian Nat'l Auth.	940	59.4	58.8	40.2	1.0	0.0	59.4	59.5
Portugal	783	79.5	79.0	20.4	0.4	0.3	80.8	78.1
Qatar	616	65.5	64.6	34.0	1.1	0.3	67.9	63.0
Romania	543	81.3	80.4	18.5	0.5	0.6	83.1	79.8
Saudi Arabia	839	46.4	45.9	53.0	1.1	0.0	44.5	48.1
Singapore	675	92.7	92.7	7.3	0.0	0.0	93.2	92.3
Sweden	716	82.5	78.3	16.6	4.3	0.8	85.8	79.6
Turkiye	705	88.0	87.6	11.9	0.5	0.0	89.6	86.2
United Arab Emirates	4711	70.7	69.6	28.9	1.3	0.3	66.6	74.6
United States	1162	77.5	76.2	22.1	0.6	1.0	79.0	76.1
Uzbekistan	620	54.2	53.5	45.2	1.1	0.1	54.7	53.8
International Avg. (40)	38091	72.3	71.1	27.2	1.5	0.2	72.1	72.4
Abu Dhabi, UAE	1743	65.7	64.8	33.8	1.1	0.3	62.4	68.8
Dubai, UAE	1176	81.4	80.4	18.4	1.1	0.1	77.4	85.2
Sharjah, UAE	921	72.7	71.4	26.8	1.4	0.4	66.3	79.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_01C ME72178C: Shelves labeled with perfect square - 81 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	41.4	40.9	57.9	1.0	0.2	41.5	41.4
Austria	657	81.0	79.8	18.7	1.4	0.1	82.5	79.5
Azerbaijan	876	59.9	56.0	37.5	6.1	0.3	63.6	56.4
Bahrain	741	41.3	40.7	57.8	1.4	0.2	45.7	36.7
Brazil	3294	34.1	33.4	64.4	1.7	0.5	33.1	35.2
Chile	640	35.5	33.7	61.2	4.1	1.0	29.1	40.8
Chinese Taipei	798	78.5	78.4	21.5	0.2	0.0	84.1	73.3
Cyprus	605	46.1	45.6	53.2	1.1	0.2	44.2	48.2
Czech Republic	1155	43.5	42.9	55.8	1.2	0.1	40.6	46.1
England	598	47.2	46.5	52.1	1.3	0.0	43.3	50.9
Finland	835	43.4	42.3	55.1	2.0	0.6	42.0	44.7
France	642	31.9	31.4	66.9	1.8	0.0	31.9	31.9
Georgia	693	47.6	46.7	51.5	1.7	0.2	42.7	52.4
Hong Kong SAR	639	66.6	66.0	33.2	0.7	0.1	63.8	69.2
Hungary	772	60.9	60.8	39.0	0.3	0.0	59.2	62.9
Ireland	715	50.7	50.2	48.8	0.9	0.2	51.0	50.5
Israel	738	36.2	35.2	62.1	2.2	0.6	36.5	35.8
Italy	657	53.2	52.4	46.1	1.5	0.0	53.6	52.8
Japan	548	38.9	38.3	60.1	1.5	0.0	34.6	43.1
Jordan	977	42.2	41.9	57.4	0.8	0.0	47.6	37.1
Kazakhstan	909	46.8	46.3	52.6	1.1	0.1	48.5	45.4
Korea, Rep. of	607	75.7	74.9	24.0	1.1	0.0	72.9	78.2
Lithuania	778	48.7	48.4	51.0	0.6	0.0	47.4	50.0
Malaysia	1255	44.5	44.4	55.4	0.2	0.0	46.0	42.9
Malta	580	52.7	52.3	46.9	0.8	0.0	52.3	53.1
Morocco	1248	31.4	29.9	65.2	4.4	0.5	28.2	34.4
New Zealand	539	38.4	38.0	61.0	1.0	0.0	36.8	39.5
Norway (9)	899	67.1	65.0	31.8	2.4	0.7	67.4	67.1
Oman	1181	34.2	33.4	64.1	2.3	0.3	31.0	37.2
Palestinian Nat'l Auth.	940	44.2	43.7	55.3	1.0	0.0	45.1	43.3
Portugal	783	46.3	45.9	53.4	0.4	0.3	44.8	47.8
Qatar	616	52.7	52.0	46.7	1.1	0.3	54.0	51.2
Romania	543	67.0	66.3	32.6	0.5	0.6	73.8	61.1
Saudi Arabia	839	36.2	35.8	63.1	1.1	0.0	36.1	36.2
Singapore	675	80.1	80.1	19.9	0.0	0.0	80.5	79.8
Sweden	716	57.7	54.7	40.2	4.3	0.8	57.2	58.1
Turkiye	705	78.8	78.4	21.1	0.5	0.0	80.1	77.4
United Arab Emirates	4711	51.8	51.1	47.4	1.3	0.3	50.6	53.1
United States	1162	52.9	52.0	46.4	0.6	1.0	52.8	52.9
Uzbekistan	620	42.7	42.2	56.6	1.1	0.1	43.3	42.2
International Avg. (40)	38091	50.8	49.9	48.4	1.5	0.2	50.5	51.0
Abu Dhabi, UAE	1743	42.1	41.5	57.1	1.1	0.3	43.6	40.7
Dubai, UAE	1176	64.4	63.7	35.2	1.1	0.1	62.6	66.2
Sharjah, UAE	921	55.7	54.6	43.5	1.4	0.4	54.1	57.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_01D ME72178D: Shelves labeled with perfect square - 90 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	61.7	37.9	61.0	1.0	0.2	59.5	63.8
Austria	657	46.8	52.4	46.1	1.4	0.1	48.9	44.8
Azerbaijan	876	76.2	22.2	71.3	6.1	0.3	73.4	78.9
Bahrain	741	65.0	34.4	64.0	1.4	0.2	70.7	59.0
Brazil	3294	50.2	48.7	49.1	1.7	0.5	51.2	49.2
Chile	640	50.4	47.1	47.8	4.1	1.0	45.3	54.6
Chinese Taipei	798	82.6	17.4	82.4	0.2	0.0	89.6	76.1
Cyprus	605	63.1	36.4	62.4	1.1	0.2	59.2	67.2
Czech Republic	1155	57.3	42.2	56.6	1.2	0.1	60.3	54.5
England	598	68.8	30.8	67.8	1.3	0.0	65.3	72.2
Finland	835	49.6	49.1	48.3	2.0	0.6	46.6	52.3
France	642	43.9	55.1	43.1	1.8	0.0	43.3	44.5
Georgia	693	67.3	32.1	66.0	1.7	0.2	66.2	68.3
Hong Kong SAR	639	78.8	21.0	78.2	0.7	0.1	79.6	78.0
Hungary	772	54.8	45.1	54.6	0.3	0.0	51.2	58.7
Ireland	715	71.8	27.9	71.1	0.9	0.2	72.8	71.0
Israel	738	65.4	33.7	63.6	2.2	0.6	63.8	67.1
Italy	657	72.8	26.8	71.7	1.5	0.0	74.8	70.8
Japan	548	55.2	44.2	54.3	1.5	0.0	54.5	55.8
Jordan	977	66.8	32.9	66.3	0.8	0.0	70.0	63.8
Kazakhstan	909	66.0	33.6	65.2	1.1	0.1	67.4	64.9
Korea, Rep. of	607	82.3	17.5	81.4	1.1	0.0	82.9	81.8
Lithuania	778	69.5	30.4	69.1	0.6	0.0	67.2	71.7
Malaysia	1255	57.0	43.0	56.8	0.2	0.0	58.1	55.8
Malta	580	64.6	35.1	64.1	0.8	0.0	69.2	60.4
Morocco	1248	72.2	26.4	68.7	4.4	0.5	74.0	70.5
New Zealand	539	54.0	45.6	53.4	1.0	0.0	53.4	54.4
Norway (9)	899	54.4	44.2	52.7	2.4	0.7	53.0	55.4
Oman	1181	60.9	38.1	59.3	2.3	0.3	58.4	63.2
Palestinian Nat'l Auth.	940	73.2	26.6	72.4	1.0	0.0	74.6	71.8
Portugal	783	60.6	39.1	60.2	0.4	0.3	59.9	61.4
Qatar	616	65.9	33.6	65.0	1.1	0.3	68.8	62.8
Romania	543	84.9	14.9	84.0	0.5	0.6	87.2	83.0
Saudi Arabia	839	60.1	39.4	59.5	1.1	0.0	60.8	59.5
Singapore	675	87.2	12.8	87.2	0.0	0.0	87.0	87.4
Sweden	716	42.5	54.5	40.4	4.3	0.8	40.7	44.1
Turkiye	705	82.7	17.2	82.3	0.5	0.0	82.6	82.7
United Arab Emirates	4711	70.4	29.1	69.4	1.3	0.3	68.1	72.7
United States	1162	68.9	30.6	67.7	0.6	1.0	70.6	67.3
Uzbekistan	620	67.9	31.7	67.1	1.1	0.1	70.2	65.9
International Avg. (40)	38091	64.8	34.5	63.8	1.5	0.2	65.0	64.7
Abu Dhabi, UAE	1743	65.0	34.5	64.2	1.1	0.3	62.6	67.3
Dubai, UAE	1176	77.1	22.7	76.2	1.1	0.1	73.2	80.8
Sharjah, UAE	921	74.0	25.5	72.6	1.4	0.4	73.5	74.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_01E ME72178E: Shelves labeled with perfect square - 121 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	36.9	36.4	62.4	1.0	0.2	36.1	37.8
Austria	657	79.0	77.8	20.7	1.4	0.1	79.8	78.1
Azerbaijan	876	51.6	48.3	45.2	6.1	0.3	55.2	48.3
Bahrain	741	41.0	40.3	58.1	1.4	0.2	44.8	36.9
Brazil	3294	28.6	28.0	69.8	1.7	0.5	32.6	24.8
Chile	640	29.6	28.1	66.8	4.1	1.0	27.7	31.2
Chinese Taipei	798	77.2	77.1	22.8	0.2	0.0	81.3	73.4
Cyprus	605	42.8	42.3	56.5	1.1	0.2	43.9	41.7
Czech Republic	1155	42.0	41.5	57.3	1.2	0.1	38.1	45.7
England	598	47.7	47.1	51.6	1.3	0.0	43.3	52.0
Finland	835	36.1	35.2	62.2	2.0	0.6	35.0	37.2
France	642	31.4	30.8	67.4	1.8	0.0	30.0	32.8
Georgia	693	45.0	44.1	54.0	1.7	0.2	44.6	45.3
Hong Kong SAR	639	63.5	63.0	36.2	0.7	0.1	61.0	65.9
Hungary	772	52.7	52.5	47.2	0.3	0.0	51.0	54.6
Ireland	715	49.3	48.8	50.2	0.9	0.2	49.9	48.8
Israel	738	31.4	30.5	66.7	2.2	0.6	31.6	31.2
Italy	657	50.1	49.4	49.1	1.5	0.0	51.8	48.4
Japan	548	34.8	34.3	64.2	1.5	0.0	31.3	38.2
Jordan	977	42.7	42.3	56.9	0.8	0.0	47.5	38.1
Kazakhstan	909	39.0	38.5	60.3	1.1	0.1	40.9	37.5
Korea, Rep. of	607	63.0	62.3	36.6	1.1	0.0	56.3	68.9
Lithuania	778	43.7	43.4	56.0	0.6	0.0	41.1	46.2
Malaysia	1255	36.9	36.8	63.0	0.2	0.0	38.6	35.2
Malta	580	48.8	48.5	50.8	0.8	0.0	47.6	50.0
Morocco	1248	21.5	20.4	74.6	4.4	0.5	19.8	23.1
New Zealand	539	35.6	35.2	63.8	1.0	0.0	39.1	32.8
Norway (9)	899	54.4	52.7	44.2	2.4	0.7	53.6	55.3
Oman	1181	24.2	23.6	73.8	2.3	0.3	25.5	23.1
Palestinian Nat'l Auth.	940	35.4	35.0	64.0	1.0	0.0	32.9	37.6
Portugal	783	38.2	37.9	61.4	0.4	0.3	39.0	37.3
Qatar	616	49.1	48.4	50.2	1.1	0.3	50.5	47.6
Romania	543	59.6	58.9	40.0	0.5	0.6	62.2	57.2
Saudi Arabia	839	30.0	29.7	69.3	1.1	0.0	32.6	27.6
Singapore	675	77.1	77.1	22.9	0.0	0.0	78.4	75.8
Sweden	716	51.2	48.6	46.3	4.3	0.8	52.4	50.1
Turkiye	705	77.3	76.9	22.6	0.5	0.0	81.9	72.2
United Arab Emirates	4711	49.9	49.1	49.3	1.3	0.3	49.5	50.3
United States	1162	50.1	49.2	49.1	0.6	1.0	48.9	51.1
Uzbekistan	620	36.2	35.7	63.0	1.1	0.1	38.8	33.8
International Avg. (40)	38091	45.9	45.2	53.2	1.5	0.2	46.2	45.6
Abu Dhabi, UAE	1743	39.1	38.6	60.0	1.1	0.3	40.9	37.5
Dubai, UAE	1176	61.4	60.7	38.2	1.1	0.1	60.1	62.6
Sharjah, UAE	921	56.4	55.4	42.8	1.4	0.4	55.9	57.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Reasoning

B_MM2_02 ME72234: Statement about whole number x - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	38.8	21.1	23.1	15.7	38.1	1.6	0.3	38.1	39.7
Austria	657	31.8	24.9	27.3	14.8	31.3	1.5	0.1	33.4	30.2
Azerbaijan	876	45.7	21.3	15.9	15.1	44.0	3.0	0.7	48.1	43.5
Bahrain	741	44.4	20.7	19.4	15.0	43.9	0.9	0.2	52.1	36.2
Brazil	3294	28.3	27.9	26.4	16.1	27.8	1.2	0.7	32.6	24.2
Chile	640	25.0	22.1	28.5	20.7	23.7	3.7	1.1	25.6	24.4
Chinese Taipei	798	76.3	7.9	6.3	9.5	76.3	0.0	0.0	79.9	73.0
Cyprus	605	37.7	16.4	25.2	19.9	37.1	1.3	0.2	42.5	32.5
Czech Republic	1155	37.7	20.8	27.5	12.5	36.9	2.3	0.1	40.2	35.4
England	598	42.3	17.1	20.6	19.0	41.5	1.8	0.0	41.0	43.6
Finland	835	30.7	24.5	24.0	19.1	29.9	2.0	0.6	31.5	29.9
France	642	33.1	19.2	29.1	17.0	32.3	2.3	0.0	36.7	29.2
Georgia	693	39.9	17.4	23.6	17.7	39.0	2.1	0.2	41.9	37.9
Hong Kong SAR	639	59.3	13.9	11.2	15.3	58.9	0.6	0.1	58.2	60.4
Hungary	772	32.8	23.4	27.2	16.2	32.6	0.5	0.0	36.7	28.4
Ireland	715	38.4	25.2	19.2	16.3	37.9	1.2	0.2	38.8	38.1
Israel	738	48.4	16.3	18.2	15.9	47.2	1.7	0.6	51.8	44.7
Italy	657	48.9	12.3	23.8	14.1	48.0	1.8	0.0	53.5	44.2
Japan	548	64.6	13.6	9.7	11.9	64.3	0.6	0.0	64.1	65.2
Jordan	977	43.2	21.3	16.5	18.5	42.9	0.7	0.0	49.8	37.0
Kazakhstan	909	32.8	25.9	23.3	17.2	32.3	1.2	0.2	37.4	29.1
Korea, Rep. of	607	68.5	13.5	10.1	7.7	68.3	0.4	0.0	68.0	69.0
Lithuania	778	33.6	18.2	30.5	16.7	33.1	1.5	0.0	38.5	28.8
Malaysia	1255	33.2	23.8	25.3	17.6	33.1	0.3	0.0	37.5	28.7
Malta	580	35.0	20.8	23.3	20.3	34.6	1.0	0.0	40.0	30.6
Morocco	1248	27.2	18.2	27.3	25.8	26.6	1.4	0.7	28.6	25.8
New Zealand	539	35.5	24.3	25.7	13.0	34.7	2.4	0.0	38.7	33.1
Norway (9)	899	31.3	23.7	24.8	16.6	29.7	4.5	0.7	31.5	31.0
Oman	1181	35.5	23.6	22.3	17.7	35.1	0.8	0.4	41.4	30.1
Palestinian Nat'l Auth.	940	40.7	20.1	18.5	19.8	40.1	1.5	0.0	49.0	33.3
Portugal	783	36.3	19.0	27.2	16.9	35.9	0.8	0.3	36.1	36.5
Qatar	616	39.5	26.2	14.1	18.9	38.7	1.9	0.3	42.6	36.4
Romania	543	48.4	16.9	22.1	11.6	47.4	1.4	0.6	51.6	45.5
Saudi Arabia	839	39.1	21.1	18.9	20.5	38.8	0.7	0.1	42.4	36.0
Singapore	675	63.9	14.5	9.1	12.4	63.7	0.4	0.0	62.3	65.4
Sweden	716	33.9	24.8	23.1	15.4	32.4	3.5	0.8	39.3	29.0
Turkiye	705	48.6	19.3	17.2	12.7	46.5	4.3	0.0	51.0	46.0
United Arab Emirates	4711	47.2	19.7	17.0	15.1	46.3	1.5	0.4	48.4	46.1
United States	1162	45.8	16.6	17.2	19.3	44.9	0.7	1.3	44.9	46.6
Uzbekistan	620	36.0	18.5	26.8	17.7	35.5	1.3	0.1	43.9	28.8
International Avg. (40)	38091	41.5	19.9	21.2	16.3	40.8	1.6	0.3	44.2	38.8
Abu Dhabi, UAE	1743	38.9	23.0	18.5	18.5	38.3	1.3	0.4	42.3	35.7
Dubai, UAE	1176	58.2	13.9	16.1	10.9	57.1	1.7	0.2	56.3	60.0
Sharjah, UAE	921	49.4	17.3	16.1	16.2	48.5	1.3	0.6	50.3	48.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_03 ME72020: Compare values of decimals and fractions (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	62.6	53.9	16.6	28.9	53.9	16.6	28.9	0.3	0.3	57.9	66.9
Austria	657	66.2	55.7	20.4	23.4	55.7	20.4	23.4	0.4	0.1	66.5	66.0
Azerbaijan	876	49.0	36.8	19.7	38.6	36.8	19.7	38.6	4.2	0.7	47.4	50.5
Bahrain	741	35.0	22.8	23.9	52.7	22.8	23.9	52.7	0.4	0.2	36.4	33.4
Brazil	3294	17.9	9.6	15.4	71.5	9.6	15.4	71.5	2.7	0.8	16.4	19.5
Chile	640	26.6	17.9	14.5	62.1	17.9	14.5	62.1	4.4	1.1	23.7	29.0
Chinese Taipei	798	78.3	70.4	15.9	13.7	70.4	15.9	13.7	0.0	0.0	80.9	75.9
Cyprus	605	55.2	44.4	20.9	34.0	44.4	20.9	34.0	0.4	0.2	50.7	59.9
Czech Republic	1155	55.1	41.5	27.1	31.2	41.5	27.1	31.2	0.1	0.1	49.7	60.2
England	598	66.0	54.2	22.3	22.6	54.2	22.3	22.6	0.9	0.0	60.4	71.6
Finland	835	70.9	59.6	20.9	18.3	59.6	20.9	18.3	0.7	0.6	67.9	73.7
France	642	52.3	41.9	20.3	37.3	41.9	20.3	37.3	0.5	0.0	48.9	56.0
Georgia	693	41.8	31.9	18.8	48.2	31.9	18.8	48.2	1.0	0.2	38.0	45.5
Hong Kong SAR	639	80.9	77.1	7.2	15.4	77.1	7.2	15.4	0.3	0.1	78.7	83.1
Hungary	772	54.4	41.3	26.1	32.5	41.3	26.1	32.5	0.0	0.0	49.5	60.0
Ireland	715	71.5	60.5	21.3	17.7	60.5	21.3	17.7	0.2	0.2	68.6	73.9
Israel	738	56.2	44.3	22.0	32.1	44.3	22.0	32.1	0.6	0.9	51.3	61.4
Italy	657	56.5	45.1	22.2	32.2	45.1	22.2	32.2	0.5	0.0	56.6	56.4
Japan	548	70.1	60.7	18.7	20.6	60.7	18.7	20.6	0.0	0.0	64.8	75.3
Jordan	977	25.9	15.4	20.8	63.3	15.4	20.8	63.3	0.1	0.4	23.9	27.7
Kazakhstan	909	43.3	31.7	22.4	44.9	31.7	22.4	44.9	0.8	0.2	42.8	43.7
Korea, Rep. of	607	73.8	66.8	13.8	19.3	66.8	13.8	19.3	0.0	0.0	68.5	78.4
Lithuania	778	58.3	47.4	21.6	30.8	47.4	21.6	30.8	0.1	0.0	57.6	59.0
Malaysia	1255	25.0	18.2	13.7	68.1	18.2	13.7	68.1	0.1	0.0	24.0	26.1
Malta	580	60.3	50.1	19.8	29.6	50.1	19.8	29.6	0.5	0.0	59.1	61.4
Morocco	1248	31.7	21.3	19.7	57.2	21.3	19.7	57.2	0.8	0.9	30.9	32.5
New Zealand	539	51.6	41.9	18.9	38.7	41.9	18.9	38.7	0.4	0.0	47.9	54.5
Norway (9)	899	63.7	52.6	19.0	25.9	52.6	19.0	25.9	1.5	1.0	61.1	66.0
Oman	1181	32.3	20.7	22.8	55.9	20.7	22.8	55.9	0.2	0.4	31.6	32.9
Palestinian Nat'l Auth.	940	21.9	13.4	16.7	69.4	13.4	16.7	69.4	0.5	0.0	19.6	24.0
Portugal	783	47.4	34.8	24.9	40.0	34.8	24.9	40.0	0.0	0.3	48.5	46.2
Qatar	616	42.6	29.4	25.9	44.2	29.4	25.9	44.2	0.2	0.3	42.1	43.1
Romania	543	55.5	46.1	17.5	35.2	46.1	17.5	35.2	0.6	0.6	52.6	58.0
Saudi Arabia	839	27.0	16.7	20.5	62.6	16.7	20.5	62.6	0.1	0.1	27.0	27.1
Singapore	675	78.5	72.5	12.1	15.4	72.5	12.1	15.4	0.0	0.0	79.0	78.1
Sweden	716	70.0	59.4	18.9	20.1	59.4	18.9	20.1	0.8	0.8	68.0	71.7
Turkiye	705	45.3	35.9	18.5	45.3	35.9	18.5	45.3	0.3	0.0	43.2	47.6
United Arab Emirates	4711	55.3	43.2	23.1	32.8	43.2	23.1	32.8	0.4	0.5	51.7	58.7
United States	1162	59.8	48.6	20.5	29.2	48.6	20.5	29.2	0.3	1.5	56.7	62.7
Uzbekistan	620	27.4	16.9	20.1	61.5	16.9	20.1	61.5	1.2	0.3	26.6	28.1
International Avg. (40)	38091	51.6	41.3	19.6	38.1	41.3	19.6	38.1	0.7	0.3	49.4	53.6
Abu Dhabi, UAE	1743	49.3	36.7	24.5	38.0	36.7	24.5	38.0	0.4	0.4	46.5	52.1
Dubai, UAE	1176	67.0	56.3	20.3	22.6	56.3	20.3	22.6	0.5	0.3	62.0	71.7
Sharjah, UAE	921	56.6	44.8	22.3	31.7	44.8	22.3	31.7	0.2	1.0	52.8	60.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_03A ME72020A: Compare values of decimals and fractions - 0.5 and 1/2 - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	83.3	6.9	9.5	82.3	0.9	0.3	84.0	83.0
Austria	657	93.4	2.2	4.3	92.3	1.1	0.1	90.9	95.9
Azerbaijan	876	69.0	12.8	16.0	64.1	6.4	0.7	69.5	68.5
Bahrain	741	60.5	21.2	17.7	59.6	1.3	0.2	64.3	56.5
Brazil	3294	42.9	27.7	25.8	40.2	5.5	0.8	38.5	47.2
Chile	640	44.4	21.1	30.3	41.0	6.4	1.1	39.8	48.0
Chinese Taipei	798	93.0	2.6	4.4	92.5	0.6	0.0	94.5	91.6
Cyprus	605	77.9	7.8	14.0	76.7	1.3	0.2	74.3	81.5
Czech Republic	1155	84.8	4.8	10.2	84.1	0.8	0.1	81.1	88.3
England	598	85.5	4.3	9.9	83.5	2.3	0.0	84.1	86.9
Finland	835	89.5	3.6	6.6	86.8	2.4	0.6	88.3	90.6
France	642	73.6	7.5	18.5	72.5	1.5	0.0	72.9	74.4
Georgia	693	64.0	13.9	20.7	61.5	3.8	0.2	65.1	62.9
Hong Kong SAR	639	91.2	3.7	5.0	90.5	0.7	0.1	90.2	92.2
Hungary	772	76.6	6.8	16.6	76.4	0.3	0.0	76.9	76.2
Ireland	715	93.5	2.3	4.2	92.8	0.6	0.2	95.5	91.8
Israel	738	84.6	4.9	10.1	82.4	1.7	0.9	84.0	85.3
Italy	657	73.5	9.7	16.6	72.7	1.1	0.0	76.6	70.2
Japan	548	87.7	6.4	5.9	87.7	0.0	0.0	87.1	88.3
Jordan	977	55.7	24.4	18.9	54.5	1.8	0.4	55.9	55.5
Kazakhstan	909	60.9	14.8	23.5	59.6	1.9	0.2	63.3	58.9
Korea, Rep. of	607	89.4	4.7	5.9	89.3	0.2	0.0	88.3	90.4
Lithuania	778	83.3	8.1	8.4	82.8	0.6	0.0	84.5	82.2
Malaysia	1255	48.4	31.2	20.0	48.1	0.7	0.0	45.3	51.6
Malta	580	86.7	5.5	7.7	85.2	1.7	0.0	86.1	87.2
Morocco	1248	52.5	18.0	27.7	50.6	2.9	0.9	50.8	54.2
New Zealand	539	77.7	7.1	14.6	75.6	2.6	0.0	74.2	80.4
Norway (9)	899	84.5	4.9	9.9	80.9	3.3	1.0	84.2	85.0
Oman	1181	62.3	22.5	14.3	60.9	1.9	0.4	65.1	59.7
Palestinian Nat'l Auth.	940	47.9	32.1	18.6	46.6	2.8	0.0	44.3	51.2
Portugal	783	77.3	8.8	13.8	76.7	0.4	0.3	77.7	76.8
Qatar	616	73.4	11.8	14.4	72.0	1.5	0.3	72.7	74.1
Romania	543	69.0	13.7	16.7	67.4	1.7	0.6	69.6	68.4
Saudi Arabia	839	54.1	22.7	22.5	53.3	1.5	0.1	55.4	52.9
Singapore	675	94.1	2.9	3.0	93.5	0.6	0.0	94.4	93.8
Sweden	716	91.4	4.3	4.1	89.1	1.6	0.8	90.9	91.8
Turkiye	705	58.3	18.5	22.9	57.9	0.6	0.0	56.7	60.0
United Arab Emirates	4711	79.1	8.8	11.7	77.8	1.1	0.5	78.8	79.4
United States	1162	82.4	5.4	11.8	80.5	0.8	1.5	81.0	83.7
Uzbekistan	620	52.7	18.9	24.2	48.0	8.6	0.3	57.8	48.1
International Avg. (40)	38091	73.7	11.5	14.0	72.2	1.9	0.3	73.4	74.1
Abu Dhabi, UAE	1743	73.4	12.2	14.0	72.3	1.1	0.4	73.1	73.7
Dubai, UAE	1176	87.3	4.5	8.1	86.3	0.9	0.3	86.4	88.1
Sharjah, UAE	921	80.2	8.0	11.4	78.7	1.0	1.0	79.0	81.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_03B ME72020B: Compare values of decimals and fractions - 0.7 and 70/100 - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	77.3	8.3	14.0	76.2	1.2	0.3	72.5	82.0
Austria	657	73.5	8.1	18.0	72.4	1.5	0.1	72.4	74.7
Azerbaijan	876	65.9	9.4	21.9	60.7	7.2	0.7	64.5	67.2
Bahrain	741	48.5	11.5	38.9	47.4	2.1	0.2	51.1	45.7
Brazil	3294	39.3	23.0	34.0	36.9	5.3	0.8	38.0	40.7
Chile	640	42.5	15.5	38.1	39.6	5.6	1.1	45.0	40.4
Chinese Taipei	798	86.9	6.1	6.9	86.2	0.8	0.0	88.8	85.2
Cyprus	605	67.5	12.1	20.0	66.6	1.1	0.2	65.1	70.0
Czech Republic	1155	56.2	16.0	27.6	55.8	0.5	0.1	51.3	60.7
England	598	76.8	9.2	13.7	75.7	1.5	0.0	72.2	81.4
Finland	835	79.5	6.6	13.3	76.9	2.6	0.6	75.8	83.0
France	642	65.9	12.9	20.7	64.9	1.4	0.0	64.7	67.1
Georgia	693	53.0	17.3	28.8	52.1	1.6	0.2	51.4	54.7
Hong Kong SAR	639	88.1	5.2	6.6	87.5	0.7	0.1	86.4	89.8
Hungary	772	61.0	15.4	23.4	60.6	0.6	0.0	57.0	65.4
Ireland	715	79.9	6.8	13.0	78.6	1.5	0.2	73.8	85.1
Israel	738	65.4	12.6	21.2	63.8	1.5	0.9	59.8	71.2
Italy	657	67.3	10.1	22.3	66.6	1.0	0.0	65.8	68.8
Japan	548	76.8	12.6	10.6	76.8	0.0	0.0	73.0	80.5
Jordan	977	39.6	14.6	44.2	38.6	2.2	0.4	37.2	41.8
Kazakhstan	909	59.3	13.6	26.2	58.0	2.0	0.2	60.0	58.7
Korea, Rep. of	607	80.3	10.7	8.9	80.0	0.4	0.0	75.7	84.4
Lithuania	778	63.4	12.9	23.4	62.9	0.7	0.0	63.1	63.6
Malaysia	1255	44.7	25.6	29.3	44.4	0.6	0.0	44.3	45.1
Malta	580	72.4	7.9	19.3	71.5	1.3	0.0	71.3	73.4
Morocco	1248	49.0	18.2	30.7	47.0	3.2	0.9	50.0	48.1
New Zealand	539	73.8	13.6	12.2	72.5	1.7	0.0	71.8	75.3
Norway (9)	899	78.8	8.5	11.8	75.3	3.5	1.0	75.2	81.7
Oman	1181	45.0	15.2	38.7	44.1	1.6	0.4	45.0	44.9
Palestinian Nat'l Auth.	940	35.4	16.1	46.6	34.3	3.1	0.0	31.8	38.6
Portugal	783	55.6	16.9	27.0	54.9	1.0	0.3	57.5	53.5
Qatar	616	57.0	11.4	31.1	56.4	0.8	0.3	57.4	56.6
Romania	543	68.6	8.4	22.2	66.7	2.1	0.6	68.6	68.5
Saudi Arabia	839	43.9	15.1	39.9	43.1	1.8	0.1	43.6	44.3
Singapore	675	84.6	5.5	9.8	84.2	0.5	0.0	84.1	85.0
Sweden	716	82.3	8.5	8.7	80.1	1.9	0.8	80.2	84.3
Turkiye	705	62.2	12.1	25.5	61.7	0.7	0.0	61.1	63.4
United Arab Emirates	4711	68.9	9.4	21.2	67.6	1.4	0.5	67.9	69.8
United States	1162	71.3	10.3	17.8	69.8	0.6	1.5	67.9	74.4
Uzbekistan	620	48.3	14.7	32.1	43.7	9.2	0.3	48.8	47.8
International Avg. (40)	38091	63.9	12.2	23.0	62.5	2.0	0.3	62.3	65.4
Abu Dhabi, UAE	1743	64.2	10.9	24.2	63.0	1.4	0.4	63.5	64.9
Dubai, UAE	1176	77.2	7.5	15.0	75.8	1.5	0.3	74.1	80.0
Sharjah, UAE	921	70.8	8.6	20.1	69.5	0.8	1.0	70.8	70.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_03C ME72020C: Compare values of decimals and fractions - 0.92 and 9/10 - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	75.3	74.3	21.1	3.2	1.1	0.3	74.0	76.6
Austria	657	80.1	79.2	17.5	2.2	1.0	0.1	80.3	79.9
Azerbaijan	876	72.3	66.6	20.1	5.5	7.2	0.7	73.7	71.0
Bahrain	741	72.8	71.1	19.3	7.3	2.1	0.2	75.4	70.1
Brazil	3294	46.5	43.1	30.4	19.2	6.5	0.8	44.1	48.8
Chile	640	56.5	52.4	30.0	10.4	6.0	1.1	57.6	55.5
Chinese Taipei	798	86.0	85.7	12.6	1.3	0.3	0.0	87.8	84.3
Cyprus	605	76.5	75.5	19.0	4.3	1.1	0.2	74.0	79.0
Czech Republic	1155	81.2	80.7	16.7	2.0	0.6	0.1	82.1	80.3
England	598	83.2	81.8	13.6	3.0	1.7	0.0	79.2	87.1
Finland	835	83.7	81.9	13.8	2.1	1.6	0.6	80.3	86.9
France	642	70.9	69.6	22.2	6.3	1.8	0.0	68.1	73.9
Georgia	693	66.8	64.1	26.6	5.3	3.8	0.2	60.5	73.0
Hong Kong SAR	639	88.0	87.6	10.3	1.6	0.5	0.1	85.1	90.8
Hungary	772	74.8	74.1	20.5	4.5	0.9	0.0	70.4	79.7
Ireland	715	85.8	84.3	13.1	0.9	1.6	0.2	84.5	86.8
Israel	738	75.0	73.3	20.7	3.8	1.4	0.9	73.2	76.9
Italy	657	74.9	73.5	19.6	5.0	1.8	0.0	75.3	74.4
Japan	548	82.0	81.8	17.1	0.9	0.2	0.0	77.3	86.6
Jordan	977	64.9	63.3	23.3	10.9	2.1	0.4	65.0	64.9
Kazakhstan	909	68.8	66.7	23.3	7.0	2.8	0.2	71.1	67.0
Korea, Rep. of	607	84.3	84.1	13.9	1.8	0.2	0.0	81.7	86.5
Lithuania	778	79.7	79.3	16.3	3.9	0.4	0.0	78.8	80.5
Malaysia	1255	48.5	48.1	33.3	17.8	0.8	0.0	47.9	49.1
Malta	580	78.0	77.1	19.8	1.9	1.2	0.0	77.7	78.3
Morocco	1248	60.0	57.5	26.4	11.9	3.3	0.9	60.4	59.7
New Zealand	539	68.3	67.5	27.2	4.2	1.1	0.0	70.3	66.7
Norway (9)	899	77.6	74.2	16.7	4.8	3.3	1.0	77.7	77.7
Oman	1181	68.0	66.2	23.3	7.9	2.1	0.4	73.6	62.7
Palestinian Nat'l Auth.	940	67.3	64.6	21.4	9.9	4.1	0.0	71.9	63.1
Portugal	783	68.8	67.7	23.0	7.8	1.3	0.3	68.8	68.7
Qatar	616	68.6	66.7	22.4	8.2	2.4	0.3	71.4	65.6
Romania	543	76.2	73.7	18.0	5.1	2.7	0.6	76.0	76.4
Saudi Arabia	839	62.2	60.8	24.5	12.5	2.1	0.1	64.6	59.8
Singapore	675	87.3	87.2	11.0	1.7	0.1	0.0	86.4	88.1
Sweden	716	82.6	80.4	15.4	1.5	1.9	0.8	80.5	84.6
Turkiye	705	74.1	73.6	16.9	8.8	0.7	0.0	75.8	72.4
United Arab Emirates	4711	75.1	73.5	19.0	5.4	1.7	0.5	74.6	75.6
United States	1162	78.5	76.9	17.9	3.2	0.6	1.5	75.9	80.9
Uzbekistan	620	59.3	51.8	28.7	6.8	12.4	0.3	61.0	57.9
International Avg. (40)	38091	73.3	71.5	20.1	5.8	2.2	0.3	72.9	73.7
Abu Dhabi, UAE	1743	70.5	69.0	22.0	6.8	1.7	0.4	69.4	71.5
Dubai, UAE	1176	82.0	80.6	14.5	3.2	1.5	0.3	79.6	84.3
Sharjah, UAE	921	75.9	74.0	18.6	4.9	1.5	1.0	75.9	75.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM2_03D ME72020D: Compare values of decimals and fractions - 0.012 and 3/25 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	74.2	16.0	72.7	9.3	1.7	0.3	69.6	78.2
Austria	657	78.7	12.2	77.5	8.8	1.5	0.1	82.5	74.7
Azerbaijan	876	68.1	21.9	62.2	7.2	8.0	0.7	63.9	71.9
Bahrain	741	56.9	32.1	55.6	10.0	2.1	0.2	57.4	56.4
Brazil	3294	44.2	29.8	40.6	21.4	7.3	0.8	41.4	47.0
Chile	640	58.7	24.7	53.4	12.9	7.9	1.1	56.7	60.4
Chinese Taipei	798	86.0	7.2	85.9	6.9	0.0	0.0	87.7	84.3
Cyprus	605	70.0	17.5	69.3	12.1	0.9	0.2	68.1	72.1
Czech Republic	1155	77.5	15.7	76.7	6.6	1.0	0.1	72.6	82.1
England	598	75.6	13.2	74.6	10.9	1.3	0.0	73.9	77.3
Finland	835	81.6	11.3	79.1	6.5	2.4	0.6	82.0	81.2
France	642	73.4	18.3	71.9	7.8	1.9	0.0	71.6	75.3
Georgia	693	70.9	22.9	68.0	5.0	4.1	0.2	68.1	73.8
Hong Kong SAR	639	86.6	8.8	86.2	4.4	0.4	0.1	85.2	88.0
Hungary	772	77.7	14.5	77.4	7.7	0.4	0.0	75.2	80.4
Ireland	715	78.6	10.2	77.3	10.8	1.5	0.2	77.6	79.5
Israel	738	72.5	16.6	71.0	10.4	1.2	0.9	71.0	74.1
Italy	657	76.4	15.9	75.2	7.4	1.5	0.0	77.9	74.9
Japan	548	82.1	8.2	82.1	9.7	0.0	0.0	79.0	85.2
Jordan	977	49.0	37.3	47.4	12.1	2.8	0.4	47.9	50.0
Kazakhstan	909	71.4	21.6	69.2	6.2	2.9	0.2	69.3	73.1
Korea, Rep. of	607	83.1	8.5	82.7	8.3	0.5	0.0	81.2	84.8
Lithuania	778	76.3	16.8	75.9	6.7	0.6	0.0	75.2	77.4
Malaysia	1255	50.0	27.4	49.4	22.0	1.1	0.0	51.5	48.4
Malta	580	72.1	16.4	71.1	11.2	1.3	0.0	71.5	72.6
Morocco	1248	57.0	29.6	54.0	11.1	4.4	0.9	55.7	58.4
New Zealand	539	64.2	23.1	63.1	12.1	1.7	0.0	62.0	65.9
Norway (9)	899	74.8	14.1	71.2	9.9	3.9	1.0	75.7	74.0
Oman	1181	53.5	34.7	52.3	10.7	1.9	0.4	50.4	56.4
Palestinian Nat'l Auth.	940	47.7	38.4	45.5	11.4	4.6	0.0	43.6	51.4
Portugal	783	68.0	25.0	67.3	6.7	0.8	0.3	68.6	67.4
Qatar	616	63.1	25.9	61.6	10.1	2.2	0.3	61.8	64.5
Romania	543	74.9	15.9	72.6	8.4	2.5	0.6	72.8	76.8
Saudi Arabia	839	50.7	31.4	49.4	16.7	2.5	0.1	47.0	54.3
Singapore	675	85.1	7.6	84.9	7.3	0.2	0.0	87.1	83.2
Sweden	716	77.7	11.8	75.4	9.9	2.1	0.8	77.7	77.7
Turkiye	705	61.9	24.1	61.2	13.6	1.1	0.0	60.0	63.9
United Arab Emirates	4711	69.5	20.5	68.0	9.3	1.7	0.5	65.3	73.6
United States	1162	73.2	14.9	71.7	11.4	0.6	1.5	72.7	73.6
Uzbekistan	620	58.8	27.8	51.9	8.6	11.5	0.3	55.6	61.6
International Avg. (40)	38091	69.3	19.7	67.6	10.0	2.4	0.3	67.8	70.6
Abu Dhabi, UAE	1743	67.2	23.0	65.9	9.2	1.5	0.4	64.5	69.7
Dubai, UAE	1176	76.3	14.8	74.7	8.4	1.8	0.3	73.0	79.4
Sharjah, UAE	921	70.5	19.9	68.6	8.9	1.7	1.0	64.6	76.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MM2_04 ME72027: Fraction of water in full container - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	73.0	72.6	17.9	4.7	4.3	0.2	0.3	70.7	75.0
Austria	657	72.2	71.5	18.3	3.4	5.7	0.9	0.2	70.5	74.0
Azerbaijan	876	48.6	47.5	18.3	6.0	26.0	1.4	0.8	40.6	55.7
Bahrain	741	41.8	41.4	30.7	12.7	14.4	0.7	0.2	39.1	44.6
Brazil	3294	38.4	37.8	40.1	10.9	9.5	0.7	1.1	32.7	44.0
Chile	640	48.6	46.6	33.6	10.9	4.7	3.1	1.1	41.4	54.7
Chinese Taipei	798	76.7	76.7	10.3	3.5	9.4	0.0	0.0	76.3	77.1
Cyprus	605	58.9	58.3	24.6	7.2	9.0	0.6	0.3	49.3	68.9
Czech Republic	1155	63.9	63.7	26.7	3.3	6.0	0.3	0.1	55.3	71.8
England	598	71.9	71.2	17.0	4.1	6.6	1.1	0.0	67.9	75.9
Finland	835	79.2	78.0	15.8	3.2	1.6	0.7	0.8	73.9	84.0
France	642	64.9	64.9	21.4	6.6	7.1	0.1	0.0	58.9	71.5
Georgia	693	50.7	49.3	35.1	4.5	8.4	2.6	0.2	47.3	54.0
Hong Kong SAR	639	72.9	72.4	15.3	4.9	6.8	0.6	0.1	66.7	78.9
Hungary	772	57.9	57.9	30.2	3.9	8.1	0.0	0.0	51.2	65.5
Ireland	715	79.3	78.9	15.2	2.7	2.7	0.3	0.2	74.4	83.3
Israel	738	62.6	61.4	24.4	5.8	6.4	0.9	1.0	55.8	69.8
Italy	657	58.8	58.3	21.2	5.9	13.9	0.5	0.2	52.5	65.1
Japan	548	74.7	74.4	13.9	3.3	8.1	0.3	0.0	68.5	80.8
Jordan	977	30.4	30.0	35.7	17.5	15.6	0.8	0.4	28.8	31.9
Kazakhstan	909	48.2	47.7	29.0	8.6	13.6	0.9	0.2	44.9	50.9
Korea, Rep. of	607	72.5	72.5	13.8	4.3	9.3	0.0	0.0	65.3	78.8
Lithuania	778	58.8	58.5	27.5	5.3	8.1	0.6	0.0	54.8	62.8
Malaysia	1255	30.1	30.1	39.3	12.8	17.7	0.2	0.0	25.8	34.6
Malta	580	52.9	52.6	24.1	6.9	15.8	0.5	0.0	47.2	58.0
Morocco	1248	14.4	14.2	29.3	23.9	30.9	0.5	1.2	13.3	15.5
New Zealand	539	73.3	73.2	19.6	4.6	2.5	0.2	0.0	72.8	73.6
Norway (9)	899	77.1	75.5	15.8	3.3	3.4	0.6	1.4	74.9	79.1
Oman	1181	30.8	30.3	29.8	17.7	20.7	1.1	0.5	24.8	36.2
Palestinian Nat'l Auth.	940	27.7	27.5	33.5	19.5	18.7	0.8	0.1	24.8	30.4
Portugal	783	55.8	55.4	31.0	6.7	6.3	0.4	0.3	52.4	59.3
Qatar	616	48.0	46.8	23.4	12.5	14.7	2.0	0.5	46.9	49.3
Romania	543	53.1	52.6	30.2	9.7	6.5	0.4	0.6	48.5	57.1
Saudi Arabia	839	31.0	30.7	35.3	16.5	16.7	0.5	0.2	28.4	33.4
Singapore	675	85.8	85.8	8.9	2.2	3.1	0.0	0.0	83.9	87.5
Sweden	716	80.7	79.7	13.9	2.7	2.6	0.3	0.8	82.2	79.3
Turkiye	705	62.8	61.8	20.8	8.4	7.4	1.7	0.0	58.0	68.0
United Arab Emirates	4711	47.7	46.8	22.8	10.6	18.1	1.1	0.7	40.0	55.0
United States	1162	57.2	56.1	22.6	8.6	10.8	0.3	1.6	50.9	62.8
Uzbekistan	620	45.8	45.1	32.3	6.7	14.4	1.1	0.5	43.1	48.3
International Avg. (40)	38091	57.0	56.4	24.2	7.9	10.4	0.7	0.4	52.6	61.2
Abu Dhabi, UAE	1743	38.5	37.9	26.6	13.5	20.6	0.8	0.6	29.8	46.7
Dubai, UAE	1176	63.9	62.8	18.0	5.9	11.6	1.1	0.6	57.3	70.0
Sharjah, UAE	921	47.3	46.3	21.6	10.0	20.0	1.2	1.0	40.1	54.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MM2_05 ME72052: Table of proportional x and y (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	10.8	10.4	86.1	10.4	86.1	3.1	0.4	8.5	12.8
Austria	656	20.6	20.0	77.1	20.0	77.1	2.7	0.2	17.7	23.7
Azerbaijan	876	25.1	23.7	70.6	23.7	70.6	4.9	0.8	24.7	25.5
Bahrain	741	10.1	10.0	88.3	10.0	88.3	1.6	0.2	10.5	9.7
Brazil	3291	4.8	4.5	89.2	4.5	89.2	5.2	1.1	4.4	5.1
Chile	640	7.7	6.8	81.7	6.8	81.7	10.3	1.3	7.4	7.9
Chinese Taipei	798	66.0	66.0	34.0	66.0	34.0	0.0	0.0	71.7	60.8
Cyprus	605	23.0	22.5	75.2	22.5	75.2	1.8	0.5	21.4	24.7
Czech Republic	1155	18.3	17.5	78.0	17.5	78.0	4.5	0.1	15.4	21.0
England	598	22.2	21.6	75.5	21.6	75.5	2.9	0.0	17.7	26.6
Finland	835	18.2	17.6	79.3	17.6	79.3	2.2	0.9	13.9	22.0
France	638	35.7	34.6	62.3	34.6	62.3	3.1	0.0	34.3	37.1
Georgia	693	17.8	16.9	77.9	16.9	77.9	4.8	0.4	17.2	18.4
Hong Kong SAR	639	48.6	48.0	50.8	48.0	50.8	1.1	0.1	44.8	52.2
Hungary	772	19.6	19.1	78.8	19.1	78.8	2.1	0.0	17.0	22.4
Ireland	715	13.4	13.0	84.5	13.0	84.5	2.2	0.3	8.8	17.1
Israel	738	16.3	15.5	79.7	15.5	79.7	3.7	1.0	14.0	18.8
Italy	656	17.5	16.8	79.3	16.8	79.3	3.7	0.2	15.9	19.1
Japan	548	37.6	37.3	61.9	37.3	61.9	0.6	0.1	31.6	43.6
Jordan	977	6.3	6.2	92.5	6.2	92.5	0.9	0.4	6.6	6.0
Kazakhstan	909	14.7	14.4	84.1	14.4	84.1	1.2	0.3	13.3	15.7
Korea, Rep. of	607	56.3	56.0	43.4	56.0	43.4	0.7	0.0	50.9	61.1
Lithuania	778	21.5	21.2	77.2	21.2	77.2	1.6	0.0	17.7	25.4
Malaysia	1255	3.9	3.9	95.5	3.9	95.5	0.6	0.0	3.4	4.4
Malta	580	12.4	12.0	84.9	12.0	84.9	3.1	0.0	9.4	15.0
Morocco	1247	18.8	17.7	76.6	17.7	76.6	4.5	1.2	18.5	19.1
New Zealand	539	11.2	11.0	87.4	11.0	87.4	1.5	0.0	10.3	11.9
Norway (9)	899	9.1	8.4	84.0	8.4	84.0	6.2	1.4	7.1	10.7
Oman	1180	7.6	7.5	90.5	7.5	90.5	1.5	0.6	5.5	9.6
Palestinian Nat'l Auth.	940	7.3	7.2	91.7	7.2	91.7	0.7	0.3	5.5	9.0
Portugal	783	15.2	14.5	81.3	14.5	81.3	3.9	0.3	14.3	16.0
Qatar	616	9.6	9.4	88.7	9.4	88.7	0.8	1.1	8.8	10.4
Romania	543	27.5	26.6	70.2	26.6	70.2	2.6	0.6	33.3	22.4
Saudi Arabia	838	3.1	3.1	96.4	3.1	96.4	0.3	0.2	2.3	3.8
Singapore	675	53.0	52.8	46.8	52.8	46.8	0.4	0.0	49.1	56.5
Sweden	716	7.4	6.9	87.3	6.9	87.3	4.9	0.8	6.2	8.3
Turkiye	705	22.2	21.3	74.6	21.3	74.6	4.1	0.0	21.5	23.1
United Arab Emirates	4710	20.9	20.4	77.2	20.4	77.2	1.5	0.9	18.2	23.4
United States	1162	16.0	15.6	82.2	15.6	82.2	0.6	1.6	12.8	18.9
Uzbekistan	620	8.8	8.6	89.0	8.6	89.0	1.8	0.7	8.7	8.8
International Avg. (40)	38078	19.6	19.2	77.8	19.2	77.8	2.6	0.4	18.0	21.2
Abu Dhabi, UAE	1742	13.0	12.7	85.3	12.7	85.3	1.2	0.8	12.2	13.7
Dubai, UAE	1176	32.2	31.3	65.9	31.3	65.9	2.2	0.7	27.1	37.0
Sharjah, UAE	921	24.8	24.1	73.2	24.1	73.2	1.6	1.0	24.0	25.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MM2_05A ME72052A: Table of proportional x and y - x value - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	15.3	14.7	81.2	14.7	81.2	3.6	0.4	12.2	18.1
Austria	656	24.1	23.3	73.5	23.3	73.5	3.0	0.2	21.7	26.5
Azerbaijan	876	33.1	31.1	62.8	31.1	62.8	5.3	0.8	34.4	32.0
Bahrain	741	16.4	16.1	81.8	16.1	81.8	2.0	0.2	16.2	16.6
Brazil	3292	12.5	11.7	81.6	11.7	81.6	5.6	1.1	13.3	11.8
Chile	640	13.0	11.5	76.7	11.5	76.7	10.5	1.3	12.6	13.3
Chinese Taipei	798	67.7	67.7	32.3	67.7	32.3	0.0	0.0	72.9	62.8
Cyprus	605	25.7	25.1	72.6	25.1	72.6	1.8	0.5	24.1	27.2
Czech Republic	1155	21.6	20.5	74.6	20.5	74.6	4.8	0.1	19.0	23.9
England	598	25.6	24.8	72.0	24.8	72.0	3.1	0.0	20.6	30.5
Finland	835	21.6	20.9	75.7	20.9	75.7	2.6	0.9	17.5	25.3
France	639	39.8	38.5	58.2	38.5	58.2	3.3	0.0	38.8	40.8
Georgia	693	22.5	21.3	73.4	21.3	73.4	4.9	0.4	21.3	23.6
Hong Kong SAR	639	51.9	51.3	47.5	51.3	47.5	1.1	0.1	47.6	56.1
Hungary	772	22.1	21.7	76.2	21.7	76.2	2.2	0.0	19.6	24.9
Ireland	715	16.9	16.4	80.8	16.4	80.8	2.5	0.3	11.5	21.3
Israel	738	19.3	18.3	76.5	18.3	76.5	4.2	1.0	16.2	22.7
Italy	656	21.6	20.7	75.3	20.7	75.3	3.8	0.2	20.0	23.2
Japan	548	40.4	39.9	58.8	39.9	58.8	1.2	0.1	35.4	45.4
Jordan	977	10.9	10.7	87.5	10.7	87.5	1.4	0.4	10.5	11.3
Kazakhstan	909	18.0	17.7	80.6	17.7	80.6	1.4	0.3	17.8	18.2
Korea, Rep. of	607	59.9	59.4	39.7	59.4	39.7	0.9	0.0	55.1	64.1
Lithuania	778	26.4	26.0	72.3	26.0	72.3	1.7	0.0	22.6	30.2
Malaysia	1255	8.4	8.3	90.9	8.3	90.9	0.8	0.0	7.5	9.4
Malta	580	16.0	15.5	81.4	15.5	81.4	3.1	0.0	12.1	19.5
Morocco	1247	26.3	24.6	69.1	24.6	69.1	5.1	1.2	28.5	24.2
New Zealand	539	15.1	14.8	83.3	14.8	83.3	1.9	0.0	13.4	16.4
Norway (9)	899	11.7	10.7	81.2	10.7	81.2	6.6	1.4	9.3	13.3
Oman	1181	13.2	12.9	84.8	12.9	84.8	1.7	0.6	10.2	15.8
Palestinian Nat'l Auth.	940	12.6	12.5	86.1	12.5	86.1	1.2	0.3	9.7	15.3
Portugal	783	20.7	19.8	75.9	19.8	75.9	4.0	0.3	20.7	20.8
Qatar	616	16.1	15.7	81.9	15.7	81.9	1.3	1.1	15.2	17.2
Romania	543	37.6	36.4	60.4	36.4	60.4	2.6	0.6	41.1	34.5
Saudi Arabia	838	8.4	8.3	90.8	8.3	90.8	0.6	0.2	5.5	11.0
Singapore	675	57.4	57.2	42.5	57.2	42.5	0.4	0.0	53.6	60.8
Sweden	716	10.7	10.0	84.0	10.0	84.0	5.2	0.8	9.1	12.0
Turkiye	705	26.3	24.9	69.6	24.9	69.6	5.5	0.0	25.6	27.1
United Arab Emirates	4710	26.2	25.5	71.8	25.5	71.8	1.8	0.9	24.0	28.3
United States	1162	19.2	18.8	78.9	18.8	78.9	0.7	1.6	16.5	21.6
Uzbekistan	620	15.2	14.9	82.7	14.9	82.7	1.8	0.7	14.0	16.3
International Avg. (40)	38081	24.2	23.5	73.2	23.5	73.2	2.9	0.4	22.4	25.8
Abu Dhabi, UAE	1742	17.5	17.1	80.5	17.1	80.5	1.5	0.8	17.2	17.9
Dubai, UAE	1176	37.4	36.3	60.7	36.3	60.7	2.3	0.7	32.5	41.9
Sharjah, UAE	921	30.5	29.6	67.5	29.6	67.5	1.9	1.0	30.5	30.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MM2_05B ME72052B: Table of proportional x and y - y value - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	14.8	14.1	81.4	14.1	81.4	4.0	0.4	11.6	17.5
Austria	657	29.0	27.9	68.4	27.9	68.4	3.5	0.2	26.2	31.8
Azerbaijan	876	34.8	31.9	59.9	31.9	59.9	7.4	0.8	32.8	36.5
Bahrain	741	16.7	16.3	81.1	16.3	81.1	2.4	0.2	17.6	15.8
Brazil	3293	13.9	12.9	79.9	12.9	79.9	6.0	1.1	14.6	13.2
Chile	640	13.1	11.4	75.5	11.4	75.5	11.9	1.3	14.0	12.4
Chinese Taipei	798	69.5	69.4	30.4	69.4	30.4	0.2	0.0	75.3	64.2
Cyprus	605	29.1	28.3	69.0	28.3	69.0	2.3	0.5	27.9	30.2
Czech Republic	1155	25.7	24.4	70.4	24.4	70.4	5.1	0.1	23.1	28.1
England	598	28.0	27.0	69.3	27.0	69.3	3.7	0.0	23.0	33.0
Finland	835	25.3	24.2	71.6	24.2	71.6	3.3	0.9	22.1	28.1
France	639	43.5	41.3	53.7	41.3	53.7	5.0	0.0	42.6	44.4
Georgia	693	24.5	22.9	70.5	22.9	70.5	6.2	0.4	23.6	25.3
Hong Kong SAR	639	53.9	53.1	45.4	53.1	45.4	1.5	0.1	49.4	58.3
Hungary	772	26.5	25.8	71.5	25.8	71.5	2.7	0.0	22.4	31.1
Ireland	715	22.2	21.5	75.1	21.5	75.1	3.2	0.3	16.3	27.2
Israel	738	20.8	19.7	74.9	19.7	74.9	4.4	1.0	18.7	23.0
Italy	656	22.4	21.3	73.7	21.3	73.7	4.8	0.2	21.0	23.8
Japan	548	41.6	41.2	57.8	41.2	57.8	0.9	0.1	38.0	45.2
Jordan	977	13.7	13.4	84.3	13.4	84.3	2.0	0.4	13.5	13.8
Kazakhstan	909	30.7	29.9	67.7	29.9	67.7	2.0	0.3	32.5	29.2
Korea, Rep. of	607	61.8	61.2	37.9	61.2	37.9	0.9	0.0	56.2	66.7
Lithuania	778	30.4	29.8	68.2	29.8	68.2	2.0	0.0	25.3	35.4
Malaysia	1255	13.5	13.4	85.9	13.4	85.9	0.7	0.0	15.0	11.8
Malta	580	17.0	16.4	80.3	16.4	80.3	3.3	0.0	13.1	20.4
Morocco	1248	33.3	30.8	61.8	30.8	61.8	6.2	1.2	32.4	34.2
New Zealand	539	17.2	16.9	81.2	16.9	81.2	2.0	0.0	17.7	16.9
Norway (9)	899	14.8	13.4	77.5	13.4	77.5	7.6	1.4	13.6	15.8
Oman	1180	14.8	14.4	83.0	14.4	83.0	2.0	0.6	10.9	18.4
Palestinian Nat'l Auth.	940	16.6	16.2	81.5	16.2	81.5	2.0	0.3	15.9	17.3
Portugal	783	20.3	19.2	75.0	19.2	75.0	5.5	0.3	18.8	21.9
Qatar	616	17.6	17.2	80.2	17.2	80.2	1.5	1.1	17.1	18.2
Romania	543	33.9	32.8	63.8	32.8	63.8	2.9	0.6	37.4	30.9
Saudi Arabia	838	9.5	9.5	89.8	9.5	89.8	0.5	0.2	7.4	11.5
Singapore	675	57.4	57.2	42.4	57.2	42.4	0.4	0.0	53.3	61.2
Sweden	716	11.1	10.3	82.5	10.3	82.5	6.3	0.8	8.7	13.3
Turkiye	705	27.2	25.4	68.2	25.4	68.2	6.4	0.0	26.6	27.8
United Arab Emirates	4710	26.2	25.4	71.3	25.4	71.3	2.4	0.9	24.4	28.0
United States	1162	19.7	19.2	78.3	19.2	78.3	0.8	1.6	16.1	22.9
Uzbekistan	620	22.7	21.8	74.2	21.8	74.2	3.4	0.7	23.8	21.7
International Avg. (40)	38083	26.6	25.7	70.4	25.7	70.4	3.5	0.4	25.0	28.2
Abu Dhabi, UAE	1742	18.6	18.0	78.8	18.0	78.8	2.3	0.8	18.4	18.8
Dubai, UAE	1176	36.6	35.2	61.0	35.2	61.0	3.1	0.7	33.2	39.7
Sharjah, UAE	921	29.1	28.1	68.5	28.1	68.5	2.4	1.0	28.1	30.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_MM2_06 ME72067: Value of y when a = 10, b = 4, and f = -2 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	64.7	8.4	63.9	8.6	17.8	0.8	0.5	63.4	66.0
Austria	657	70.6	5.2	69.9	3.4	20.5	0.8	0.2	72.1	69.1
Azerbaijan	876	68.3	9.8	66.2	7.7	13.3	1.9	1.0	67.2	69.2
Bahrain	740	55.8	12.7	55.4	12.6	18.5	0.6	0.2	60.4	50.9
Brazil	3294	34.3	13.3	33.2	17.1	33.2	1.8	1.4	34.1	34.5
Chile	640	39.9	10.0	37.0	18.3	27.4	5.5	1.7	39.4	40.3
Chinese Taipei	798	87.2	2.9	87.2	4.4	5.4	0.0	0.0	90.5	84.2
Cyprus	605	71.2	5.9	70.6	9.4	13.1	0.3	0.7	74.7	67.6
Czech Republic	1155	59.9	4.6	59.5	3.7	31.5	0.6	0.1	62.2	57.8
England	598	69.1	6.8	68.0	5.3	18.4	1.6	0.0	67.5	70.6
Finland	835	55.0	6.3	54.1	9.4	28.6	0.6	0.9	57.8	52.4
France	642	45.3	9.7	44.4	10.0	34.0	1.9	0.0	45.3	45.3
Georgia	693	62.5	10.3	61.2	8.0	18.4	1.4	0.7	59.4	65.5
Hong Kong SAR	639	85.8	3.9	85.7	3.0	7.3	0.1	0.1	87.9	83.7
Hungary	772	58.9	6.6	58.8	8.8	25.8	0.2	0.0	59.7	57.8
Ireland	715	57.7	8.4	57.1	2.9	30.6	0.4	0.6	55.9	59.2
Israel	738	59.8	6.3	58.3	11.6	21.3	1.6	1.0	60.6	59.0
Italy	657	55.6	4.7	54.3	15.0	23.6	2.2	0.2	57.7	53.5
Japan	548	86.2	4.2	86.1	4.9	4.6	0.0	0.1	87.2	85.3
Jordan	977	48.8	11.7	48.3	16.8	22.1	0.4	0.7	51.2	46.6
Kazakhstan	909	54.6	13.7	54.1	9.7	21.5	0.7	0.3	57.6	52.2
Korea, Rep. of	607	85.1	4.5	84.9	5.1	5.3	0.1	0.0	83.7	86.2
Lithuania	778	68.3	5.2	68.0	5.5	21.0	0.3	0.1	70.4	66.1
Malaysia	1255	36.9	14.0	36.8	17.7	31.2	0.3	0.1	35.9	38.0
Malta	580	70.4	8.5	70.1	7.2	13.8	0.3	0.0	74.4	66.8
Morocco	1248	32.4	12.2	31.7	20.5	33.4	0.6	1.6	34.5	30.5
New Zealand	539	48.9	8.4	48.4	12.0	30.1	1.1	0.0	48.1	49.5
Norway (9)	899	49.4	6.4	47.8	10.4	32.1	1.8	1.6	47.8	50.9
Oman	1181	55.0	10.4	54.2	12.5	21.4	0.5	0.9	62.3	48.3
Palestinian Nat'l Auth.	940	46.6	15.5	46.1	15.3	21.9	0.6	0.5	46.4	46.8
Portugal	783	44.5	7.7	44.0	14.3	32.9	0.5	0.6	45.2	43.8
Qatar	616	59.4	10.6	58.2	12.0	17.2	0.8	1.1	61.8	56.7
Romania	543	69.2	7.0	68.6	9.4	14.1	0.1	0.7	77.0	62.5
Saudi Arabia	839	42.6	16.3	42.5	19.5	21.5	0.1	0.2	42.9	42.3
Singapore	675	88.7	2.1	88.5	3.1	6.1	0.2	0.0	90.8	86.7
Sweden	716	51.9	8.6	50.5	6.5	31.7	1.5	1.2	53.7	50.3
Turkiye	705	52.9	9.1	50.4	11.5	24.3	4.7	0.0	53.4	52.5
United Arab Emirates	4710	67.2	8.2	65.9	8.0	16.0	0.7	1.3	66.8	67.6
United States	1162	65.0	9.3	63.8	10.4	14.7	0.2	1.7	67.1	63.1
Uzbekistan	620	51.0	14.1	50.3	11.1	23.1	0.3	1.1	52.8	49.4
International Avg. (40)	38089	59.4	8.6	58.6	10.1	21.2	1.0	0.6	60.7	58.2
Abu Dhabi, UAE	1742	58.4	9.6	57.2	10.9	20.2	0.9	1.1	56.1	60.5
Dubai, UAE	1176	79.6	5.8	78.3	3.8	10.5	0.6	1.0	80.4	78.9
Sharjah, UAE	921	70.9	6.8	69.3	7.3	14.4	0.7	1.5	71.3	70.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Reasoning

B_MM2_07A ME72083A: Model planes - Explain amount of time - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	67.1	59.9	29.3	59.9	29.3	10.3	0.5	66.1	68.6
Austria	656	67.1	60.5	29.6	60.5	29.6	9.7	0.2	71.1	63.0
Azerbaijan	876	68.5	35.0	16.1	35.0	16.1	47.8	1.0	64.1	72.5
Bahrain	741	44.6	31.2	38.8	31.2	38.8	29.8	0.3	48.0	40.8
Brazil	3292	35.6	24.7	44.7	24.7	44.7	29.0	1.5	29.4	41.8
Chile	640	53.7	38.1	32.8	38.1	32.8	27.3	1.9	48.2	58.2
Chinese Taipei	798	81.4	78.2	17.8	78.2	17.8	3.9	0.0	84.8	78.3
Cyprus	605	65.8	54.5	28.3	54.5	28.3	16.5	0.7	63.1	68.5
Czech Republic	1155	74.7	64.5	21.8	64.5	21.8	13.6	0.2	75.5	74.1
England	598	78.5	68.1	18.6	68.1	18.6	13.3	0.0	76.4	80.6
Finland	835	62.2	56.7	34.5	56.7	34.5	7.8	1.0	64.8	59.8
France	642	72.9	60.7	22.5	60.7	22.5	16.7	0.0	76.5	69.2
Georgia	693	67.7	47.7	22.7	47.7	22.7	28.6	1.0	63.4	72.1
Hong Kong SAR	639	84.6	75.6	13.7	75.6	13.7	10.6	0.1	81.0	88.4
Hungary	772	70.2	61.9	26.3	61.9	26.3	11.9	0.0	72.6	67.7
Ireland	715	78.9	73.3	19.6	73.3	19.6	6.5	0.6	80.7	77.4
Israel	738	73.9	56.6	19.9	56.6	19.9	22.1	1.4	72.7	75.3
Italy	657	71.2	61.6	24.9	61.6	24.9	13.1	0.3	68.3	74.1
Japan	548	78.8	73.6	19.8	73.6	19.8	6.5	0.1	78.2	79.4
Jordan	974	34.6	22.7	42.9	22.7	42.9	33.6	0.7	35.9	33.2
Kazakhstan	909	48.9	33.2	34.7	33.2	34.7	31.7	0.4	49.3	48.5
Korea, Rep. of	607	84.7	78.9	14.3	78.9	14.3	6.9	0.0	80.9	88.1
Lithuania	778	71.4	61.1	24.5	61.1	24.5	14.3	0.1	73.0	69.9
Malaysia	1255	28.4	26.8	67.6	26.8	67.6	5.5	0.2	28.6	28.1
Malta	580	73.4	64.2	23.3	64.2	23.3	12.5	0.0	74.6	72.3
Morocco	1247	24.2	10.1	31.6	10.1	31.6	56.7	1.6	21.5	26.6
New Zealand	539	66.5	58.4	29.4	58.4	29.4	12.3	0.0	65.9	67.1
Norway (9)	899	66.5	55.7	28.1	55.7	28.1	14.6	1.6	71.3	62.6
Oman	1181	34.2	26.4	50.8	26.4	50.8	21.9	0.9	35.3	33.1
Palestinian Nat'l Auth.	939	21.4	14.5	53.3	14.5	53.3	31.6	0.6	19.4	23.6
Portugal	783	66.5	57.0	28.7	57.0	28.7	13.7	0.6	66.8	66.2
Qatar	616	56.5	44.9	34.6	44.9	34.6	19.2	1.2	55.3	57.9
Romania	542	63.6	46.6	26.6	46.6	26.6	26.1	0.8	64.1	63.2
Saudi Arabia	839	29.3	20.4	49.1	20.4	49.1	30.3	0.2	29.5	29.1
Singapore	674	84.7	83.2	15.0	83.2	15.0	1.8	0.0	86.1	83.5
Sweden	716	72.5	63.9	24.2	63.9	24.2	10.8	1.2	80.6	65.7
Turkiye	704	69.3	51.4	22.7	51.4	22.7	25.9	0.0	67.9	71.1
United Arab Emirates	4711	62.9	48.6	28.7	48.6	28.7	21.1	1.6	59.5	66.3
United States	1161	59.8	53.4	36.0	53.4	36.0	8.9	1.7	56.7	62.4
Uzbekistan	620	33.8	16.8	33.0	16.8	33.0	49.0	1.2	33.4	34.1
International Avg. (40)	38079	61.3	50.5	29.5	50.5	29.5	19.3	0.6	61.0	61.6
Abu Dhabi, UAE	1743	52.0	38.4	35.4	38.4	35.4	24.7	1.6	45.2	58.6
Dubai, UAE	1176	81.8	69.7	15.5	69.7	15.5	13.6	1.2	79.8	83.7
Sharjah, UAE	921	63.3	49.0	28.4	49.0	28.4	20.7	1.9	62.4	64.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM2_07B ME72083B: Model planes - inequality - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	42.8	24.2	12.8	18.4	41.4	2.7	0.5	47.9	38.9
Austria	657	49.6	23.0	10.0	14.4	46.6	5.8	0.2	60.7	38.6
Azerbaijan	876	34.0	26.4	17.1	12.6	28.9	13.4	1.7	33.6	34.4
Bahrain	741	36.7	23.8	17.0	19.2	34.8	4.6	0.5	42.1	31.0
Brazil	3294	24.9	25.3	22.8	20.6	22.7	6.7	1.8	25.6	24.1
Chile	640	31.2	26.3	14.2	19.2	27.0	10.8	2.4	32.3	30.2
Chinese Taipei	798	62.4	18.8	7.0	11.5	62.1	0.5	0.0	64.9	60.1
Cyprus	605	37.6	29.8	14.6	15.4	36.1	3.3	0.8	38.2	37.1
Czech Republic	1155	48.2	24.5	11.4	13.0	45.5	5.2	0.4	51.9	44.8
England	598	46.5	23.7	11.9	15.3	44.1	5.0	0.0	49.5	43.5
Finland	835	37.9	31.2	13.4	15.0	36.4	2.9	1.1	43.9	32.6
France	642	39.7	28.4	11.2	16.7	37.0	6.5	0.2	42.9	36.2
Georgia	693	36.7	26.2	17.2	14.5	33.6	7.5	1.0	34.2	39.1
Hong Kong SAR	639	60.4	16.4	10.2	12.4	59.6	1.3	0.1	62.2	58.7
Hungary	772	44.3	22.8	14.2	17.6	43.5	1.9	0.0	51.1	36.7
Ireland	715	43.0	32.9	6.7	15.7	41.7	2.5	0.6	44.7	41.6
Israel	738	40.3	21.8	14.3	19.1	37.3	6.1	1.4	41.6	39.0
Italy	657	45.7	21.4	10.2	19.6	43.1	5.3	0.3	52.6	38.8
Japan	548	67.3	15.9	7.2	9.3	66.5	1.0	0.1	68.1	66.5
Jordan	977	27.0	28.3	21.4	20.1	25.9	3.0	1.2	30.4	23.9
Kazakhstan	909	36.5	31.2	16.0	13.6	35.0	3.1	1.1	41.9	32.3
Korea, Rep. of	607	70.9	17.5	4.5	6.8	70.4	0.7	0.0	72.9	69.2
Lithuania	778	50.3	25.4	10.0	13.3	49.3	2.0	0.1	54.5	46.2
Malaysia	1255	27.1	30.2	19.6	21.8	26.6	1.5	0.3	29.5	24.6
Malta	580	39.8	26.7	12.9	17.3	37.6	5.4	0.0	47.3	33.1
Morocco	1248	17.6	29.4	24.5	22.4	16.3	5.5	1.9	15.6	19.6
New Zealand	539	42.0	23.0	14.4	18.3	40.4	3.6	0.3	46.5	38.7
Norway (9)	899	36.1	23.6	16.7	17.6	32.7	7.6	1.8	40.3	32.8
Oman	1181	23.9	29.3	22.2	19.8	22.4	5.1	1.1	28.6	19.8
Palestinian Nat'l Auth.	940	20.4	29.6	26.0	19.9	19.3	4.3	0.9	22.1	18.8
Portugal	783	40.2	23.9	15.1	18.9	38.9	2.6	0.6	42.9	37.4
Qatar	616	36.2	27.2	17.3	16.8	34.8	2.4	1.5	43.5	28.4
Romania	543	36.5	28.1	15.0	17.7	35.0	3.0	1.3	40.9	32.7
Saudi Arabia	839	20.8	35.3	20.7	20.5	20.1	2.8	0.6	23.0	18.8
Singapore	675	58.9	20.8	10.1	10.0	58.8	0.2	0.0	62.9	55.4
Sweden	716	42.3	24.0	13.0	15.8	38.7	7.2	1.2	47.0	38.2
Turkiye	705	47.6	24.3	10.0	14.9	44.7	6.1	0.0	54.8	39.9
United Arab Emirates	4711	44.6	22.5	15.3	14.7	42.1	3.5	1.9	47.7	41.6
United States	1162	50.2	16.2	12.5	19.3	48.5	1.7	1.8	52.6	48.1
Uzbekistan	620	27.2	27.5	18.4	20.2	24.7	7.1	2.1	29.0	25.5
International Avg. (40)	38091	40.6	25.2	14.5	16.5	38.8	4.3	0.8	44.1	37.4
Abu Dhabi, UAE	1743	37.9	22.5	18.6	17.6	35.7	3.7	1.9	38.8	37.0
Dubai, UAE	1176	58.5	20.1	9.3	10.0	55.4	3.5	1.7	62.1	55.1
Sharjah, UAE	921	45.5	23.4	15.0	13.4	43.2	3.2	1.9	47.7	43.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM2_08A ME72108A: Small triangles in figure - figure 10 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	39.2	36.7	57.0	36.7	57.0	5.7	0.5	39.9	39.0
Austria	657	54.1	50.8	43.1	50.8	43.1	5.9	0.2	54.7	53.5
Azerbaijan	876	57.4	48.6	36.0	48.6	36.0	13.5	1.9	59.1	55.9
Bahrain	741	37.2	35.1	59.3	35.1	59.3	5.0	0.6	42.6	31.5
Brazil	3293	21.7	19.2	69.0	19.2	69.0	9.4	2.5	18.7	24.7
Chile	640	28.0	23.7	61.1	23.7	61.1	12.8	2.4	23.2	31.8
Chinese Taipei	798	70.1	69.0	29.5	69.0	29.5	1.5	0.0	75.1	65.4
Cyprus	605	57.3	53.7	40.0	53.7	40.0	5.5	0.8	63.6	50.8
Czech Republic	1155	56.9	52.9	40.1	52.9	40.1	6.6	0.4	57.0	56.7
England	598	49.3	45.2	46.5	45.2	46.5	8.1	0.2	46.0	52.7
Finland	834	34.8	32.1	60.1	32.1	60.1	6.6	1.2	32.3	37.0
France	642	41.9	38.7	53.7	38.7	53.7	7.5	0.2	40.4	43.3
Georgia	693	49.7	43.9	44.4	43.9	44.4	10.6	1.1	49.2	50.2
Hong Kong SAR	637	54.6	52.7	43.7	52.7	43.7	3.5	0.1	54.3	54.9
Hungary	772	34.7	32.5	61.1	32.5	61.1	6.3	0.0	34.3	35.2
Ireland	715	36.5	34.8	60.5	34.8	60.5	4.1	0.6	30.5	41.6
Israel	738	47.6	43.5	47.9	43.5	47.9	7.0	1.6	43.8	51.4
Italy	657	53.8	49.1	42.1	49.1	42.1	8.2	0.6	51.7	56.0
Japan	548	69.4	63.9	28.2	63.9	28.2	7.6	0.3	64.9	73.9
Jordan	977	38.1	36.5	59.2	36.5	59.2	3.0	1.2	33.9	42.2
Kazakhstan	909	55.2	51.8	42.1	51.8	42.1	5.0	1.1	56.3	54.3
Korea, Rep. of	606	67.8	66.8	31.8	66.8	31.8	1.4	0.0	65.1	70.1
Lithuania	778	52.4	48.9	44.4	48.9	44.4	6.7	0.1	51.5	53.3
Malaysia	1255	13.6	13.2	83.9	13.2	83.9	2.1	0.7	12.1	15.2
Malta	580	38.0	36.1	58.9	36.1	58.9	4.9	0.2	37.1	38.8
Morocco	1248	36.3	33.4	58.7	33.4	58.7	6.1	1.9	37.9	34.8
New Zealand	539	35.1	32.4	60.1	32.4	60.1	6.9	0.6	36.0	34.4
Norway (9)	899	33.7	28.5	56.0	28.5	56.0	13.3	2.1	32.4	34.7
Oman	1181	36.1	33.5	59.3	33.5	59.3	5.5	1.8	37.5	34.7
Palestinian Nat'l Auth.	939	45.7	44.1	52.3	44.1	52.3	2.3	1.2	45.8	45.7
Portugal	783	37.7	35.7	59.0	35.7	59.0	4.7	0.6	36.9	38.6
Qatar	616	49.1	46.3	47.9	46.3	47.9	4.0	1.8	50.8	47.3
Romania	543	58.7	55.1	38.8	55.1	38.8	4.9	1.3	62.6	55.2
Saudi Arabia	838	30.4	28.8	65.8	28.8	65.8	4.5	0.9	32.9	28.2
Singapore	675	62.6	61.5	36.7	61.5	36.7	1.8	0.0	64.7	60.8
Sweden	716	35.2	31.0	57.1	31.0	57.1	10.5	1.4	37.0	33.4
Turkiye	705	40.8	36.8	53.4	36.8	53.4	9.8	0.0	40.9	40.7
United Arab Emirates	4711	46.9	43.4	49.1	43.4	49.1	5.4	2.2	45.8	48.0
United States	1162	45.6	43.1	51.5	43.1	51.5	3.1	2.2	43.3	47.6
Uzbekistan	620	40.3	36.5	54.2	36.5	54.2	6.8	2.4	39.7	40.8
International Avg. (40)	38084	44.8	41.7	51.1	41.7	51.1	6.2	1.0	44.5	45.1
Abu Dhabi, UAE	1743	37.1	34.4	58.2	34.4	58.2	5.4	2.0	34.9	39.2
Dubai, UAE	1176	61.6	56.5	35.3	56.5	35.3	6.1	2.1	58.1	64.7
Sharjah, UAE	921	49.2	45.9	47.4	45.9	47.4	4.3	2.3	52.6	45.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MM2_08B ME72108B: Small triangles in figure - rule - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	31.9	12.5	13.3	55.2	25.8	55.2	18.5	0.6	32.3	31.8
Austria	656	31.5	6.5	15.6	47.8	22.0	47.8	29.7	0.4	31.9	31.2
Azerbaijan	876	44.0	12.9	7.7	26.3	20.6	26.3	50.6	2.5	53.1	37.0
Bahrain	741	28.2	9.9	9.7	50.0	19.7	50.0	28.8	1.5	33.7	21.9
Brazil	3294	16.4	1.6	8.2	50.3	9.8	50.3	36.8	3.1	15.8	16.9
Chile	640	15.6	1.0	8.3	49.9	9.2	49.9	38.1	2.8	15.6	15.6
Chinese Taipei	798	61.6	52.3	2.3	34.0	54.6	34.0	11.4	0.0	68.1	55.5
Cyprus	605	44.4	21.4	6.8	35.4	28.2	35.4	35.4	1.0	53.4	35.2
Czech Republic	1155	35.8	8.8	15.5	43.7	24.3	43.7	31.4	0.5	35.4	36.1
England	598	42.7	17.4	14.8	43.2	32.3	43.2	24.2	0.3	41.8	43.7
Finland	835	21.3	5.0	11.0	58.9	16.0	58.9	23.9	1.2	23.4	19.8
France	642	30.6	13.1	2.1	34.5	15.2	34.5	49.5	0.9	33.2	28.0
Georgia	693	29.8	8.2	5.5	32.2	13.7	32.2	52.7	1.4	32.1	28.0
Hong Kong SAR	639	45.5	34.6	3.9	46.1	38.5	46.1	15.0	0.3	41.9	49.2
Hungary	772	22.1	10.0	4.3	50.3	14.3	50.3	35.4	0.0	24.2	20.2
Ireland	715	23.1	4.4	12.9	57.6	17.3	57.6	24.5	0.6	18.6	26.7
Israel	738	45.0	16.3	13.0	35.8	29.3	35.8	32.5	2.3	40.2	49.7
Italy	657	37.1	18.6	4.2	38.8	22.8	38.8	37.5	0.9	39.2	34.9
Japan	548	59.5	47.1	1.0	32.7	48.0	32.7	18.7	0.5	55.5	63.6
Jordan	973	21.7	5.6	7.7	47.8	13.3	47.8	37.1	1.8	23.3	20.1
Kazakhstan	909	33.0	10.2	8.4	37.9	18.6	37.9	41.0	2.5	32.4	33.4
Korea, Rep. of	607	53.5	43.5	1.2	39.0	44.8	39.0	16.1	0.2	54.5	52.6
Lithuania	778	37.7	10.7	10.6	35.1	21.3	35.1	43.5	0.1	43.9	32.0
Malaysia	1255	5.8	2.4	2.8	84.0	5.2	84.0	9.6	1.2	4.4	7.2
Malta	580	33.2	12.3	12.7	50.3	25.0	50.3	24.6	0.2	35.6	31.0
Morocco	1248	15.3	5.0	1.7	37.3	6.7	37.3	52.2	3.7	16.1	14.5
New Zealand	539	26.5	14.6	6.1	57.3	20.6	57.3	20.9	1.1	29.1	24.7
Norway (9)	899	26.3	15.7	1.7	48.9	17.4	48.9	31.2	2.4	25.9	26.7
Oman	1181	20.4	4.5	9.5	54.5	14.0	54.5	28.1	3.4	22.3	18.8
Palestinian Nat'l Auth.	940	21.9	3.8	10.7	52.0	14.6	52.0	31.6	1.8	24.8	19.2
Portugal	783	29.2	10.2	11.3	52.3	21.5	52.3	25.5	0.6	32.1	26.4
Qatar	616	32.5	10.6	14.4	51.7	25.0	51.7	21.1	2.2	30.5	34.9
Romania	543	44.8	17.3	10.7	34.5	28.0	34.5	36.2	1.3	49.0	40.7
Saudi Arabia	838	15.0	4.4	6.8	63.5	11.2	63.5	23.5	1.7	17.1	12.9
Singapore	675	54.5	42.4	10.2	43.9	52.6	43.9	3.6	0.0	57.7	51.6
Sweden	716	25.9	17.9	0.5	52.6	18.4	52.6	27.5	1.6	27.6	24.5
Turkiye	704	36.5	18.9	8.2	47.1	27.0	47.1	25.9	0.0	34.2	39.2
United Arab Emirates	4711	35.3	20.3	7.8	51.7	28.2	51.7	16.9	3.2	34.3	36.2
United States	1162	30.4	10.0	17.0	61.7	27.0	61.7	8.4	2.8	28.5	32.2
Uzbekistan	620	20.2	6.4	4.0	40.9	10.4	40.9	44.5	4.3	22.5	18.2
International Avg. (40)	38084	32.1	14.7	8.1	46.7	22.8	46.7	29.1	1.4	33.4	31.0
Abu Dhabi, UAE	1743	24.4	11.7	7.7	60.4	19.4	60.4	17.0	3.2	22.5	26.1
Dubai, UAE	1176	52.0	34.0	8.4	39.1	42.4	39.1	15.8	2.7	51.9	52.0
Sharjah, UAE	921	37.3	21.7	8.6	50.7	30.2	50.7	15.8	3.2	38.1	36.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying
B_MM2_09 ME72181: Translation of triangle on grid - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	37.9	36.3	59.5	36.3	59.5	3.5	0.7	34.8	40.3
Austria	657	35.5	34.6	62.7	34.6	62.7	2.2	0.4	31.9	39.4
Azerbaijan	876	12.5	10.2	71.5	10.2	71.5	14.8	3.4	9.8	14.9
Bahrain	741	16.0	15.1	79.5	15.1	79.5	3.5	1.8	14.4	17.7
Brazil	3294	2.3	2.0	84.1	2.0	84.1	10.5	3.5	0.8	3.8
Chile	640	22.4	19.9	68.9	19.9	68.9	8.2	3.0	19.9	24.6
Chinese Taipei	798	51.2	51.0	48.7	51.0	48.7	0.3	0.0	49.7	52.5
Cyprus	605	21.9	21.0	74.9	21.0	74.9	3.1	1.0	21.6	22.2
Czech Republic	1155	33.0	31.5	63.9	31.5	63.9	4.0	0.6	28.6	37.1
England	598	49.8	48.3	48.6	48.3	48.6	2.6	0.4	46.9	52.8
Finland	835	49.3	47.1	48.4	47.1	48.4	3.3	1.2	45.5	52.8
France	642	18.5	17.1	75.2	17.1	75.2	6.5	1.1	15.5	21.8
Georgia	693	14.3	12.8	76.5	12.8	76.5	8.4	2.2	11.8	17.0
Hong Kong SAR	639	40.0	38.3	57.6	38.3	57.6	3.7	0.4	32.8	47.1
Hungary	772	34.6	33.9	64.0	33.9	64.0	2.0	0.1	29.8	40.1
Ireland	715	15.4	15.0	82.4	15.0	82.4	1.9	0.6	13.0	17.5
Israel	738	29.0	26.4	64.8	26.4	64.8	5.8	3.0	27.2	30.9
Italy	657	18.2	17.0	76.3	17.0	76.3	5.4	1.2	15.5	21.0
Japan	548	57.8	56.8	41.5	56.8	41.5	1.2	0.5	56.6	59.0
Jordan	977	3.2	3.0	92.6	3.0	92.6	2.4	1.9	2.9	3.4
Kazakhstan	909	14.7	13.2	76.6	13.2	76.6	5.6	4.7	13.0	16.0
Korea, Rep. of	607	63.1	61.9	36.2	61.9	36.2	1.5	0.4	57.4	68.1
Lithuania	778	19.6	19.2	78.4	19.2	78.4	2.3	0.1	15.7	23.6
Malaysia	1255	2.3	2.3	94.2	2.3	94.2	1.8	1.8	1.4	3.3
Malta	580	19.4	18.6	77.5	18.6	77.5	3.7	0.2	16.7	21.8
Morocco	1248	2.7	2.4	88.4	2.4	88.4	4.6	4.6	1.8	3.5
New Zealand	539	34.8	32.2	60.5	32.2	60.5	6.2	1.1	26.5	41.5
Norway (9)	899	35.0	31.2	57.9	31.2	57.9	8.3	2.6	32.7	37.1
Oman	1181	4.5	4.1	86.8	4.1	86.8	5.0	4.0	2.9	6.1
Palestinian Nat'l Auth.	940	3.4	3.2	91.1	3.2	91.1	3.7	2.0	2.8	4.0
Portugal	783	20.3	19.3	75.9	19.3	75.9	3.7	1.1	18.8	21.8
Qatar	616	31.7	30.5	65.5	30.5	65.5	1.3	2.7	33.1	30.3
Romania	543	10.2	9.2	80.8	9.2	80.8	8.3	1.7	7.1	12.9
Saudi Arabia	839	8.3	7.8	86.7	7.8	86.7	3.6	1.9	7.7	8.8
Singapore	675	27.9	27.7	71.7	27.7	71.7	0.6	0.0	22.7	32.6
Sweden	716	39.5	35.8	54.8	35.8	54.8	7.4	1.9	38.0	40.8
Turkiye	705	24.2	23.4	73.5	23.4	73.5	3.1	0.0	18.9	30.1
United Arab Emirates	4711	27.0	25.2	68.1	25.2	68.1	3.0	3.8	26.1	27.9
United States	1162	45.8	43.6	51.6	43.6	51.6	1.3	3.5	43.1	48.3
Uzbekistan	620	5.9	5.2	83.8	5.2	83.8	6.2	4.8	5.1	6.5
International Avg. (40)	38091	25.1	23.8	70.0	23.8	70.0	4.4	1.8	22.5	27.5
Abu Dhabi, UAE	1743	21.3	19.9	73.5	19.9	73.5	2.8	3.8	19.0	23.5
Dubai, UAE	1176	40.3	37.5	55.5	37.5	55.5	3.8	3.2	41.3	39.3
Sharjah, UAE	921	23.0	21.7	72.6	21.7	72.6	1.6	4.1	21.5	24.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_MM2_10 ME72126: Area of shaded part of square ABCD - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	27.0	20.5	8.1	62.4	20.5	8.1	62.4	8.2	0.8	23.9	29.7
Austria	654	23.7	16.9	7.4	62.6	16.9	7.4	62.6	12.6	0.4	22.5	24.8
Azerbaijan	876	24.7	14.6	9.9	54.8	14.6	9.9	54.8	17.0	3.8	25.2	24.2
Bahrain	741	11.2	6.7	6.8	77.3	6.7	6.8	77.3	6.7	2.4	12.0	10.3
Brazil	3291	6.3	1.1	8.4	74.1	1.1	8.4	74.1	12.3	4.1	4.8	7.7
Chile	639	9.7	3.9	6.4	62.7	3.9	6.4	62.7	23.4	3.7	9.4	9.9
Chinese Taipei	798	61.5	53.0	15.2	30.4	53.0	15.2	30.4	1.4	0.0	68.8	54.7
Cyprus	605	26.8	18.7	9.0	59.0	18.7	9.0	59.0	12.3	1.0	28.5	25.0
Czech Republic	1154	20.0	11.9	9.4	61.7	11.9	9.4	61.7	16.2	0.8	18.9	20.9
England	598	27.7	19.8	7.7	57.7	19.8	7.7	57.7	14.4	0.4	26.8	28.6
Finland	835	27.9	22.3	6.4	62.5	22.3	6.4	62.5	7.3	1.5	28.5	27.4
France	638	14.9	10.1	4.4	68.0	10.1	4.4	68.0	16.4	1.1	14.6	15.3
Georgia	692	16.3	8.3	9.5	61.9	8.3	9.5	61.9	17.4	3.0	16.6	16.1
Hong Kong SAR	636	64.9	57.9	9.2	29.2	57.9	9.2	29.2	2.9	0.8	64.9	64.9
Hungary	772	20.8	14.3	8.7	67.1	14.3	8.7	67.1	9.7	0.1	18.5	23.2
Ireland	715	24.5	17.8	8.0	63.2	17.8	8.0	63.2	10.3	0.6	20.0	28.1
Israel	738	30.1	20.6	9.6	54.3	20.6	9.6	54.3	12.0	3.5	28.0	32.2
Italy	657	32.4	19.9	15.0	49.5	19.9	15.0	49.5	14.4	1.2	31.5	33.4
Japan	548	70.2	63.3	8.4	24.4	63.3	8.4	24.4	3.3	0.5	68.8	71.6
Jordan	977	8.6	4.1	7.8	80.9	4.1	7.8	80.9	4.8	2.4	10.0	7.3
Kazakhstan	908	18.2	10.0	11.3	64.5	10.0	11.3	64.5	9.5	4.7	20.8	16.1
Korea, Rep. of	607	63.8	57.7	9.7	30.6	57.7	9.7	30.6	1.3	0.6	60.2	67.0
Lithuania	778	25.5	19.3	5.7	62.1	19.3	5.7	62.1	12.8	0.1	26.4	24.6
Malaysia	1255	10.0	5.9	7.1	81.7	5.9	7.1	81.7	3.2	2.2	8.7	11.2
Malta	580	22.1	14.6	10.2	64.5	14.6	10.2	64.5	10.5	0.2	21.8	22.3
Morocco	1246	10.3	3.0	11.5	70.0	3.0	11.5	70.0	10.4	5.1	10.1	10.5
New Zealand	539	19.1	13.5	8.1	70.2	13.5	8.1	70.2	7.1	1.1	17.1	20.7
Norway (9)	899	29.1	19.4	6.8	52.3	19.4	6.8	52.3	18.4	3.0	31.4	27.4
Oman	1181	6.7	2.8	6.2	79.4	2.8	6.2	79.4	7.2	4.4	6.9	6.5
Palestinian Nat'l Auth.	937	9.0	4.2	8.2	79.8	4.2	8.2	79.8	5.7	2.2	8.8	9.1
Portugal	782	21.2	13.4	10.0	63.5	13.4	10.0	63.5	11.8	1.4	20.4	22.0
Qatar	615	14.2	9.3	7.0	74.1	9.3	7.0	74.1	6.5	3.1	15.2	13.1
Romania	542	26.8	18.0	12.1	59.7	18.0	12.1	59.7	8.4	1.8	29.3	24.8
Saudi Arabia	839	6.1	2.9	5.6	85.0	2.9	5.6	85.0	4.1	2.4	7.7	4.8
Singapore	675	65.7	58.5	13.4	27.4	58.5	13.4	27.4	0.8	0.0	65.6	65.8
Sweden	714	33.0	21.4	13.2	50.2	21.4	13.2	50.2	12.6	2.7	35.3	31.1
Turkiye	705	30.9	23.5	8.3	57.8	23.5	8.3	57.8	10.2	0.3	29.7	32.1
United Arab Emirates	4710	25.8	19.0	8.5	62.4	19.0	8.5	62.4	5.7	4.4	23.5	28.0
United States	1162	18.9	14.4	6.7	72.7	14.4	6.7	72.7	2.5	3.7	15.6	21.9
Uzbekistan	620	15.0	8.1	9.9	68.8	8.1	9.9	68.8	7.9	5.4	15.5	14.5
International Avg. (40)	38063	25.5	18.6	8.9	61.0	18.6	8.9	61.0	9.5	2.0	25.3	25.7
Abu Dhabi, UAE	1743	15.8	9.9	8.7	71.5	9.9	8.7	71.5	5.7	4.3	15.1	16.5
Dubai, UAE	1176	43.1	33.2	9.4	45.5	33.2	9.4	45.5	7.7	4.2	38.7	47.1
Sharjah, UAE	921	27.3	21.1	7.5	62.3	21.1	7.5	62.3	4.9	4.2	26.1	28.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying
B_MM2_11 ME72164: Important for counting planes (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	37.6	37.0	13.4	48.1	37.0	61.5	0.4	1.0	37.6	37.2
Austria	657	33.0	32.6	13.8	52.4	32.6	66.2	0.6	0.5	35.4	30.6
Azerbaijan	876	11.9	10.5	15.6	62.0	10.5	77.6	6.0	5.9	12.5	11.4
Bahrain	741	6.5	6.2	15.3	73.9	6.2	89.2	0.7	3.9	6.5	6.5
Brazil	3294	4.3	4.0	17.2	72.0	4.0	89.2	1.0	5.7	3.8	4.9
Chile	640	11.7	11.1	16.6	66.6	11.1	83.2	0.5	5.3	13.9	9.9
Chinese Taipei	798	25.6	25.6	14.2	60.0	25.6	74.2	0.0	0.2	28.2	23.2
Cyprus	605	19.6	19.0	11.2	66.7	19.0	77.8	1.1	2.1	18.8	20.4
Czech Republic	1155	25.9	25.3	8.1	64.2	25.3	72.3	1.1	1.3	24.0	27.7
England	598	36.3	35.8	14.9	47.8	35.8	62.8	0.6	0.8	35.3	37.4
Finland	835	16.0	15.7	9.5	72.9	15.7	82.4	0.3	1.6	14.7	17.2
France	642	25.6	24.9	10.7	61.7	24.9	72.4	0.4	2.2	24.7	26.6
Georgia	693	3.2	3.0	13.3	77.9	3.0	91.2	1.9	3.9	3.0	3.3
Hong Kong SAR	639	20.8	20.5	13.8	64.5	20.5	78.3	0.4	0.8	15.4	26.0
Hungary	772	28.5	28.4	14.3	57.1	28.4	71.4	0.0	0.2	28.6	28.3
Ireland	715	36.7	36.4	11.8	51.1	36.4	62.9	0.0	0.7	38.2	35.3
Israel	738	15.7	14.8	12.8	66.7	14.8	79.5	0.7	4.9	12.8	18.7
Italy	657	21.2	20.7	10.6	66.3	20.7	76.9	0.4	2.0	18.6	23.9
Japan	548	44.1	43.7	14.3	41.0	43.7	55.3	0.0	1.1	42.4	45.8
Jordan	977	4.2	4.0	14.0	77.2	4.0	91.1	1.1	3.8	3.8	4.6
Kazakhstan	909	5.7	5.3	8.1	79.6	5.3	87.7	1.0	5.9	4.2	7.0
Korea, Rep. of	607	42.8	42.4	12.3	44.4	42.4	56.7	0.2	0.6	39.1	46.0
Lithuania	778	23.3	23.2	8.5	67.9	23.2	76.3	0.3	0.2	23.8	22.9
Malaysia	1255	5.0	4.7	8.9	81.6	4.7	90.5	0.5	4.3	5.5	4.5
Malta	580	21.3	21.1	10.8	67.1	21.1	78.0	0.7	0.2	21.2	21.5
Morocco	1248	2.7	2.5	20.9	67.0	2.5	87.8	2.5	7.2	3.1	2.4
New Zealand	539	29.0	28.5	15.3	54.6	28.5	69.9	0.3	1.3	27.3	30.3
Norway (9)	899	21.1	19.9	15.1	59.1	19.9	74.3	1.6	4.2	23.8	19.0
Oman	1181	5.4	5.0	18.1	69.1	5.0	87.2	0.9	6.9	5.8	5.0
Palestinian Nat'l Auth.	940	3.8	3.6	18.6	73.7	3.6	92.4	1.0	3.0	4.7	3.0
Portugal	783	17.4	17.0	10.1	70.6	17.0	80.7	0.3	1.9	19.2	15.5
Qatar	616	10.8	10.3	14.8	70.3	10.3	85.1	0.7	4.0	12.5	8.9
Romania	542	8.6	8.2	10.7	77.1	8.2	87.9	0.8	3.2	9.4	7.8
Saudi Arabia	839	3.9	3.7	17.6	73.9	3.7	91.5	0.5	4.4	3.8	4.0
Singapore	675	41.1	41.0	11.1	47.7	41.0	58.8	0.2	0.0	40.7	41.5
Sweden	716	39.7	38.0	14.3	43.5	38.0	57.8	0.8	3.4	40.4	39.0
Turkiye	705	18.2	18.0	7.6	73.4	18.0	81.0	0.7	0.3	20.4	15.7
United Arab Emirates	4711	16.7	15.6	11.1	66.3	15.6	77.4	1.2	5.8	16.2	17.3
United States	1162	27.6	26.4	8.2	60.9	26.4	69.1	0.1	4.5	25.4	29.6
Uzbekistan	620	3.7	3.4	18.1	70.0	3.4	88.1	1.6	6.8	4.6	2.9
International Avg. (40)	38090	19.4	18.9	13.1	64.2	18.9	77.3	0.8	2.9	19.2	19.6
Abu Dhabi, UAE	1743	11.7	10.8	10.7	70.9	10.8	81.6	1.5	6.1	10.6	12.7
Dubai, UAE	1176	30.2	28.3	10.8	54.7	28.3	65.5	1.4	4.8	29.7	30.7
Sharjah, UAE	921	13.0	12.1	10.7	70.3	12.1	81.0	1.0	5.9	12.3	13.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

B_MM2_11A ME72164A: Important for counting planes - times to start/finish - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	80.8	79.6	18.9	0.4	1.0	79.4	81.9
Austria	657	83.4	82.5	16.4	0.6	0.5	84.4	82.5
Azerbaijan	876	62.0	54.7	33.5	6.0	5.9	64.8	59.5
Bahrain	741	55.8	53.2	42.2	0.7	3.9	60.8	50.6
Brazil	3294	68.0	63.4	29.8	1.0	5.7	71.2	64.9
Chile	640	64.7	60.9	33.3	0.5	5.3	66.7	62.9
Chinese Taipei	798	88.7	88.5	11.3	0.0	0.2	89.0	88.5
Cyprus	605	71.0	68.7	28.1	1.1	2.1	70.9	71.0
Czech Republic	1155	81.7	79.8	17.9	1.1	1.3	84.2	79.3
England	598	81.3	80.1	18.5	0.6	0.8	80.0	82.5
Finland	835	76.1	74.6	23.4	0.3	1.6	79.0	73.4
France	642	75.5	73.5	23.9	0.4	2.2	75.0	76.0
Georgia	693	55.2	52.0	42.2	1.9	3.9	50.0	60.5
Hong Kong SAR	639	73.9	73.1	25.8	0.4	0.8	68.0	79.6
Hungary	772	79.2	79.0	20.7	0.0	0.2	79.8	78.6
Ireland	715	87.6	87.0	12.3	0.0	0.7	90.5	85.1
Israel	738	73.2	69.0	25.3	0.7	4.9	73.2	73.1
Italy	657	77.6	75.8	21.8	0.4	2.0	77.7	77.6
Japan	548	74.4	73.6	25.4	0.0	1.1	73.5	75.3
Jordan	977	56.9	54.2	41.0	1.1	3.8	56.6	57.2
Kazakhstan	909	54.3	50.5	42.5	1.0	5.9	56.8	52.3
Korea, Rep. of	607	82.9	82.2	16.9	0.2	0.6	80.3	85.2
Lithuania	778	78.9	78.6	21.0	0.3	0.2	78.2	79.6
Malaysia	1255	60.4	57.5	37.7	0.5	4.3	61.4	59.5
Malta	580	76.3	75.6	23.5	0.7	0.2	77.1	75.6
Morocco	1248	29.5	26.6	63.7	2.5	7.2	28.9	30.0
New Zealand	539	75.5	74.3	24.1	0.3	1.3	75.0	75.9
Norway (9)	899	74.7	70.4	23.8	1.6	4.2	79.2	71.3
Oman	1181	51.1	47.1	45.1	0.9	6.9	54.1	48.3
Palestinian Nat'l Auth.	940	47.7	45.7	50.2	1.0	3.0	46.1	49.1
Portugal	783	75.2	73.5	24.3	0.3	1.9	77.2	73.0
Qatar	616	66.6	63.5	31.9	0.7	4.0	68.9	64.0
Romania	542	68.9	66.2	29.9	0.8	3.2	68.4	69.3
Saudi Arabia	839	60.1	57.2	37.9	0.5	4.4	63.8	56.9
Singapore	675	87.1	87.0	12.9	0.2	0.0	85.3	88.7
Sweden	716	77.9	74.6	21.1	0.8	3.4	79.7	76.3
Turkiye	705	84.1	83.3	15.8	0.7	0.3	85.5	82.5
United Arab Emirates	4711	67.2	62.5	30.5	1.2	5.8	67.8	66.5
United States	1162	78.9	75.4	20.1	0.1	4.5	77.6	80.2
Uzbekistan	620	52.6	48.2	43.3	1.6	6.8	53.9	51.5
International Avg. (40)	38090	70.4	68.1	28.2	0.8	2.9	71.0	69.9
Abu Dhabi, UAE	1743	61.3	56.7	35.8	1.5	6.1	62.0	60.6
Dubai, UAE	1176	79.3	74.3	19.5	1.4	4.8	78.8	79.7
Sharjah, UAE	921	67.4	62.7	30.4	1.0	5.9	68.4	66.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

B_MM2_11B ME72164B: Important for counting planes - direction - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	80.1	19.6	78.9	0.4	1.0	81.3	78.9
Austria	657	75.7	24.0	74.8	0.6	0.5	78.9	72.4
Azerbaijan	876	66.2	29.8	58.4	6.0	5.9	68.0	64.5
Bahrain	741	66.8	31.6	63.8	0.7	3.9	64.7	69.0
Brazil	3294	59.5	37.8	55.5	1.0	5.7	57.7	61.3
Chile	640	67.8	30.3	63.9	0.5	5.3	70.0	65.9
Chinese Taipei	798	71.0	28.9	70.9	0.0	0.2	72.1	70.0
Cyprus	605	66.0	32.9	63.9	1.1	2.1	63.7	68.5
Czech Republic	1155	65.2	34.0	63.6	1.1	1.3	65.2	65.1
England	598	79.9	19.9	78.7	0.6	0.8	81.0	78.8
Finland	835	54.0	45.1	53.0	0.3	1.6	53.1	54.9
France	642	69.1	30.1	67.3	0.4	2.2	74.0	63.7
Georgia	693	58.8	38.8	55.3	1.9	3.9	53.9	63.7
Hong Kong SAR	639	66.8	32.8	66.0	0.4	0.8	62.4	71.0
Hungary	772	78.2	21.8	78.0	0.0	0.2	78.2	78.2
Ireland	715	79.3	20.6	78.7	0.0	0.7	81.2	77.6
Israel	738	68.7	29.5	64.8	0.7	4.9	67.5	70.0
Italy	657	75.0	24.4	73.2	0.4	2.0	77.0	73.0
Japan	548	84.5	15.4	83.5	0.0	1.1	85.7	83.2
Jordan	977	58.7	39.3	55.9	1.1	3.8	63.2	54.7
Kazakhstan	909	50.4	46.2	46.9	1.0	5.9	49.9	50.8
Korea, Rep. of	607	80.7	19.2	80.0	0.2	0.6	78.6	82.5
Lithuania	778	70.2	29.6	69.9	0.3	0.2	70.6	69.9
Malaysia	1255	52.6	45.2	50.1	0.5	4.3	52.8	52.3
Malta	580	67.4	32.3	66.8	0.7	0.2	68.2	66.8
Morocco	1248	71.7	25.5	64.8	2.5	7.2	75.9	67.8
New Zealand	539	77.7	22.0	76.4	0.3	1.3	75.8	79.1
Norway (9)	899	65.2	32.8	61.4	1.6	4.2	64.2	66.2
Oman	1181	67.3	30.2	62.0	0.9	6.9	69.2	65.6
Palestinian Nat'l Auth.	940	61.7	36.8	59.2	1.0	3.0	63.3	60.2
Portugal	783	73.4	26.0	71.7	0.3	1.9	74.6	72.1
Qatar	616	67.3	31.2	64.2	0.7	4.0	68.4	66.1
Romania	542	66.1	32.6	63.5	0.8	3.2	67.2	65.1
Saudi Arabia	839	61.4	36.7	58.4	0.5	4.4	60.3	62.4
Singapore	675	80.6	19.3	80.5	0.2	0.0	82.3	79.1
Sweden	716	77.6	21.4	74.3	0.8	3.4	80.3	75.1
Turkiye	705	49.8	49.7	49.3	0.7	0.3	55.4	43.7
United Arab Emirates	4711	68.8	29.0	64.0	1.2	5.8	70.5	67.2
United States	1162	73.3	25.5	70.0	0.1	4.5	72.6	73.9
Uzbekistan	620	66.7	30.5	61.1	1.6	6.8	67.9	65.6
International Avg. (40)	38090	68.5	30.2	66.1	0.8	2.9	69.2	67.9
Abu Dhabi, UAE	1743	64.5	32.8	59.6	1.5	6.1	67.4	61.8
Dubai, UAE	1176	77.2	21.4	72.4	1.4	4.8	77.0	77.3
Sharjah, UAE	921	67.5	30.3	62.8	1.0	5.9	70.8	64.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

B_MM2_11C ME72164C: Important for counting planes - type of plane - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	86.1	13.7	84.8	0.4	1.0	86.9	85.3
Austria	657	89.8	10.1	88.8	0.6	0.5	91.2	88.3
Azerbaijan	876	75.9	21.3	66.9	6.0	5.9	72.3	79.2
Bahrain	741	69.7	28.9	66.5	0.7	3.9	72.4	66.9
Brazil	3294	73.5	24.7	68.5	1.0	5.7	72.8	74.2
Chile	640	73.9	24.6	69.7	0.5	5.3	76.7	71.6
Chinese Taipei	798	90.8	9.2	90.6	0.0	0.2	92.9	88.8
Cyprus	605	81.5	17.9	78.9	1.1	2.1	81.4	81.6
Czech Republic	1155	90.4	9.4	88.3	1.1	1.3	90.1	90.7
England	598	88.2	11.6	87.0	0.6	0.8	88.4	88.1
Finland	835	87.0	12.8	85.3	0.3	1.6	91.1	83.2
France	642	81.4	18.1	79.3	0.4	2.2	83.5	79.2
Georgia	693	74.2	24.3	69.8	1.9	3.9	72.6	75.7
Hong Kong SAR	639	79.2	20.6	78.3	0.4	0.8	77.8	80.5
Hungary	772	89.6	10.4	89.4	0.0	0.2	88.6	90.7
Ireland	715	88.4	11.5	87.7	0.0	0.7	88.8	88.0
Israel	738	85.5	13.7	80.7	0.7	4.9	87.9	83.0
Italy	657	84.0	15.6	82.0	0.4	2.0	86.3	81.7
Japan	548	86.1	13.8	85.1	0.0	1.1	86.0	86.1
Jordan	977	66.4	32.0	63.2	1.1	3.8	66.6	66.2
Kazakhstan	909	73.1	25.0	68.1	1.0	5.9	70.6	75.2
Korea, Rep. of	607	90.8	9.1	90.0	0.2	0.6	90.5	91.1
Lithuania	778	85.5	14.5	85.1	0.3	0.2	86.9	84.1
Malaysia	1255	69.7	28.9	66.3	0.5	4.3	69.9	69.4
Malta	580	78.2	21.6	77.5	0.7	0.2	78.8	77.7
Morocco	1248	63.5	33.0	57.3	2.5	7.2	65.5	61.6
New Zealand	539	79.4	20.3	78.1	0.3	1.3	80.7	78.3
Norway (9)	899	82.7	16.3	77.9	1.6	4.2	88.7	77.7
Oman	1181	70.3	27.4	64.8	0.9	6.9	72.6	68.2
Palestinian Nat'l Auth.	940	70.1	28.7	67.3	1.0	3.0	71.5	69.0
Portugal	783	85.5	14.1	83.6	0.3	1.9	86.8	84.2
Qatar	616	75.1	23.7	71.6	0.7	4.0	79.6	70.0
Romania	542	72.4	26.5	69.5	0.8	3.2	69.8	74.7
Saudi Arabia	839	72.1	26.5	68.6	0.5	4.4	74.2	70.2
Singapore	675	89.9	10.1	89.8	0.2	0.0	90.1	89.8
Sweden	716	86.7	12.7	83.1	0.8	3.4	87.8	85.8
Turkiye	705	85.0	14.9	84.1	0.7	0.3	85.9	83.9
United Arab Emirates	4711	75.6	22.6	70.3	1.2	5.8	77.0	74.4
United States	1162	82.5	16.7	78.8	0.1	4.5	82.4	82.7
Uzbekistan	620	76.7	21.3	70.2	1.6	6.8	74.5	78.9
International Avg. (40)	38090	80.2	18.9	77.3	0.8	2.9	80.9	79.4
Abu Dhabi, UAE	1743	71.5	26.3	66.1	1.5	6.1	75.1	68.2
Dubai, UAE	1176	86.4	12.8	81.0	1.4	4.8	84.9	87.8
Sharjah, UAE	921	72.9	25.3	67.8	1.0	5.9	73.6	72.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MM2_11D ME72164D: Important for counting planes - days to count - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	68.0	67.0	31.5	0.4	1.0	69.5	66.6
Austria	657	64.8	64.0	34.8	0.6	0.5	66.9	62.6
Azerbaijan	876	40.9	36.1	52.1	6.0	5.9	41.0	40.9
Bahrain	741	39.2	37.4	58.0	0.7	3.9	43.2	35.2
Brazil	3294	34.1	31.8	61.4	1.0	5.7	34.7	33.6
Chile	640	51.3	48.3	45.9	0.5	5.3	53.4	49.4
Chinese Taipei	798	55.4	55.2	44.6	0.0	0.2	57.1	53.8
Cyprus	605	55.7	53.9	42.8	1.1	2.1	57.4	54.1
Czech Republic	1155	61.3	59.9	37.8	1.1	1.3	60.4	62.2
England	598	63.0	62.1	36.5	0.6	0.8	60.4	65.5
Finland	835	51.3	50.3	47.8	0.3	1.6	50.6	51.9
France	642	62.4	60.8	36.6	0.4	2.2	62.8	62.0
Georgia	693	23.9	22.5	71.7	1.9	3.9	19.3	28.6
Hong Kong SAR	639	60.5	59.8	39.1	0.4	0.8	56.0	64.9
Hungary	772	57.0	56.8	42.9	0.0	0.2	60.7	52.7
Ireland	715	75.7	75.1	24.1	0.0	0.7	77.7	74.0
Israel	738	55.6	52.5	41.9	0.7	4.9	56.3	54.9
Italy	657	56.4	55.0	42.6	0.4	2.0	58.6	54.1
Japan	548	73.5	72.7	26.2	0.0	1.1	73.3	73.6
Jordan	977	39.3	37.4	57.7	1.1	3.8	40.7	38.1
Kazakhstan	909	43.2	40.2	52.9	1.0	5.9	44.9	41.8
Korea, Rep. of	607	66.4	65.8	33.3	0.2	0.6	64.1	68.3
Lithuania	778	65.6	65.4	34.2	0.3	0.2	66.4	64.9
Malaysia	1255	45.0	42.9	52.3	0.5	4.3	46.0	44.1
Malta	580	54.4	53.9	45.2	0.7	0.2	56.2	52.8
Morocco	1248	31.3	28.2	62.1	2.5	7.2	30.8	31.7
New Zealand	539	65.1	64.0	34.4	0.3	1.3	67.6	63.0
Norway (9)	899	56.8	53.5	40.7	1.6	4.2	60.5	53.9
Oman	1181	33.9	31.3	60.9	0.9	6.9	32.9	34.8
Palestinian Nat'l Auth.	940	35.7	34.2	61.8	1.0	3.0	38.8	32.8
Portugal	783	54.3	53.1	44.6	0.3	1.9	55.7	52.9
Qatar	616	45.3	43.2	52.2	0.7	4.0	47.0	43.3
Romania	542	45.3	43.6	52.5	0.8	3.2	47.1	43.8
Saudi Arabia	839	35.5	33.8	61.4	0.5	4.4	36.6	34.5
Singapore	675	69.3	69.1	30.7	0.2	0.0	69.4	69.1
Sweden	716	65.5	62.7	33.0	0.8	3.4	71.1	60.3
Turkiye	705	58.5	57.9	41.1	0.7	0.3	56.1	61.2
United Arab Emirates	4711	52.0	48.4	44.6	1.2	5.8	52.3	51.7
United States	1162	67.7	64.6	30.8	0.1	4.5	65.4	69.8
Uzbekistan	620	28.3	25.9	65.6	1.6	6.8	28.6	28.1
International Avg. (40)	38090	52.7	51.0	45.3	0.8	2.9	53.4	52.0
Abu Dhabi, UAE	1743	47.4	43.8	48.6	1.5	6.1	47.3	47.5
Dubai, UAE	1176	61.5	57.7	36.1	1.4	4.8	62.7	60.4
Sharjah, UAE	921	49.2	45.8	47.3	1.0	5.9	46.2	52.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MM2_11E ME72164E: Important for counting planes - time to pass over - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	67.2	32.3	66.2	0.4	1.0	66.1	68.0
Austria	657	61.4	38.2	60.7	0.6	0.5	60.0	62.8
Azerbaijan	876	58.8	36.3	51.8	6.0	5.9	54.5	62.7
Bahrain	741	48.6	49.0	46.4	0.7	3.9	39.4	58.0
Brazil	3294	49.0	47.6	45.7	1.0	5.7	46.6	51.2
Chile	640	56.0	41.5	52.7	0.5	5.3	56.3	55.6
Chinese Taipei	798	53.4	46.5	53.3	0.0	0.2	52.8	54.1
Cyprus	605	52.3	46.2	50.6	1.1	2.1	46.9	57.7
Czech Republic	1155	53.9	45.1	52.6	1.1	1.3	49.1	58.2
England	598	66.1	33.4	65.2	0.6	0.8	63.7	68.5
Finland	835	54.3	44.8	53.3	0.3	1.6	46.6	61.4
France	642	53.7	45.1	52.2	0.4	2.2	48.2	59.7
Georgia	693	38.6	57.8	36.4	1.9	3.9	32.8	44.6
Hong Kong SAR	639	55.4	44.1	54.8	0.4	0.8	47.7	62.9
Hungary	772	55.7	44.2	55.6	0.0	0.2	53.6	58.1
Ireland	715	61.1	38.6	60.7	0.0	0.7	59.3	62.6
Israel	738	52.5	44.8	49.5	0.7	4.9	44.3	61.0
Italy	657	52.6	46.3	51.3	0.4	2.0	44.9	60.3
Japan	548	74.6	25.2	73.7	0.0	1.1	73.0	76.1
Jordan	977	44.3	53.0	42.1	1.1	3.8	39.7	48.5
Kazakhstan	909	40.9	55.0	38.1	1.0	5.9	35.5	45.4
Korea, Rep. of	607	72.6	27.2	71.9	0.2	0.6	67.4	77.1
Lithuania	778	51.6	48.2	51.4	0.3	0.2	49.9	53.3
Malaysia	1255	39.7	57.4	37.8	0.5	4.3	34.4	45.2
Malta	580	53.0	46.6	52.5	0.7	0.2	48.8	56.7
Morocco	1248	68.6	28.3	61.9	2.5	7.2	65.9	71.1
New Zealand	539	65.8	33.6	64.8	0.3	1.3	57.9	72.1
Norway (9)	899	68.2	29.9	64.3	1.6	4.2	63.9	71.8
Oman	1181	54.0	42.4	49.8	0.9	6.9	48.5	58.8
Palestinian Nat'l Auth.	940	55.3	42.9	53.0	1.0	3.0	50.6	59.4
Portugal	783	43.5	55.2	42.6	0.3	1.9	40.5	46.8
Qatar	616	46.2	51.3	44.1	0.7	4.0	46.8	45.6
Romania	542	37.5	60.1	36.0	0.8	3.2	34.5	40.1
Saudi Arabia	839	47.9	49.6	45.6	0.5	4.4	39.8	55.0
Singapore	675	64.7	35.2	64.6	0.2	0.0	60.9	68.2
Sweden	716	73.4	25.5	70.3	0.8	3.4	70.3	76.3
Turkiye	705	57.1	42.5	56.5	0.7	0.3	51.6	63.1
United Arab Emirates	4711	51.2	45.4	47.6	1.2	5.8	48.9	53.3
United States	1162	55.9	42.1	53.4	0.1	4.5	53.8	57.9
Uzbekistan	620	48.2	47.4	44.1	1.6	6.8	41.7	54.4
International Avg. (40)	38090	55.1	43.1	53.1	0.8	2.9	50.9	59.1
Abu Dhabi, UAE	1743	49.5	46.6	45.8	1.5	6.1	47.1	51.8
Dubai, UAE	1176	57.5	39.9	53.9	1.4	4.8	55.6	59.2
Sharjah, UAE	921	47.1	49.2	43.9	1.0	5.9	45.5	48.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Knowing

B_MM2_12A ME72185A: Probability of picking marble - not green - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	46.4	40.9	3.3	51.1	44.2	51.1	3.4	1.2	46.5	46.4
Austria	642	15.7	4.4	9.8	76.5	14.2	76.5	8.8	0.6	9.0	22.2
Azerbaijan	876	38.6	29.3	1.5	49.1	30.8	49.1	13.3	6.7	34.9	41.7
Bahrain	741	19.2	14.9	2.8	74.2	17.6	74.2	4.2	4.0	17.7	20.7
Brazil	3292	7.1	2.1	3.9	78.4	6.0	78.4	9.3	6.3	3.9	10.3
Chile	639	14.6	3.9	8.2	71.0	12.1	71.0	11.6	5.3	13.2	15.7
Chinese Taipei	790	56.1	39.9	15.8	43.6	55.7	43.6	0.5	0.2	60.4	52.1
Cyprus	605	33.9	24.3	6.3	59.7	30.6	59.7	7.5	2.3	33.5	34.3
Czech Republic	1147	15.5	6.7	6.5	72.0	13.2	72.0	13.4	1.4	13.1	17.4
England	598	46.0	38.4	5.0	50.9	43.3	50.9	5.0	0.8	39.9	51.9
Finland	830	27.8	12.6	12.7	65.9	25.3	65.9	7.1	1.6	23.9	31.0
France	641	23.5	16.1	4.4	66.8	20.5	66.8	10.5	2.2	21.5	25.5
Georgia	691	13.4	9.6	1.1	69.3	10.7	69.3	15.4	4.6	11.3	15.4
Hong Kong SAR	581	50.0	36.0	11.8	47.7	47.8	47.7	3.4	1.1	46.5	53.5
Hungary	768	18.0	11.2	5.2	74.8	16.4	74.8	8.6	0.2	14.6	21.6
Ireland	715	45.5	40.9	3.2	52.9	44.1	52.9	2.2	0.7	43.8	46.9
Israel	738	22.4	14.8	3.6	63.7	18.4	63.7	12.8	5.1	18.1	26.5
Italy	657	29.2	18.2	7.6	62.5	25.7	62.5	9.7	2.1	28.7	29.7
Japan	548	67.2	62.6	2.0	31.5	64.6	31.5	2.8	1.1	66.6	67.8
Jordan	976	6.6	4.3	1.9	87.3	6.2	87.3	2.0	4.5	6.9	6.3
Kazakhstan	907	12.7	8.7	2.2	74.5	10.9	74.5	8.4	6.2	13.0	12.5
Korea, Rep. of	607	58.4	44.6	12.4	40.7	57.0	40.7	1.7	0.6	53.3	62.7
Lithuania	777	23.7	12.8	8.5	68.4	21.3	68.4	10.2	0.2	18.0	29.0
Malaysia	1255	5.4	2.9	2.2	88.2	5.1	88.2	2.1	4.6	3.4	7.5
Malta	580	41.0	36.3	3.0	56.4	39.3	56.4	3.8	0.5	41.1	41.0
Morocco	1248	3.0	1.4	1.0	77.2	2.4	77.2	12.2	8.2	2.5	3.5
New Zealand	539	34.5	24.3	7.6	60.6	32.0	60.6	6.1	1.3	33.5	35.3
Norway (9)	899	43.8	31.4	6.3	48.5	37.8	48.5	9.4	4.4	45.4	42.6
Oman	1181	16.4	13.3	1.3	74.4	14.6	74.4	3.8	7.1	20.5	12.8
Palestinian Nat'l Auth.	936	9.2	7.4	1.2	84.3	8.5	84.3	3.7	3.4	11.6	7.1
Portugal	783	17.4	1.5	13.6	71.5	15.0	71.5	11.3	2.1	12.4	22.2
Qatar	616	21.5	16.4	3.3	72.0	19.7	72.0	4.1	4.2	19.7	23.5
Romania	541	24.2	19.5	2.0	67.4	21.5	67.4	7.8	3.4	27.5	21.4
Saudi Arabia	839	13.2	11.0	1.4	81.4	12.4	81.4	1.4	4.8	16.0	10.8
Singapore	675	71.3	65.8	5.2	28.6	70.9	28.6	0.5	0.0	69.3	73.0
Sweden	714	37.9	26.1	7.2	54.5	33.3	54.5	8.5	3.8	39.0	37.0
Turkiye	705	42.3	39.1	0.8	54.5	40.0	54.5	5.2	0.3	47.3	36.7
United Arab Emirates	4707	32.0	26.5	2.3	61.2	28.8	61.2	3.6	6.4	29.2	34.7
United States	1162	30.4	19.9	8.7	65.6	28.6	65.6	1.3	4.5	25.0	35.2
Uzbekistan	620	5.2	2.9	1.5	79.9	4.4	79.9	7.9	7.9	3.4	6.8
International Avg. (40)	37971	28.5	21.1	5.2	64.0	26.3	64.0	6.6	3.2	27.1	29.8
Abu Dhabi, UAE	1741	21.4	16.7	2.6	70.5	19.3	70.5	3.3	6.9	19.5	23.3
Dubai, UAE	1174	50.7	43.2	2.8	44.6	46.0	44.6	4.0	5.4	47.7	53.6
Sharjah, UAE	921	33.1	27.7	2.0	60.1	29.7	60.1	3.7	6.5	29.0	37.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Knowing

B_MM2_12B ME72185B: Probability of picking marble - yellow or blue - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1205	49.6	44.2	2.7	47.5	46.8	47.5	2.5	3.1	48.7	50.7
Austria	645	17.7	5.7	9.8	71.8	15.5	71.8	7.6	5.1	12.6	22.8
Azerbaijan	875	41.3	29.9	1.7	44.9	31.6	44.9	11.8	11.7	38.2	43.9
Bahrain	741	18.9	15.2	1.7	72.7	16.9	72.7	4.4	6.0	20.0	17.7
Brazil	3291	7.5	2.2	4.0	76.2	6.2	76.2	6.9	10.6	4.2	10.7
Chile	638	14.9	3.7	8.2	67.5	11.8	67.5	8.9	11.7	13.8	15.8
Chinese Taipei	793	60.9	44.6	15.4	38.5	60.0	38.5	1.3	0.2	67.1	55.2
Cyprus	605	38.0	26.3	7.4	55.1	33.7	55.1	6.3	4.9	36.2	39.8
Czech Republic	1147	19.3	7.8	8.1	66.1	15.8	66.1	9.9	8.2	14.5	23.3
England	598	46.6	38.5	4.5	49.3	43.0	49.3	4.5	3.3	42.7	50.3
Finland	829	29.3	11.6	14.6	63.3	26.2	63.3	5.0	5.5	27.3	30.9
France	641	26.7	17.5	5.1	61.9	22.6	61.9	7.1	8.5	21.2	32.3
Georgia	691	18.5	12.5	1.5	61.7	14.0	61.7	12.1	12.2	17.9	19.2
Hong Kong SAR	585	55.0	39.2	12.6	42.4	51.8	42.4	3.1	2.7	51.9	57.9
Hungary	769	20.8	13.0	5.8	71.5	18.7	71.5	4.8	4.9	18.3	23.5
Ireland	715	56.5	50.6	3.3	41.5	53.8	41.5	2.9	1.8	53.8	58.9
Israel	738	22.8	14.5	3.3	60.4	17.9	60.4	10.1	11.6	18.1	27.3
Italy	657	29.8	16.5	8.8	59.6	25.3	59.6	8.1	7.1	29.2	30.3
Japan	548	72.6	67.3	1.7	26.1	69.1	26.1	2.5	2.4	71.8	73.4
Jordan	975	7.4	4.5	2.2	84.0	6.7	84.0	3.8	5.6	8.0	6.8
Kazakhstan	909	14.1	8.6	3.2	71.6	11.8	71.6	6.6	10.0	13.1	15.0
Korea, Rep. of	607	62.0	47.7	12.2	36.6	59.9	36.6	2.3	1.2	58.2	65.4
Lithuania	777	21.5	11.8	6.9	68.1	18.6	68.1	7.9	5.4	17.3	25.4
Malaysia	1255	4.8	2.3	2.1	88.0	4.4	88.0	1.6	5.9	3.5	6.1
Malta	580	45.8	40.1	2.6	50.5	42.7	50.5	3.9	3.0	47.2	44.6
Morocco	1248	2.3	1.0	0.7	73.9	1.7	73.9	8.1	16.3	2.4	2.2
New Zealand	539	34.1	22.7	8.0	59.5	30.7	59.5	5.9	3.8	33.4	34.5
Norway (9)	899	45.5	31.3	6.6	45.4	37.9	45.4	8.0	8.8	47.1	44.2
Oman	1181	17.9	14.1	1.2	70.2	15.3	70.2	4.1	10.3	21.9	14.4
Palestinian Nat'l Auth.	938	10.6	7.9	1.5	79.9	9.4	79.9	4.8	5.8	11.4	9.8
Portugal	783	14.7	1.6	10.9	72.3	12.5	72.3	7.8	7.4	10.9	18.6
Qatar	616	22.2	16.8	3.3	70.4	20.0	70.4	4.0	5.6	21.2	23.2
Romania	543	29.5	22.3	3.6	61.8	25.9	61.8	4.4	7.9	34.2	25.8
Saudi Arabia	836	15.2	12.5	1.3	77.4	13.9	77.4	2.6	6.1	17.2	13.4
Singapore	675	71.5	66.4	4.7	28.3	71.1	28.3	0.6	0.0	70.2	72.7
Sweden	715	44.4	30.8	7.6	48.2	38.4	48.2	6.3	7.1	45.7	43.2
Turkiye	704	44.8	40.4	0.9	50.8	41.3	50.8	5.5	2.5	48.7	40.4
United Arab Emirates	4705	33.4	26.9	2.5	58.5	29.3	58.5	3.2	8.9	30.3	36.3
United States	1162	31.0	21.1	7.9	64.7	29.0	64.7	1.1	5.1	25.7	35.7
Uzbekistan	620	9.9	5.3	2.8	72.9	8.0	72.9	7.4	11.6	7.8	11.9
International Avg. (40)	37978	30.7	22.4	5.3	60.3	27.7	60.3	5.5	6.5	29.6	31.8
Abu Dhabi, UAE	1739	23.0	17.7	2.4	67.5	20.2	67.5	2.8	9.5	22.0	23.9
Dubai, UAE	1175	53.1	44.4	2.7	41.6	47.1	41.6	3.0	8.3	48.5	57.5
Sharjah, UAE	921	33.3	26.7	2.5	58.6	29.3	58.6	3.5	8.7	28.2	38.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

B_MM3_01 ME72005: Number with most factors - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	50.7	36.8	6.9	50.4	5.3	0.4	0.1	50.3	51.1
Austria	664	64.4	29.1	3.1	64.2	3.3	0.3	0.0	65.7	63.2
Azerbaijan	898	68.8	25.5	2.8	68.3	2.7	0.5	0.2	68.9	68.7
Bahrain	730	39.3	42.0	7.6	39.1	10.6	0.7	0.0	42.6	36.1
Brazil	3221	34.5	44.3	10.8	33.9	9.4	0.8	0.8	27.4	41.5
Chile	634	28.7	53.6	10.3	28.1	6.0	1.9	0.1	25.8	31.8
Chinese Taipei	801	75.3	17.3	3.8	75.3	3.7	0.0	0.0	78.0	72.9
Cyprus	599	69.0	22.4	3.7	68.8	4.8	0.0	0.3	67.4	70.5
Czech Republic	1154	79.6	15.1	1.9	79.5	3.4	0.2	0.0	79.3	80.0
England	594	58.7	29.4	5.7	58.6	6.1	0.2	0.0	53.0	65.4
Finland	833	14.0	75.7	5.6	13.9	3.8	0.8	0.2	15.8	12.2
France	637	47.8	31.7	6.6	47.3	13.5	0.9	0.0	42.4	52.3
Georgia	693	63.8	29.5	2.7	63.8	4.0	0.0	0.0	64.1	63.6
Hong Kong SAR	631	59.3	23.5	8.7	59.1	8.4	0.0	0.3	57.7	60.7
Hungary	773	69.3	22.4	3.4	69.3	4.9	0.0	0.0	65.8	72.9
Ireland	733	52.6	40.0	4.6	52.6	2.8	0.0	0.0	48.7	56.0
Israel	746	36.2	48.4	6.1	35.6	8.0	1.9	0.0	31.9	40.4
Italy	655	30.5	57.5	6.7	30.2	4.8	0.8	0.0	26.0	34.7
Japan	575	71.8	20.9	4.3	71.6	2.9	0.3	0.0	73.4	70.2
Jordan	1008	32.7	54.2	5.0	32.5	7.6	0.4	0.3	33.4	32.1
Kazakhstan	900	43.8	41.0	6.9	43.2	7.5	1.4	0.1	41.4	45.8
Korea, Rep. of	604	83.0	13.8	2.0	83.0	1.2	0.0	0.0	84.8	81.5
Lithuania	775	58.9	30.6	4.3	58.5	6.0	0.3	0.2	58.0	59.7
Malaysia	1254	31.1	38.4	15.4	31.1	15.0	0.0	0.0	30.8	31.6
Malta	564	50.6	36.1	5.6	50.4	7.4	0.4	0.0	47.7	53.5
Morocco	1239	23.3	53.7	10.4	23.0	11.5	1.0	0.4	22.9	23.7
New Zealand	567	45.1	40.6	9.5	44.9	4.7	0.3	0.0	38.3	50.1
Norway (9)	902	26.1	55.6	14.5	25.7	2.6	1.3	0.4	26.7	25.5
Oman	1180	35.6	40.7	7.7	35.4	15.5	0.2	0.6	34.0	37.2
Palestinian Nat'l Auth.	926	43.9	45.9	5.4	43.6	4.4	0.2	0.5	48.0	39.9
Portugal	768	56.6	28.9	4.6	56.5	9.8	0.3	0.0	51.0	61.9
Qatar	612	38.1	48.4	4.9	38.0	8.4	0.2	0.0	38.4	37.9
Romania	513	47.3	41.9	5.8	46.5	4.1	0.6	1.1	50.0	44.6
Saudi Arabia	835	27.1	53.0	6.8	26.8	12.3	1.0	0.1	28.4	25.9
Singapore	689	61.5	30.3	4.5	61.5	3.8	0.0	0.0	56.8	65.5
Sweden	723	24.1	36.4	35.4	23.8	3.1	1.3	0.0	27.8	21.0
Turkiye	711	65.7	21.9	5.8	65.1	6.4	0.8	0.0	68.2	63.2
United Arab Emirates	4672	52.4	35.1	5.6	52.1	6.6	0.5	0.1	50.0	54.8
United States	1143	44.7	39.1	7.2	44.5	8.7	0.3	0.3	44.4	45.1
Uzbekistan	619	54.1	33.7	5.6	54.1	6.5	0.0	0.1	50.3	57.8
International Avg. (40)	37971	49.0	37.1	7.0	48.7	6.5	0.5	0.2	47.9	50.1
Abu Dhabi, UAE	1724	44.7	37.9	7.8	44.3	9.3	0.6	0.2	40.8	48.5
Dubai, UAE	1152	65.6	26.1	3.6	65.2	4.6	0.5	0.1	64.0	66.9
Sharjah, UAE	921	54.8	34.6	4.2	54.6	6.2	0.4	0.0	51.8	57.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MM3_02 ME72021: Value of X in 10/15 = X/18 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	36.7	35.1	20.3	40.2	35.1	60.5	4.4	0.1	29.0	43.0
Austria	664	33.2	30.8	14.9	47.0	30.8	61.9	7.3	0.0	30.2	36.1
Azerbaijan	898	58.9	52.3	6.6	29.9	52.3	36.6	10.9	0.2	64.8	54.0
Bahrain	730	31.5	30.3	8.6	57.4	30.3	66.0	3.6	0.1	33.2	29.8
Brazil	3221	13.6	12.2	7.6	69.6	12.2	77.2	9.5	1.1	11.0	16.3
Chile	634	18.4	15.2	12.9	54.5	15.2	67.4	17.3	0.1	20.2	16.7
Chinese Taipei	800	69.1	68.7	5.5	25.3	68.7	30.8	0.5	0.0	69.3	68.9
Cyprus	599	43.3	39.2	17.0	34.3	39.2	51.4	9.1	0.3	46.9	39.8
Czech Republic	1154	35.0	31.3	11.2	47.0	31.3	58.2	10.5	0.0	32.9	37.0
England	594	41.0	37.4	16.5	37.3	37.4	53.8	8.9	0.0	33.1	49.9
Finland	833	43.7	41.7	13.9	39.9	41.7	53.8	4.3	0.2	40.2	47.2
France	637	33.1	29.7	16.7	43.4	29.7	60.1	10.2	0.0	35.4	31.1
Georgia	693	40.9	35.6	8.5	43.0	35.6	51.5	12.9	0.0	42.1	39.9
Hong Kong SAR	631	66.0	64.5	6.7	26.4	64.5	33.2	2.0	0.3	68.6	63.8
Hungary	773	30.2	28.6	13.0	53.1	28.6	66.1	5.3	0.0	28.5	31.8
Ireland	733	46.7	43.8	15.1	34.9	43.8	50.0	6.2	0.0	40.4	52.3
Israel	746	38.7	35.9	12.2	44.6	35.9	56.8	7.3	0.0	34.9	42.2
Italy	655	40.5	36.8	12.2	41.9	36.8	54.1	9.1	0.0	40.0	41.0
Japan	575	71.3	69.2	5.3	22.6	69.2	27.9	2.9	0.0	71.8	70.8
Jordan	1008	21.8	21.2	2.6	73.6	21.2	76.2	2.3	0.3	21.2	22.3
Kazakhstan	900	35.2	33.4	8.2	53.2	33.4	61.4	5.1	0.1	37.7	33.1
Korea, Rep. of	604	77.5	75.7	2.5	19.4	75.7	21.9	2.3	0.0	76.5	78.4
Lithuania	775	40.8	36.9	12.9	40.7	36.9	53.6	9.3	0.2	40.3	41.2
Malaysia	1254	14.5	14.4	6.8	77.9	14.4	84.7	1.0	0.0	13.5	15.7
Malta	564	32.9	29.5	17.3	42.9	29.5	60.2	10.3	0.0	29.4	36.1
Morocco	1237	28.6	26.3	5.2	60.5	26.3	65.7	7.6	0.4	33.0	24.2
New Zealand	566	34.3	32.8	22.4	40.4	32.8	62.9	4.3	0.0	26.5	39.9
Norway (9)	902	37.5	34.8	22.3	35.6	34.8	57.9	6.9	0.4	32.9	41.5
Oman	1180	21.2	20.2	5.2	69.8	20.2	75.0	4.2	0.6	25.3	17.3
Palestinian Nat'l Auth.	926	26.4	25.6	4.5	66.8	25.6	71.3	2.6	0.5	32.1	20.7
Portugal	768	33.2	31.1	15.2	47.4	31.1	62.6	6.3	0.0	30.7	35.5
Qatar	612	31.5	30.5	8.5	57.7	30.5	66.2	3.3	0.0	27.2	35.3
Romania	513	65.6	62.2	3.0	29.6	62.2	32.6	4.0	1.1	67.8	63.5
Saudi Arabia	835	33.3	32.8	5.1	60.6	32.8	65.7	1.1	0.3	34.1	32.7
Singapore	689	64.8	64.7	3.6	31.5	64.7	35.1	0.1	0.0	64.0	65.5
Sweden	722	46.7	44.3	14.7	35.8	44.3	50.5	5.2	0.1	44.9	48.3
Turkiye	711	42.8	39.8	10.3	42.9	39.8	53.2	7.0	0.0	45.7	39.7
United Arab Emirates	4672	49.7	48.3	9.5	39.3	48.3	48.9	2.8	0.1	49.6	49.9
United States	1142	40.6	39.8	15.5	42.8	39.8	58.3	1.7	0.3	40.7	40.5
Uzbekistan	619	26.6	25.2	8.9	60.8	25.2	69.7	5.0	0.1	22.8	30.2
International Avg. (40)	37965	39.9	37.7	10.7	45.5	37.7	56.3	5.9	0.2	39.2	40.6
Abu Dhabi, UAE	1724	38.6	37.6	10.9	48.8	37.6	59.8	2.4	0.2	38.1	39.2
Dubai, UAE	1152	59.9	57.6	10.9	27.6	57.6	38.5	3.8	0.1	58.4	61.5
Sharjah, UAE	921	54.9	53.6	6.4	37.6	53.6	44.0	2.5	0.0	54.8	55.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_MM3_03 ME72026: Make two fractions with largest product - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	33.5	33.1	23.8	42.2	33.1	66.0	0.6	0.3	29.8	36.7
Austria	664	49.9	49.7	8.4	41.5	49.7	49.9	0.4	0.0	45.5	54.1
Azerbaijan	898	28.4	27.4	18.1	50.9	27.4	68.9	3.3	0.4	23.8	32.2
Bahrain	730	30.8	30.7	10.3	58.7	30.7	69.0	0.2	0.1	31.0	30.6
Brazil	3221	26.4	25.8	11.6	60.3	25.8	72.0	0.9	1.4	22.9	29.8
Chile	634	29.8	29.5	9.8	59.7	29.5	69.5	0.9	0.1	30.0	29.5
Chinese Taipei	801	72.7	72.7	4.5	22.7	72.7	27.3	0.0	0.0	71.9	73.5
Cyprus	599	42.9	42.4	11.7	44.7	42.4	56.4	0.9	0.3	36.8	48.9
Czech Republic	1154	41.6	41.2	5.1	52.8	41.2	57.9	0.8	0.0	35.2	47.7
England	594	39.7	39.6	14.1	46.1	39.6	60.2	0.2	0.0	36.7	43.1
Finland	833	48.7	48.3	12.4	38.5	48.3	50.9	0.6	0.2	46.0	51.5
France	637	42.9	42.4	7.1	49.3	42.4	56.4	1.1	0.0	40.2	45.3
Georgia	694	34.2	34.0	11.3	54.1	34.0	65.3	0.5	0.2	32.3	35.9
Hong Kong SAR	631	56.8	56.7	11.7	31.3	56.7	43.0	0.1	0.3	53.1	60.2
Hungary	773	52.3	52.3	4.9	42.8	52.3	47.7	0.0	0.0	46.7	57.9
Ireland	733	31.5	31.4	26.7	41.6	31.4	68.3	0.2	0.0	29.7	33.1
Israel	746	48.4	47.7	6.5	44.4	47.7	50.9	1.2	0.1	41.6	54.8
Italy	655	35.1	35.0	10.4	54.4	35.0	64.7	0.2	0.0	32.0	38.1
Japan	575	61.2	61.1	7.0	31.8	61.1	38.7	0.2	0.0	51.4	70.7
Jordan	1008	38.7	38.6	6.2	55.0	38.6	61.1	0.0	0.3	39.1	38.4
Kazakhstan	900	23.8	23.6	11.4	64.3	23.6	75.6	0.6	0.2	17.9	28.8
Korea, Rep. of	604	74.3	73.9	4.3	21.3	73.9	25.6	0.5	0.0	66.3	81.3
Lithuania	775	37.6	37.4	9.0	53.2	37.4	62.2	0.2	0.2	33.2	41.9
Malaysia	1254	22.6	22.6	13.5	64.0	22.6	77.4	0.0	0.0	21.1	24.3
Malta	564	25.7	25.5	22.8	51.0	25.5	73.8	0.5	0.2	20.6	30.8
Morocco	1239	32.4	32.0	11.4	55.6	32.0	67.0	0.4	0.6	30.1	34.7
New Zealand	566	30.8	30.7	26.7	42.3	30.7	69.0	0.3	0.0	22.8	36.8
Norway (9)	902	33.0	32.7	31.9	34.5	32.7	66.3	0.4	0.6	29.7	35.9
Oman	1180	25.7	25.4	11.1	62.4	25.4	73.5	0.5	0.6	22.8	28.4
Palestinian Nat'l Auth.	926	26.6	26.4	12.2	60.5	26.4	72.7	0.2	0.7	23.3	30.0
Portugal	768	47.4	47.2	6.3	46.0	47.2	52.3	0.5	0.0	44.5	50.2
Qatar	612	36.1	36.0	10.2	53.6	36.0	63.8	0.2	0.0	34.1	37.8
Romania	513	46.8	46.0	9.5	42.8	46.0	52.3	0.5	1.1	46.4	47.1
Saudi Arabia	835	22.8	22.7	11.6	65.1	22.7	76.7	0.2	0.3	20.1	25.4
Singapore	689	64.2	64.2	6.7	29.1	64.2	35.8	0.0	0.0	57.4	70.1
Sweden	723	50.6	50.0	16.3	32.6	50.0	48.8	1.0	0.2	47.5	53.3
Turkiye	711	41.1	41.0	7.6	51.1	41.0	58.7	0.3	0.0	42.2	40.1
United Arab Emirates	4671	37.5	37.1	12.3	49.7	37.1	61.9	0.8	0.2	33.3	41.6
United States	1143	42.5	42.3	12.0	45.1	42.3	57.1	0.2	0.4	39.7	45.3
Uzbekistan	619	28.9	28.7	15.3	55.5	28.7	70.8	0.3	0.2	27.2	30.4
International Avg. (40)	37970	39.9	39.6	12.1	47.6	39.6	59.6	0.5	0.2	36.4	43.2
Abu Dhabi, UAE	1724	32.6	32.3	14.2	52.6	32.3	66.8	0.7	0.3	27.6	37.6
Dubai, UAE	1151	47.5	46.8	10.5	41.2	46.8	51.8	1.4	0.1	42.8	51.7
Sharjah, UAE	921	36.6	36.4	11.1	52.1	36.4	63.2	0.4	0.0	33.7	39.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MM3_04A ME72041A: Ratio of boys to girls - Class I - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	56.7	53.5	1.1	41.7	54.6	41.7	3.4	0.3	59.7	54.0
Austria	664	37.5	32.5	1.9	57.3	34.4	57.3	8.3	0.0	39.9	35.1
Azerbaijan	898	43.6	15.5	21.8	48.4	37.4	48.4	13.9	0.4	45.2	42.2
Bahrain	730	24.2	18.7	4.3	72.2	23.0	72.2	4.7	0.1	23.6	24.8
Brazil	3221	5.1	2.8	1.7	85.1	4.6	85.1	8.9	1.4	4.1	6.1
Chile	634	6.6	5.2	0.4	78.9	5.6	78.9	15.4	0.1	5.9	7.3
Chinese Taipei	801	80.8	78.2	1.3	18.9	79.5	18.9	1.5	0.0	83.9	78.1
Cyprus	599	49.4	43.1	0.8	45.1	43.9	45.1	10.8	0.3	52.8	45.9
Czech Republic	1154	52.5	44.9	1.6	42.0	46.5	42.0	11.5	0.0	51.8	53.2
England	594	75.2	71.9	0.7	23.9	72.6	23.9	3.4	0.1	77.1	73.0
Finland	832	31.7	19.7	9.6	63.2	29.3	63.2	7.2	0.2	27.3	35.9
France	637	15.1	7.8	4.5	69.0	12.2	69.0	18.7	0.0	13.8	16.2
Georgia	694	50.6	10.6	33.5	43.1	44.1	43.1	12.5	0.3	54.1	47.7
Hong Kong SAR	631	73.5	69.3	2.1	25.7	71.4	25.7	2.7	0.3	78.8	68.8
Hungary	773	40.7	33.7	3.5	54.2	37.2	54.2	8.5	0.0	36.0	45.1
Ireland	733	60.3	57.1	0.1	37.6	57.1	37.6	5.2	0.0	58.6	61.8
Israel	746	36.3	29.6	4.0	59.0	33.7	59.0	7.1	0.1	37.7	35.1
Italy	655	29.5	20.1	6.0	62.4	26.1	62.4	11.5	0.0	29.5	29.5
Japan	575	74.3	71.2	0.9	25.0	72.1	25.0	2.9	0.0	80.0	68.6
Jordan	1008	9.5	4.9	4.2	87.8	9.2	87.8	2.8	0.3	9.2	9.7
Kazakhstan	900	24.2	15.7	6.0	68.0	21.7	68.0	10.2	0.2	28.6	20.5
Korea, Rep. of	604	86.2	85.0	0.0	13.7	85.0	13.7	1.3	0.0	89.6	83.1
Lithuania	775	30.5	25.2	3.2	64.8	28.4	64.8	6.5	0.2	31.6	29.5
Malaysia	1254	35.8	34.8	0.6	63.5	35.4	63.5	1.1	0.0	40.0	31.0
Malta	564	60.4	56.9	0.4	37.6	57.3	37.6	5.0	0.2	65.3	55.2
Morocco	1239	2.7	0.8	1.5	86.0	2.4	86.0	11.0	0.6	2.2	3.1
New Zealand	567	47.3	40.8	4.4	50.3	45.1	50.3	4.5	0.0	39.4	53.0
Norway (9)	902	6.1	4.8	0.8	85.9	5.5	85.9	8.0	0.6	5.8	6.3
Oman	1180	21.4	17.7	2.6	74.7	20.3	74.7	4.4	0.7	26.5	16.5
Palestinian Nat'l Auth.	925	15.5	10.2	4.5	80.2	14.7	80.2	4.5	0.7	21.2	9.8
Portugal	768	9.4	2.0	6.6	82.7	8.5	82.7	8.7	0.0	9.3	9.4
Qatar	612	38.6	33.5	4.1	59.9	37.6	59.9	2.4	0.1	32.6	43.8
Romania	513	44.2	15.2	25.8	51.7	41.0	51.7	6.2	1.1	49.2	39.3
Saudi Arabia	835	4.9	2.3	2.5	92.4	4.8	92.4	2.5	0.3	5.5	4.4
Singapore	689	89.6	88.8	0.8	10.4	89.6	10.4	0.0	0.0	90.9	88.4
Sweden	723	4.8	3.7	0.7	87.7	4.4	87.7	7.7	0.2	2.5	6.8
Turkiye	711	42.7	24.5	13.8	51.4	38.3	51.4	10.3	0.0	40.2	45.1
United Arab Emirates	4672	47.6	41.1	5.4	51.2	46.5	51.2	2.2	0.2	47.0	48.1
United States	1143	46.4	43.6	2.2	52.9	45.8	52.9	0.9	0.4	48.5	44.3
Uzbekistan	619	11.9	5.7	5.4	82.2	11.1	82.2	6.4	0.2	9.8	13.9
International Avg. (40)	37970	38.1	31.1	4.9	57.2	35.9	57.2	6.6	0.2	38.9	37.2
Abu Dhabi, UAE	1724	34.9	29.4	4.6	63.4	34.0	63.4	2.3	0.3	34.5	35.3
Dubai, UAE	1152	69.3	64.2	3.2	29.9	67.4	29.9	2.6	0.1	70.0	68.6
Sharjah, UAE	921	51.4	42.8	7.9	47.9	50.7	47.9	1.3	0.0	51.5	51.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MM3_04B ME72041B: Ratio of boys to girls - eighth grade - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	41.6	39.1	0.5	55.7	39.6	55.7	4.2	0.5	45.7	37.9
Austria	664	25.8	22.0	0.9	65.8	22.9	65.8	11.3	0.0	26.4	25.2
Azerbaijan	898	36.3	12.4	17.4	52.3	29.8	52.3	17.3	0.5	36.5	36.2
Bahrain	730	16.8	13.0	2.7	77.6	15.6	77.6	6.7	0.1	18.1	15.4
Brazil	3221	3.4	1.8	1.1	85.0	3.0	85.0	10.5	1.5	2.1	4.7
Chile	634	4.3	3.5	0.1	80.4	3.6	80.4	15.9	0.1	5.1	3.5
Chinese Taipei	801	65.5	62.4	1.9	33.9	64.2	33.9	1.9	0.0	71.5	60.4
Cyprus	599	40.2	34.1	0.6	51.7	34.7	51.7	13.4	0.3	44.9	35.5
Czech Republic	1154	37.6	31.3	1.0	53.7	32.3	53.7	14.0	0.0	38.3	36.9
England	594	63.0	58.8	0.2	34.6	59.0	34.6	6.3	0.1	69.2	56.1
Finland	833	22.8	14.5	6.0	69.3	20.5	69.3	10.0	0.2	20.1	25.5
France	637	9.8	5.3	2.4	71.4	7.8	71.4	20.8	0.0	9.7	9.9
Georgia	694	41.5	7.2	26.6	47.7	33.8	47.7	18.2	0.3	45.8	38.0
Hong Kong SAR	631	57.6	53.5	1.8	40.7	55.2	40.7	3.8	0.3	60.4	55.0
Hungary	773	32.9	27.0	2.3	59.6	29.2	59.6	11.1	0.0	31.0	34.6
Ireland	733	46.5	42.2	1.3	50.0	43.5	50.0	6.3	0.2	49.6	43.8
Israel	746	27.8	22.8	2.4	65.6	25.2	65.6	8.9	0.3	28.7	26.9
Italy	655	22.0	14.4	4.2	65.9	18.6	65.9	15.5	0.0	24.3	19.9
Japan	575	60.3	57.6	0.4	38.1	57.9	38.1	4.0	0.0	68.6	52.2
Jordan	1006	6.2	3.1	2.7	87.8	5.8	87.8	6.1	0.3	6.7	5.8
Kazakhstan	900	20.1	13.2	4.0	68.7	17.3	68.7	13.9	0.2	24.6	16.5
Korea, Rep. of	604	65.9	64.7	0.0	33.5	64.7	33.5	1.8	0.0	71.6	60.8
Lithuania	775	25.9	20.7	2.7	66.6	23.3	66.6	9.8	0.2	25.3	26.6
Malaysia	1254	26.4	25.9	0.1	72.3	26.0	72.3	1.7	0.0	32.0	20.2
Malta	564	46.4	43.2	0.2	50.1	43.4	50.1	6.3	0.2	52.7	39.8
Morocco	0	.	.	.	.	.	.	.	.	.	.
New Zealand	567	34.3	29.9	2.3	61.7	32.2	61.7	6.1	0.0	26.8	39.9
Norway (9)	902	3.9	2.6	1.0	86.8	3.5	86.8	8.9	0.8	2.5	5.2
Oman	1180	18.8	15.1	2.1	74.6	17.2	74.6	7.3	0.9	21.3	16.2
Palestinian Nat'l Auth.	925	10.5	7.1	2.6	82.1	9.6	82.1	7.4	0.9	13.9	7.1
Portugal	768	6.6	1.1	4.7	83.1	5.9	83.1	11.0	0.0	6.5	6.8
Qatar	612	26.2	23.1	2.1	71.3	25.3	71.3	3.4	0.1	24.4	27.8
Romania	513	37.5	13.4	20.7	56.7	34.0	56.7	8.2	1.1	44.1	31.2
Saudi Arabia	835	3.1	1.9	1.1	91.3	2.9	91.3	5.4	0.3	3.1	3.1
Singapore	689	80.6	79.9	0.4	19.3	80.4	19.3	0.3	0.0	82.6	78.8
Sweden	723	3.6	2.8	0.5	87.6	3.3	87.6	8.8	0.3	1.2	5.6
Turkiye	711	41.4	22.7	13.1	50.7	35.8	50.7	13.5	0.0	40.8	41.9
United Arab Emirates	4672	37.4	32.7	3.2	60.1	35.9	60.1	3.7	0.3	37.4	37.4
United States	1143	36.6	33.9	2.0	62.3	35.9	62.3	1.4	0.4	38.9	34.3
Uzbekistan	619	10.2	5.5	3.8	82.4	9.3	82.4	7.7	0.6	10.2	10.1
International Avg. (39)	36730	30.7	24.8	3.7	62.8	28.4	62.8	8.5	0.3	32.4	29.0
Abu Dhabi, UAE	1724	24.6	21.6	2.1	72.7	23.7	72.7	3.3	0.4	25.1	24.1
Dubai, UAE	1152	59.7	54.5	2.3	38.4	56.8	38.4	4.7	0.1	60.3	59.0
Sharjah, UAE	921	40.2	33.6	5.1	57.6	38.8	57.6	3.4	0.1	40.8	39.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MM3_05 ME72223: Expression for money in savings account - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	51.6	33.8	50.6	9.5	4.3	1.2	0.6	53.9	49.4
Austria	664	53.3	33.0	53.0	8.7	4.9	0.5	0.0	54.0	52.6
Azerbaijan	898	45.3	36.3	43.9	12.6	4.1	2.6	0.5	38.1	51.3
Bahrain	730	37.2	40.6	37.0	16.0	5.9	0.4	0.1	31.2	43.2
Brazil	3221	35.3	37.2	34.2	18.3	7.1	1.5	1.6	35.4	35.2
Chile	634	36.6	40.1	36.0	15.9	6.4	1.5	0.1	34.6	38.7
Chinese Taipei	801	81.1	13.8	81.0	4.0	1.0	0.2	0.0	83.0	79.5
Cyprus	599	53.2	32.4	52.7	10.1	3.9	0.6	0.3	53.0	53.3
Czech Republic	1154	52.5	33.9	51.8	9.3	3.7	1.3	0.0	49.8	55.1
England	594	55.3	28.1	54.4	10.0	5.9	1.4	0.1	53.9	56.8
Finland	833	47.1	34.0	46.5	11.9	6.3	1.0	0.3	49.1	45.1
France	637	44.5	39.2	43.4	9.7	5.5	2.3	0.0	41.9	46.7
Georgia	694	43.0	38.9	42.3	11.3	5.8	1.4	0.3	34.7	50.3
Hong Kong SAR	631	70.3	21.6	69.9	5.7	2.3	0.3	0.3	67.7	72.6
Hungary	773	48.5	33.9	48.5	11.4	6.2	0.0	0.0	46.0	51.0
Ireland	733	46.4	35.9	45.6	11.1	5.6	1.6	0.2	44.8	47.9
Israel	746	54.4	28.6	53.9	10.8	5.8	0.6	0.3	55.0	53.7
Italy	655	48.4	39.4	48.2	9.1	2.9	0.4	0.0	42.8	53.8
Japan	575	81.5	15.2	81.4	2.4	0.9	0.2	0.0	81.8	81.3
Jordan	1008	37.6	36.5	37.2	15.0	10.3	0.8	0.3	36.9	38.3
Kazakhstan	900	41.0	36.2	40.6	15.6	6.7	0.7	0.2	42.2	39.9
Korea, Rep. of	604	80.7	15.3	80.2	3.1	0.8	0.6	0.0	76.8	84.1
Lithuania	775	56.0	33.8	55.8	7.9	2.2	0.0	0.2	53.6	58.3
Malaysia	1254	33.1	48.3	33.1	14.2	4.4	0.0	0.0	32.1	34.4
Malta	564	51.5	31.7	50.8	8.2	7.9	1.2	0.2	52.4	50.7
Morocco	1239	29.6	37.8	28.8	20.3	10.5	1.4	1.2	27.3	31.8
New Zealand	567	49.3	32.5	49.1	14.3	3.6	0.6	0.0	44.8	52.7
Norway (9)	902	52.8	31.6	51.5	9.0	5.4	1.6	1.0	53.9	51.8
Oman	1180	38.3	38.2	37.7	14.1	8.4	0.7	0.9	35.0	41.5
Palestinian Nat'l Auth.	926	32.7	38.8	32.1	18.4	8.9	0.9	0.9	26.1	39.2
Portugal	768	45.4	34.5	45.2	11.6	8.2	0.6	0.0	40.3	50.3
Qatar	612	48.5	36.4	48.4	9.6	5.2	0.3	0.1	45.0	51.5
Romania	513	56.4	30.8	54.6	7.9	3.5	1.9	1.1	55.1	57.6
Saudi Arabia	835	33.1	45.3	32.9	11.9	9.3	0.3	0.3	29.1	36.7
Singapore	689	74.4	21.8	74.3	2.1	1.6	0.2	0.0	71.3	77.2
Sweden	723	58.7	28.8	58.0	7.4	4.7	0.8	0.3	60.9	56.7
Turkiye	711	54.0	31.4	53.6	8.3	6.0	0.6	0.0	53.0	55.0
United Arab Emirates	4672	51.1	33.5	50.6	8.2	6.6	0.6	0.4	47.7	54.4
United States	1143	64.9	21.7	64.4	7.4	5.7	0.3	0.5	64.8	65.2
Uzbekistan	619	33.0	34.8	32.5	22.4	8.8	0.8	0.7	29.6	36.3
International Avg. (40)	37972	50.2	32.9	49.6	10.9	5.4	0.8	0.3	48.2	52.0
Abu Dhabi, UAE	1724	43.3	35.5	42.7	11.8	8.6	0.9	0.4	41.5	45.1
Dubai, UAE	1152	65.7	26.5	65.2	4.0	3.6	0.5	0.2	60.9	70.1
Sharjah, UAE	921	51.9	35.3	51.7	7.2	5.3	0.2	0.4	46.9	57.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MM3_06 ME72094: Value of k when $(k + 7) / 3 = 6$ - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	51.9	49.4	45.8	49.4	45.8	4.0	0.8	52.1	51.7
Austria	664	67.6	64.6	30.9	64.6	30.9	4.5	0.0	67.1	68.2
Azerbaijan	898	67.3	61.3	29.8	61.3	29.8	8.3	0.5	66.8	67.8
Bahrain	730	34.1	32.8	63.4	32.8	63.4	3.7	0.1	34.2	34.1
Brazil	3219	20.9	18.9	71.3	18.9	71.3	8.1	1.6	20.6	21.3
Chile	634	32.8	28.9	59.2	28.9	59.2	11.7	0.1	28.3	37.4
Chinese Taipei	801	85.8	85.2	14.1	85.2	14.1	0.7	0.0	84.7	86.7
Cyprus	599	67.2	62.9	30.7	62.9	30.7	6.2	0.3	66.7	67.7
Czech Republic	1154	62.4	60.2	36.3	60.2	36.3	3.6	0.0	63.0	61.8
England	594	65.4	62.0	32.8	62.0	32.8	5.1	0.1	61.5	69.7
Finland	833	65.1	62.7	33.6	62.7	33.6	3.4	0.3	64.6	65.6
France	636	42.2	37.6	51.4	37.6	51.4	11.1	0.0	39.9	44.2
Georgia	694	65.7	59.7	31.2	59.7	31.2	8.8	0.3	66.4	65.1
Hong Kong SAR	630	80.7	79.5	19.0	79.5	19.0	1.2	0.3	80.9	80.5
Hungary	773	61.9	61.2	37.6	61.2	37.6	1.2	0.0	60.6	63.2
Ireland	733	61.8	59.5	36.8	59.5	36.8	3.5	0.2	62.1	61.4
Israel	746	56.9	53.0	40.1	53.0	40.1	6.6	0.3	55.3	58.4
Italy	654	65.4	61.8	32.7	61.8	32.7	5.4	0.1	60.5	69.9
Japan	575	76.4	74.5	23.0	74.5	23.0	2.5	0.0	74.5	78.2
Jordan	1007	24.6	24.1	73.7	24.1	73.7	1.7	0.5	24.2	24.9
Kazakhstan	900	60.5	58.1	37.9	58.1	37.9	3.8	0.2	60.8	60.2
Korea, Rep. of	604	84.9	83.7	14.9	83.7	14.9	1.2	0.2	84.1	85.6
Lithuania	775	70.6	67.8	28.2	67.8	28.2	3.8	0.2	69.5	71.6
Malaysia	1254	24.6	24.3	74.6	24.3	74.6	1.0	0.0	23.3	26.0
Malta	564	54.8	51.5	42.5	51.5	42.5	5.8	0.2	55.9	53.7
Morocco	1238	26.2	23.8	66.9	23.8	66.9	8.1	1.3	25.3	27.1
New Zealand	566	48.6	46.5	49.2	46.5	49.2	4.2	0.0	42.6	52.9
Norway (9)	901	64.0	59.4	33.4	59.4	33.4	6.1	1.1	64.0	63.9
Oman	1179	32.9	31.7	64.6	31.7	64.6	2.8	0.9	33.2	32.7
Palestinian Nat'l Auth.	924	27.8	26.9	70.1	26.9	70.1	2.1	0.9	30.5	25.0
Portugal	768	52.8	50.2	44.8	50.2	44.8	5.0	0.0	47.2	58.0
Qatar	612	44.0	43.3	55.1	43.3	55.1	1.6	0.1	38.0	49.2
Romania	513	65.4	61.8	32.7	61.8	32.7	4.4	1.1	68.1	62.7
Saudi Arabia	833	26.4	26.0	72.5	26.0	72.5	1.2	0.3	25.7	27.1
Singapore	689	77.7	77.6	22.2	77.6	22.2	0.1	0.0	78.1	77.5
Sweden	723	76.2	73.9	23.0	73.9	23.0	2.8	0.3	79.2	73.7
Turkiye	711	61.6	59.9	37.3	59.9	37.3	2.8	0.0	64.7	58.5
United Arab Emirates	4671	58.0	56.8	41.2	56.8	41.2	1.5	0.5	55.8	60.1
United States	1143	54.0	53.2	45.4	53.2	45.4	0.9	0.5	52.1	56.0
Uzbekistan	619	51.1	49.3	47.1	49.3	47.1	2.5	1.0	52.7	49.6
International Avg. (40)	37957	55.5	53.1	42.4	53.1	42.4	4.1	0.4	54.6	56.2
Abu Dhabi, UAE	1723	49.2	48.1	49.8	48.1	49.8	1.7	0.4	47.4	50.9
Dubai, UAE	1152	73.6	72.3	25.9	72.3	25.9	1.2	0.5	72.6	74.5
Sharjah, UAE	921	59.0	57.9	40.2	57.9	40.2	1.4	0.4	54.1	63.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Algebra / Applying

B_MM3_07 ME72059: Formula for students' overall scores in course - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	30.0	27.2	0.5	64.6	27.7	64.6	6.8	0.8	31.9	28.6
Austria	664	44.4	39.7	0.3	50.0	40.0	50.0	10.0	0.0	48.0	41.1
Azerbaijan	897	46.8	38.0	0.4	43.5	38.3	43.5	17.2	0.9	46.3	47.3
Bahrain	730	26.2	24.1	0.8	69.9	24.8	69.9	5.2	0.1	28.2	24.2
Brazil	3218	7.3	5.8	0.3	77.6	6.1	77.6	14.6	1.7	6.1	8.5
Chile	632	9.4	6.9	0.3	69.0	7.2	69.0	23.6	0.1	8.8	10.1
Chinese Taipei	801	72.4	70.3	0.5	27.1	70.8	27.1	2.1	0.0	77.2	68.2
Cyprus	599	46.4	39.5	0.4	46.1	39.9	46.1	13.7	0.4	56.1	36.7
Czech Republic	1152	36.2	30.7	0.2	54.3	30.8	54.3	14.9	0.0	37.0	35.5
England	594	39.4	34.9	0.1	53.7	35.0	53.7	11.1	0.3	36.9	42.4
Finland	830	15.2	12.9	0.8	76.8	13.8	76.8	9.1	0.3	14.8	15.6
France	634	21.6	16.7	0.1	61.2	16.8	61.2	22.0	0.0	24.7	18.8
Georgia	692	43.7	35.3	0.1	45.6	35.4	45.6	18.6	0.4	48.4	39.4
Hong Kong SAR	631	77.8	74.8	0.5	21.5	75.3	21.5	2.7	0.5	81.8	74.1
Hungary	773	31.5	28.8	0.5	64.0	29.4	64.0	6.6	0.0	34.2	28.7
Ireland	731	32.4	27.5	0.6	58.6	28.0	58.6	13.2	0.2	31.4	33.2
Israel	746	38.0	32.2	0.9	53.9	33.1	53.9	12.5	0.5	40.9	35.2
Italy	655	25.1	20.9	0.3	63.3	21.2	63.3	15.4	0.1	27.2	23.1
Japan	575	69.0	65.5	0.7	29.7	66.2	29.7	3.9	0.2	70.8	67.3
Jordan	1008	20.9	19.2	0.8	75.7	20.0	75.7	3.7	0.5	22.9	19.1
Kazakhstan	899	41.5	38.1	0.2	54.0	38.2	54.0	7.4	0.4	47.8	36.3
Korea, Rep. of	604	64.2	61.2	0.2	34.2	61.4	34.2	4.1	0.2	64.9	63.6
Lithuania	774	53.7	49.2	0.5	42.9	49.6	42.9	7.3	0.2	58.7	48.8
Malaysia	1254	22.8	21.3	1.1	75.9	22.4	75.9	1.5	0.1	25.4	19.9
Malta	564	50.8	45.3	1.1	45.0	46.4	45.0	8.5	0.2	55.1	46.5
Morocco	1238	9.0	7.1	0.2	72.9	7.2	72.9	17.6	2.3	9.3	8.7
New Zealand	567	25.4	22.9	0.9	70.0	23.8	70.0	6.3	0.0	21.7	27.9
Norway (9)	901	17.6	14.8	0.1	69.9	14.9	69.9	14.1	1.1	17.6	17.6
Oman	1179	25.8	23.7	0.5	69.4	24.2	69.4	5.2	1.2	32.4	19.7
Palestinian Nat'l Auth.	925	12.7	11.7	0.3	82.0	11.9	82.0	5.2	0.9	14.9	10.6
Portugal	768	33.6	28.8	0.2	57.5	29.1	57.5	13.4	0.0	36.3	31.0
Qatar	611	31.4	29.4	0.0	64.2	29.4	64.2	6.3	0.1	34.8	28.4
Romania	513	37.5	32.5	0.2	54.5	32.7	54.5	11.7	1.1	42.6	32.4
Saudi Arabia	830	17.9	16.9	0.5	79.2	17.3	79.2	3.1	0.3	19.4	16.5
Singapore	689	76.5	75.3	0.7	23.3	76.0	23.3	0.7	0.0	79.5	73.9
Sweden	723	30.9	27.4	0.2	61.5	27.5	61.5	10.6	0.3	29.8	31.9
Turkiye	710	31.5	25.9	1.4	59.3	27.3	59.3	13.3	0.0	29.8	33.2
United Arab Emirates	4670	47.0	44.9	0.3	51.0	45.2	51.0	3.2	0.6	49.4	44.5
United States	1143	45.0	42.0	1.4	53.2	43.5	53.2	2.6	0.8	48.5	41.5
Uzbekistan	619	27.6	25.1	0.0	65.8	25.1	65.8	7.9	1.2	27.4	27.9
International Avg. (40)	37937	35.9	32.4	0.5	57.3	32.8	57.3	9.4	0.5	38.0	34.0
Abu Dhabi, UAE	1723	35.2	33.7	0.1	62.4	33.8	62.4	3.1	0.6	38.2	32.1
Dubai, UAE	1152	62.4	59.4	0.5	36.1	59.8	36.1	3.6	0.5	63.2	61.7
Sharjah, UAE	921	50.1	48.2	0.2	48.2	48.4	48.2	2.8	0.7	50.6	49.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MM3_08 ME72080: Expression equivalent to $x + 2y + 6$ - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	22.8	22.1	29.1	39.7	5.8	2.4	0.8	22.3	23.2
Austria	664	37.8	36.4	17.2	36.5	6.2	3.7	0.0	39.2	36.5
Azerbaijan	898	44.5	41.5	15.6	29.8	6.5	5.7	0.9	46.2	43.1
Bahrain	730	24.0	23.6	22.7	46.2	5.8	1.4	0.3	24.0	24.0
Brazil	3221	15.2	14.5	19.7	53.3	8.2	2.2	2.1	12.6	17.7
Chile	634	14.0	12.9	24.5	48.8	5.9	7.6	0.3	13.8	14.3
Chinese Taipei	801	70.7	70.5	10.1	15.1	4.0	0.2	0.0	74.9	67.0
Cyprus	599	36.6	35.7	15.2	41.3	5.3	2.1	0.5	38.3	35.0
Czech Republic	1154	36.0	34.8	17.7	40.0	4.1	3.2	0.1	35.4	36.6
England	594	30.0	28.9	25.0	35.8	6.7	3.2	0.4	26.7	33.8
Finland	833	27.3	26.4	22.4	41.8	6.4	2.6	0.4	27.3	27.2
France	637	16.4	15.5	25.1	49.5	4.7	5.2	0.0	19.2	13.9
Georgia	694	29.9	28.5	17.0	45.2	4.6	3.9	0.9	30.9	29.1
Hong Kong SAR	631	58.5	57.7	14.0	21.8	5.1	0.9	0.5	58.7	58.3
Hungary	773	35.9	35.7	20.5	38.7	4.5	0.6	0.0	36.8	35.1
Ireland	733	32.0	30.8	22.2	34.9	8.3	3.5	0.3	32.4	31.7
Israel	746	40.7	39.8	23.6	30.2	4.4	1.6	0.5	39.9	41.4
Italy	655	28.3	27.5	22.1	43.3	4.4	1.8	0.9	32.0	24.8
Japan	575	68.6	67.6	9.3	18.8	2.8	1.2	0.2	69.4	67.8
Jordan	1008	25.1	24.7	20.4	44.4	8.8	1.0	0.7	27.0	23.4
Kazakhstan	900	30.9	29.9	18.1	43.6	5.4	2.4	0.6	34.2	28.0
Korea, Rep. of	604	71.7	70.6	10.4	14.7	2.9	1.0	0.4	73.1	70.4
Lithuania	775	34.6	34.0	23.7	37.7	2.9	1.5	0.2	32.8	36.5
Malaysia	1254	18.4	18.2	22.6	53.6	4.8	0.5	0.2	18.6	18.1
Malta	564	27.2	26.6	16.3	48.8	6.0	2.1	0.2	29.2	25.3
Morocco	1239	17.3	16.3	18.2	52.3	7.4	3.1	2.7	20.4	14.2
New Zealand	567	22.9	22.2	27.4	43.1	4.4	2.8	0.0	22.9	22.8
Norway (9)	902	23.5	22.1	29.7	38.1	4.4	4.3	1.3	21.8	25.0
Oman	1180	21.5	20.7	19.8	49.5	6.2	1.9	1.9	22.4	20.7
Palestinian Nat'l Auth.	926	27.6	26.8	22.4	40.2	7.9	1.5	1.2	32.2	23.1
Portugal	768	28.8	28.1	20.8	43.2	5.5	2.3	0.0	27.8	29.7
Qatar	612	28.7	28.0	21.1	41.0	7.6	2.3	0.1	31.0	26.7
Romania	513	46.9	45.4	16.5	29.9	4.9	1.3	2.0	53.3	40.5
Saudi Arabia	835	22.5	22.2	21.4	46.5	8.7	0.7	0.5	22.7	22.3
Singapore	689	70.8	70.7	9.8	16.1	3.3	0.1	0.0	70.5	71.1
Sweden	723	31.5	30.2	24.1	33.8	7.9	3.2	0.7	31.0	31.9
Turkiye	711	37.3	35.3	18.0	33.8	7.5	5.3	0.0	39.6	35.0
United Arab Emirates	4671	39.3	38.4	18.8	35.3	5.1	1.7	0.8	38.3	40.3
United States	1143	39.6	39.0	19.7	33.3	6.4	0.6	1.0	40.7	38.7
Uzbekistan	619	29.0	27.8	18.1	44.6	5.4	2.6	1.6	28.9	29.0
International Avg. (40)	37971	34.1	33.2	19.8	38.4	5.7	2.4	0.6	35.0	33.3
Abu Dhabi, UAE	1724	33.1	32.2	20.0	38.4	6.6	2.0	0.7	35.0	31.2
Dubai, UAE	1152	50.7	49.6	16.1	27.8	4.4	1.3	0.7	47.4	53.8
Sharjah, UAE	920	40.4	39.3	18.2	36.1	3.7	1.8	0.8	37.0	43.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM3_09 ME72081: Pair of equations for ticket price (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	15.9	15.7	82.7	15.7	82.7	0.8	0.8	13.8	17.8
Austria	664	14.9	14.8	84.4	14.8	84.4	0.8	0.0	14.1	15.7
Azerbaijan	898	21.6	20.1	73.1	20.1	73.1	5.7	1.1	19.2	23.5
Bahrain	730	10.9	10.7	88.0	10.7	88.0	0.9	0.4	11.4	10.4
Brazil	3221	11.2	10.7	85.2	10.7	85.2	1.9	2.2	9.7	12.6
Chile	634	6.9	6.6	90.1	6.6	90.1	2.9	0.5	6.9	6.8
Chinese Taipei	801	45.0	44.9	54.9	44.9	54.9	0.2	0.0	49.8	40.9
Cyprus	599	21.4	21.1	77.5	21.1	77.5	0.8	0.5	23.6	19.2
Czech Republic	1154	27.0	26.4	71.5	26.4	71.5	2.0	0.1	26.4	27.6
England	594	18.9	18.4	79.0	18.4	79.0	2.3	0.4	18.1	19.8
Finland	833	15.5	15.2	82.7	15.2	82.7	1.5	0.6	14.4	16.7
France	637	12.9	12.7	85.5	12.7	85.5	1.5	0.3	15.7	10.6
Georgia	694	14.0	13.6	83.7	13.6	83.7	1.8	0.9	17.4	11.0
Hong Kong SAR	631	49.8	49.4	49.8	49.4	49.8	0.2	0.5	51.4	48.4
Hungary	773	20.4	20.4	79.5	20.4	79.5	0.1	0.0	20.3	20.5
Ireland	733	15.9	15.7	82.9	15.7	82.9	1.1	0.3	15.5	16.3
Israel	746	16.1	15.8	81.9	15.8	81.9	1.9	0.5	16.8	15.5
Italy	655	19.9	19.5	78.6	19.5	78.6	0.9	0.9	20.9	18.9
Japan	575	61.9	61.6	37.9	61.6	37.9	0.3	0.2	59.2	64.4
Jordan	1008	7.9	7.8	90.2	7.8	90.2	1.3	0.7	6.8	9.0
Kazakhstan	900	18.9	18.7	80.2	18.7	80.2	0.4	0.7	19.4	18.5
Korea, Rep. of	604	58.8	58.3	40.8	58.3	40.8	0.4	0.4	60.7	57.2
Lithuania	775	23.0	22.9	76.7	22.9	76.7	0.1	0.2	23.8	22.2
Malaysia	1254	10.3	10.3	89.1	10.3	89.1	0.2	0.5	10.1	10.6
Malta	564	15.7	15.6	83.6	15.6	83.6	0.7	0.2	16.9	14.5
Morocco	1239	8.0	7.6	87.0	7.6	87.0	2.3	3.0	5.8	10.3
New Zealand	566	13.3	13.1	85.4	13.1	85.4	1.4	0.0	10.6	15.4
Norway (9)	902	14.5	14.0	82.7	14.0	82.7	2.1	1.3	16.3	12.8
Oman	1180	7.0	6.7	89.6	6.7	89.6	1.7	2.0	6.1	7.9
Palestinian Nat'l Auth.	926	6.1	6.0	91.3	6.0	91.3	1.5	1.2	4.6	7.6
Portugal	768	15.5	15.5	84.2	15.5	84.2	0.4	0.0	15.9	15.2
Qatar	612	10.1	10.0	88.6	10.0	88.6	1.3	0.2	7.8	12.2
Romania	513	27.0	26.4	71.3	26.4	71.3	0.2	2.0	28.7	25.4
Saudi Arabia	835	8.0	7.9	90.4	7.9	90.4	1.3	0.5	8.1	7.9
Singapore	689	46.9	46.9	53.1	46.9	53.1	0.0	0.0	46.0	47.8
Sweden	723	21.5	20.5	75.1	20.5	75.1	3.7	0.7	24.7	18.7
Turkiye	711	32.0	31.6	67.1	31.6	67.1	1.1	0.3	32.4	31.6
United Arab Emirates	4672	20.6	20.3	78.0	20.3	78.0	0.8	1.0	20.0	21.3
United States	1143	20.3	20.0	78.7	20.0	78.7	0.2	1.1	21.3	19.3
Uzbekistan	619	10.1	9.7	86.7	9.7	86.7	1.5	2.1	9.7	10.4
International Avg. (40)	37971	20.4	20.1	78.0	20.1	78.0	1.2	0.7	20.5	20.3
Abu Dhabi, UAE	1724	15.6	15.3	82.8	15.3	82.8	0.9	1.1	15.5	15.7
Dubai, UAE	1152	31.0	30.5	68.1	30.5	68.1	0.6	0.7	30.8	31.2
Sharjah, UAE	921	20.2	19.8	78.5	19.8	78.5	0.6	1.1	19.2	21.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM3_09A ME72081A: Pair of equations for ticket price - $9x + 5y = 66$ - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	68.1	67.0	31.3	0.9	0.8	68.2	68.2
Austria	664	66.0	65.3	33.7	1.1	0.0	65.3	66.6
Azerbaijan	898	68.7	63.2	28.9	6.8	1.1	71.5	66.4
Bahrain	730	63.3	62.4	36.2	0.9	0.4	66.7	59.9
Brazil	3221	56.9	54.5	41.3	2.0	2.2	55.0	58.8
Chile	634	57.9	55.7	40.5	3.3	0.5	61.1	54.7
Chinese Taipei	801	87.0	86.8	13.0	0.2	0.0	86.8	87.1
Cyprus	599	70.6	69.6	29.0	1.0	0.5	76.7	64.6
Czech Republic	1154	68.1	66.4	31.2	2.3	0.1	69.1	67.1
England	594	70.6	68.7	28.5	2.4	0.4	72.0	69.1
Finland	833	60.4	59.1	38.8	1.5	0.6	62.3	58.4
France	637	63.5	62.3	35.8	1.6	0.3	68.9	58.8
Georgia	694	63.7	62.1	35.3	1.8	0.9	66.1	61.7
Hong Kong SAR	631	85.0	84.3	14.9	0.2	0.5	85.5	84.4
Hungary	773	60.6	60.6	39.3	0.1	0.0	62.0	59.2
Ireland	733	70.5	69.5	29.1	1.1	0.3	72.4	68.8
Israel	746	67.9	66.1	31.2	2.2	0.5	72.6	63.4
Italy	655	64.7	63.4	34.6	1.1	0.9	69.9	59.7
Japan	575	84.3	83.9	15.6	0.3	0.2	85.4	83.3
Jordan	1008	58.8	57.3	40.2	1.8	0.7	59.5	58.2
Kazakhstan	900	71.6	70.8	28.1	0.4	0.7	74.3	69.2
Korea, Rep. of	604	90.2	89.4	9.7	0.4	0.4	90.1	90.2
Lithuania	775	73.6	73.1	26.3	0.4	0.2	75.5	71.7
Malaysia	1254	61.1	60.6	38.7	0.2	0.5	64.5	57.1
Malta	564	65.5	64.7	34.0	1.0	0.2	68.4	62.6
Morocco	1239	51.5	48.6	45.7	2.6	3.0	52.7	50.3
New Zealand	566	60.9	60.0	38.5	1.4	0.0	61.2	60.7
Norway (9)	902	64.0	61.3	34.4	2.9	1.3	66.6	61.8
Oman	1180	62.0	59.6	36.5	1.9	2.0	63.0	61.2
Palestinian Nat'l Auth.	926	55.8	54.1	42.9	1.7	1.2	58.2	53.3
Portugal	768	64.1	63.8	35.7	0.5	0.0	64.8	63.5
Qatar	612	73.0	71.8	26.5	1.5	0.2	73.5	72.5
Romania	513	70.0	68.2	29.2	0.6	2.0	72.9	67.1
Saudi Arabia	835	65.8	64.5	33.6	1.4	0.5	68.2	63.5
Singapore	689	84.2	84.2	15.8	0.0	0.0	82.8	85.4
Sweden	723	71.1	67.8	27.5	4.0	0.7	72.5	70.0
Turkiye	711	80.1	78.7	19.6	1.5	0.3	81.5	78.7
United Arab Emirates	4672	74.1	72.8	25.4	0.9	1.0	75.5	72.7
United States	1143	72.8	71.8	26.8	0.2	1.1	74.3	71.4
Uzbekistan	619	61.7	59.3	36.8	1.8	2.1	63.2	60.2
International Avg. (40)	37971	68.2	66.8	31.0	1.5	0.7	70.0	66.5
Abu Dhabi, UAE	1724	69.1	67.7	30.2	1.0	1.1	72.1	66.1
Dubai, UAE	1152	82.2	81.0	17.6	0.7	0.7	82.3	82.1
Sharjah, UAE	921	75.9	74.6	23.7	0.6	1.1	76.8	75.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM3_09B ME72081B: Pair of equations for ticket price - $x + y = 66$ - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	58.6	40.7	57.6	0.9	0.8	55.5	61.3
Austria	664	53.0	46.5	52.4	1.1	0.0	49.1	56.7
Azerbaijan	898	63.4	33.7	58.4	6.8	1.1	63.8	63.1
Bahrain	730	65.5	34.0	64.6	0.9	0.4	69.9	61.1
Brazil	3221	57.9	40.3	55.5	2.0	2.2	55.3	60.5
Chile	634	53.7	44.5	51.7	3.3	0.5	55.1	52.3
Chinese Taipei	801	85.8	14.2	85.6	0.2	0.0	85.2	86.3
Cyprus	599	60.9	38.5	60.0	1.0	0.5	60.1	61.7
Czech Republic	1154	54.6	44.3	53.3	2.3	0.1	52.4	56.7
England	594	63.6	35.4	61.8	2.4	0.4	63.7	63.5
Finland	833	47.9	51.0	46.9	1.5	0.6	44.2	51.8
France	637	51.4	47.7	50.4	1.6	0.3	50.9	51.8
Georgia	694	56.1	42.8	54.6	1.8	0.9	58.3	54.2
Hong Kong SAR	631	86.3	13.6	85.7	0.2	0.5	87.1	85.7
Hungary	773	52.4	47.5	52.4	0.1	0.0	50.6	54.3
Ireland	733	58.9	40.5	58.1	1.1	0.3	56.6	61.0
Israel	746	64.9	34.1	63.2	2.2	0.5	67.8	62.3
Italy	655	61.0	38.2	59.8	1.1	0.9	65.2	57.0
Japan	575	87.8	12.2	87.3	0.3	0.2	88.4	87.1
Jordan	1008	63.2	35.9	61.6	1.8	0.7	61.2	65.0
Kazakhstan	900	64.3	35.3	63.5	0.4	0.7	64.0	64.5
Korea, Rep. of	604	86.8	13.1	86.1	0.4	0.4	89.3	84.6
Lithuania	775	56.3	43.5	55.9	0.4	0.2	57.6	54.9
Malaysia	1254	53.8	45.9	53.4	0.2	0.5	54.2	53.3
Malta	564	64.1	35.4	63.3	1.0	0.2	64.9	63.3
Morocco	1239	61.3	36.5	57.8	2.6	3.0	62.2	60.4
New Zealand	566	56.1	43.3	55.3	1.4	0.0	53.9	57.7
Norway (9)	902	46.4	51.3	44.5	2.9	1.3	47.7	45.3
Oman	1180	66.1	32.6	63.5	1.9	2.0	66.1	66.1
Palestinian Nat'l Auth.	926	61.7	37.2	59.9	1.7	1.2	63.6	59.8
Portugal	768	56.4	43.4	56.1	0.5	0.0	58.4	54.5
Qatar	612	67.5	32.0	66.3	1.5	0.2	64.7	69.9
Romania	513	67.6	31.5	65.9	0.6	2.0	67.7	67.6
Saudi Arabia	835	59.3	39.9	58.2	1.4	0.5	62.3	56.5
Singapore	689	82.1	17.9	82.1	0.0	0.0	81.3	82.8
Sweden	723	57.1	40.9	54.4	4.0	0.7	57.6	56.6
Turkiye	711	65.4	33.9	64.3	1.5	0.3	67.5	63.5
United Arab Emirates	4672	69.0	30.4	67.7	0.9	1.0	68.7	69.3
United States	1143	65.0	34.6	64.1	0.2	1.1	66.4	63.4
Uzbekistan	619	62.0	36.5	59.6	1.8	2.1	64.7	59.4
International Avg. (40)	37971	62.9	36.3	61.6	1.5	0.7	63.1	62.7
Abu Dhabi, UAE	1724	64.9	34.4	63.5	1.0	1.1	64.5	65.3
Dubai, UAE	1152	74.0	25.6	72.9	0.7	0.7	73.8	74.0
Sharjah, UAE	921	70.6	28.9	69.4	0.6	1.1	69.7	71.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM3_09C ME72081C: Pair of equations for ticket price - $x + y = 10$ - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	27.5	27.0	71.3	0.9	0.8	25.4	29.2
Austria	664	26.6	26.3	72.6	1.1	0.0	26.2	27.0
Azerbaijan	898	35.5	32.7	59.4	6.8	1.1	32.8	37.7
Bahrain	730	19.9	19.7	79.0	0.9	0.4	18.3	21.6
Brazil	3221	27.9	26.7	69.1	2.0	2.2	25.8	30.0
Chile	634	22.1	21.3	75.0	3.3	0.5	20.6	23.6
Chinese Taipei	801	50.6	50.5	49.3	0.2	0.0	55.3	46.5
Cyprus	599	33.8	33.3	65.2	1.0	0.5	33.1	34.5
Czech Republic	1154	41.8	40.8	56.8	2.3	0.1	40.4	43.1
England	594	31.5	30.6	66.6	2.4	0.4	27.8	35.7
Finland	833	33.1	32.4	65.5	1.5	0.6	31.0	35.3
France	637	26.5	26.1	72.1	1.6	0.3	27.6	25.7
Georgia	694	28.7	28.0	69.4	1.8	0.9	32.6	25.4
Hong Kong SAR	631	56.1	55.7	43.6	0.2	0.5	57.6	54.7
Hungary	773	37.3	37.2	62.7	0.1	0.0	36.6	37.9
Ireland	733	27.7	27.3	71.3	1.1	0.3	25.9	29.3
Israel	746	28.3	27.5	69.8	2.2	0.5	25.3	31.1
Italy	655	35.3	34.6	63.4	1.1	0.9	34.9	35.6
Japan	575	68.0	67.7	31.8	0.3	0.2	65.5	70.5
Jordan	1008	19.8	19.3	78.2	1.8	0.7	17.3	22.1
Kazakhstan	900	29.7	29.4	69.5	0.4	0.7	28.3	31.0
Korea, Rep. of	604	62.4	61.9	37.3	0.4	0.4	64.1	61.0
Lithuania	775	35.9	35.6	63.7	0.4	0.2	35.1	36.6
Malaysia	1254	23.7	23.5	75.8	0.2	0.5	21.5	26.2
Malta	564	27.2	26.8	71.9	1.0	0.2	26.5	27.8
Morocco	1239	23.1	21.7	72.6	2.6	3.0	21.5	24.6
New Zealand	566	26.9	26.5	72.0	1.4	0.0	21.5	31.0
Norway (9)	902	29.7	28.5	67.3	2.9	1.3	31.6	28.1
Oman	1180	18.4	17.7	78.4	1.9	2.0	16.4	20.4
Palestinian Nat'l Auth.	926	18.5	18.0	79.1	1.7	1.2	15.4	21.6
Portugal	768	29.6	29.4	70.1	0.5	0.0	28.9	30.2
Qatar	612	19.7	19.4	78.9	1.5	0.2	15.5	23.4
Romania	513	37.7	36.7	60.7	0.6	2.0	37.6	37.7
Saudi Arabia	835	19.5	19.1	79.0	1.4	0.5	18.7	20.3
Singapore	689	53.7	53.7	46.3	0.0	0.0	54.1	53.4
Sweden	723	34.1	32.5	62.8	4.0	0.7	36.9	31.7
Turkiye	711	42.4	41.6	56.6	1.5	0.3	43.7	41.1
United Arab Emirates	4672	29.2	28.7	69.5	0.9	1.0	28.0	30.4
United States	1143	31.3	30.9	67.8	0.2	1.1	31.5	31.1
Uzbekistan	619	23.9	23.0	73.1	1.8	2.1	24.1	23.8
International Avg. (40)	37971	32.4	31.7	66.1	1.5	0.7	31.5	33.2
Abu Dhabi, UAE	1724	26.5	26.0	71.9	1.0	1.1	25.6	27.4
Dubai, UAE	1152	38.1	37.5	61.0	0.7	0.7	38.5	37.8
Sharjah, UAE	921	26.9	26.4	71.8	0.6	1.1	23.8	30.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM3_09D ME72081D: Pair of equations for ticket price - $9x + 5y = 10$ - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	80.2	19.5	78.8	0.9	0.8	77.3	82.6
Austria	664	78.7	21.0	77.9	1.1	0.0	77.0	80.4
Azerbaijan	898	80.2	18.3	73.8	6.8	1.1	75.9	83.6
Bahrain	730	82.1	17.7	80.9	0.9	0.4	79.7	84.4
Brazil	3221	74.3	24.6	71.2	2.0	2.2	73.3	75.3
Chile	634	79.2	20.0	76.2	3.3	0.5	77.0	81.6
Chinese Taipei	801	94.8	5.2	94.6	0.2	0.0	93.1	96.2
Cyprus	599	77.1	22.6	75.9	1.0	0.5	77.9	76.3
Czech Republic	1154	77.9	21.6	76.0	2.3	0.1	78.7	77.1
England	594	79.6	19.8	77.4	2.4	0.4	80.5	78.6
Finland	833	77.7	21.8	76.1	1.5	0.6	76.2	79.3
France	637	76.8	22.7	75.4	1.6	0.3	77.5	76.2
Georgia	694	77.4	22.0	75.4	1.8	0.9	74.9	79.6
Hong Kong SAR	631	90.4	9.5	89.7	0.2	0.5	91.2	89.6
Hungary	773	72.2	27.8	72.2	0.1	0.0	73.1	71.3
Ireland	733	80.1	19.6	78.9	1.1	0.3	79.1	80.9
Israel	746	73.5	25.8	71.6	2.2	0.5	72.6	74.4
Italy	655	80.5	19.1	78.9	1.1	0.9	77.7	83.3
Japan	575	87.3	12.6	86.9	0.3	0.2	87.8	86.8
Jordan	1008	74.0	25.3	72.2	1.8	0.7	71.2	76.7
Kazakhstan	900	69.4	30.3	68.6	0.4	0.7	68.5	70.2
Korea, Rep. of	604	89.7	10.3	88.9	0.4	0.4	87.9	91.2
Lithuania	775	79.3	20.5	78.8	0.4	0.2	78.5	80.1
Malaysia	1254	73.4	26.4	72.9	0.2	0.5	73.7	73.1
Malta	564	74.0	25.7	73.1	1.0	0.2	73.7	74.3
Morocco	1239	75.2	23.4	70.9	2.6	3.0	73.2	77.2
New Zealand	566	80.1	19.6	78.9	1.4	0.0	80.4	79.9
Norway (9)	902	85.1	14.3	81.5	2.9	1.3	84.5	85.5
Oman	1180	78.9	20.3	75.8	1.9	2.0	79.0	78.7
Palestinian Nat'l Auth.	926	81.3	18.2	78.9	1.7	1.2	78.9	83.5
Portugal	768	76.3	23.5	76.0	0.5	0.0	74.5	78.1
Qatar	612	73.0	26.6	71.7	1.5	0.2	68.8	76.6
Romania	513	83.0	16.6	80.8	0.6	2.0	85.7	80.2
Saudi Arabia	835	83.3	16.3	81.8	1.4	0.5	80.5	86.0
Singapore	689	87.1	12.9	87.1	0.0	0.0	87.4	86.9
Sweden	723	79.8	19.2	76.1	4.0	0.7	78.2	81.2
Turkiye	711	81.1	18.6	79.6	1.5	0.3	80.5	81.7
United Arab Emirates	4672	81.1	18.6	79.6	0.9	1.0	80.4	81.8
United States	1143	77.6	22.1	76.5	0.2	1.1	76.2	79.2
Uzbekistan	619	70.1	28.7	67.4	1.8	2.1	66.1	73.9
International Avg. (40)	37971	79.3	20.2	77.6	1.5	0.7	78.2	80.3
Abu Dhabi, UAE	1724	79.6	20.0	77.9	1.0	1.1	80.0	79.2
Dubai, UAE	1152	85.5	14.2	84.3	0.7	0.7	84.6	86.3
Sharjah, UAE	921	81.2	18.5	79.8	0.6	1.1	79.8	82.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10 ME72140: Shape reflected over dotted line (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	57.6	57.1	42.0	57.1	42.0	0.0	0.9	57.7	57.5
Austria	664	64.4	64.3	35.5	64.3	35.5	0.2	0.0	69.1	59.8
Azerbaijan	898	35.0	34.0	63.0	34.0	63.0	1.1	1.9	34.9	35.2
Bahrain	730	27.1	26.9	72.2	26.9	72.2	0.3	0.6	32.5	21.8
Brazil	3221	15.2	14.6	81.2	14.6	81.2	1.4	2.8	17.6	12.9
Chile	634	31.1	30.5	67.7	30.5	67.7	1.4	0.5	32.2	29.9
Chinese Taipei	801	74.6	74.6	25.3	74.6	25.3	0.0	0.0	76.8	72.8
Cyprus	599	44.2	43.9	55.4	43.9	55.4	0.2	0.5	47.9	40.6
Czech Republic	1154	53.9	53.8	46.0	53.8	46.0	0.1	0.1	55.8	52.1
England	594	59.2	58.7	40.4	58.7	40.4	0.3	0.6	58.3	60.3
Finland	833	60.5	59.8	39.1	59.8	39.1	0.5	0.6	69.9	50.6
France	637	63.7	62.9	35.9	62.9	35.9	0.8	0.4	74.6	54.4
Georgia	694	28.1	27.6	70.5	27.6	70.5	1.1	0.9	32.3	24.5
Hong Kong SAR	631	65.6	65.1	34.1	65.1	34.1	0.3	0.5	70.5	61.1
Hungary	773	58.9	58.9	41.1	58.9	41.1	0.0	0.0	64.1	53.7
Ireland	733	50.1	50.0	49.7	50.0	49.7	0.0	0.3	55.5	45.4
Israel	746	39.8	39.1	59.2	39.1	59.2	1.0	0.7	43.0	36.7
Italy	654	49.2	48.6	50.1	48.6	50.1	0.1	1.2	51.4	47.1
Japan	575	76.3	75.9	23.6	75.9	23.6	0.3	0.2	79.5	73.2
Jordan	1008	6.9	6.8	91.4	6.8	91.4	0.7	1.2	10.3	3.8
Kazakhstan	900	24.9	24.4	73.5	24.4	73.5	1.3	0.9	28.4	21.9
Korea, Rep. of	604	69.3	69.0	30.5	69.0	30.5	0.0	0.4	74.2	65.1
Lithuania	775	60.3	60.2	39.6	60.2	39.6	0.0	0.2	64.2	56.6
Malaysia	1254	24.9	24.7	74.4	24.7	74.4	0.2	0.7	26.4	23.2
Malta	564	51.2	51.1	48.7	51.1	48.7	0.0	0.2	55.5	46.9
Morocco	1239	25.7	24.3	70.0	24.3	70.0	1.4	4.3	27.4	24.0
New Zealand	567	57.9	57.6	42.0	57.6	42.0	0.4	0.0	60.0	56.3
Norway (9)	902	56.7	55.8	42.7	55.8	42.7	0.2	1.4	60.8	53.1
Oman	1180	27.1	26.1	70.3	26.1	70.3	0.7	2.9	30.9	23.5
Palestinian Nat'l Auth.	926	9.9	9.6	87.6	9.6	87.6	1.0	1.9	11.8	8.0
Portugal	768	52.4	52.3	47.5	52.3	47.5	0.3	0.0	51.6	53.2
Qatar	612	35.2	35.1	64.4	35.1	64.4	0.2	0.3	38.1	32.7
Romania	513	28.3	27.7	70.3	27.7	70.3	0.0	2.0	31.5	25.0
Saudi Arabia	835	18.9	18.6	79.7	18.6	79.7	0.4	1.4	21.5	16.5
Singapore	689	65.5	65.5	34.5	65.5	34.5	0.0	0.0	62.8	67.8
Sweden	723	52.1	50.9	46.9	50.9	46.9	0.9	1.4	55.8	48.8
Turkiye	711	49.2	49.0	50.6	49.0	50.6	0.1	0.3	55.6	43.0
United Arab Emirates	4671	43.6	43.0	55.6	43.0	55.6	0.4	1.1	45.8	41.5
United States	1143	52.1	51.5	47.3	51.5	47.3	0.0	1.2	55.6	48.7
Uzbekistan	619	8.4	8.0	87.4	8.0	87.4	1.7	2.8	7.1	9.7
International Avg. (40)	37970	44.4	43.9	54.7	43.9	54.7	0.5	0.9	47.5	41.5
Abu Dhabi, UAE	1724	34.0	33.5	64.9	33.5	64.9	0.4	1.2	37.5	30.6
Dubai, UAE	1151	59.5	58.8	40.1	58.8	40.1	0.3	0.9	59.9	59.0
Sharjah, UAE	921	46.2	45.6	53.1	45.6	53.1	0.1	1.2	47.7	44.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10A ME72140A: Shape reflected over dotted line - A - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	85.1	14.8	84.3	0.0	0.9	84.7	85.5
Austria	664	89.0	10.9	88.9	0.2	0.0	89.0	89.1
Azerbaijan	898	71.0	28.2	68.8	1.1	1.9	72.0	70.1
Bahrain	730	64.4	35.3	63.8	0.3	0.6	67.2	61.6
Brazil	3221	52.2	45.8	50.0	1.4	2.8	55.4	48.9
Chile	634	61.7	37.6	60.6	1.4	0.5	61.3	62.2
Chinese Taipei	801	89.5	10.5	89.5	0.0	0.0	88.2	90.6
Cyprus	599	74.6	25.2	74.1	0.2	0.5	77.8	71.5
Czech Republic	1154	84.6	15.4	84.4	0.1	0.1	84.7	84.5
England	594	89.1	10.8	88.4	0.3	0.6	86.6	92.1
Finland	833	90.4	9.5	89.4	0.5	0.6	93.2	87.5
France	637	83.6	16.2	82.6	0.8	0.4	88.3	79.6
Georgia	694	69.7	29.7	68.4	1.1	0.9	71.2	68.4
Hong Kong SAR	631	90.8	9.1	90.1	0.3	0.5	90.6	91.0
Hungary	773	86.8	13.2	86.8	0.0	0.0	87.1	86.6
Ireland	733	78.2	21.8	77.9	0.0	0.3	79.7	76.8
Israel	746	73.1	26.5	71.9	1.0	0.7	74.1	72.2
Italy	654	79.0	20.8	77.9	0.1	1.2	77.9	80.0
Japan	575	91.1	8.8	90.6	0.3	0.2	91.6	90.7
Jordan	1008	57.0	42.2	56.0	0.7	1.2	59.5	54.8
Kazakhstan	900	66.1	33.2	64.7	1.3	0.9	70.1	62.6
Korea, Rep. of	604	89.2	10.7	88.8	0.0	0.4	91.1	87.5
Lithuania	775	85.6	14.4	85.4	0.0	0.2	86.4	84.8
Malaysia	1254	57.7	42.0	57.2	0.2	0.7	57.8	57.5
Malta	564	76.6	23.4	76.4	0.0	0.2	79.3	73.8
Morocco	1239	68.5	29.7	64.6	1.4	4.3	71.7	65.3
New Zealand	567	86.9	13.1	86.5	0.4	0.0	84.3	88.7
Norway (9)	902	86.0	13.8	84.6	0.2	1.4	86.1	85.8
Oman	1180	65.2	33.6	62.8	0.7	2.9	66.4	64.1
Palestinian Nat'l Auth.	926	52.8	45.9	51.3	1.0	1.9	54.3	51.3
Portugal	768	76.4	23.5	76.2	0.3	0.0	74.5	78.3
Qatar	612	70.9	28.9	70.6	0.2	0.3	67.2	74.2
Romania	513	68.9	30.5	67.5	0.0	2.0	70.8	67.0
Saudi Arabia	835	63.8	35.6	62.7	0.4	1.4	62.6	64.9
Singapore	689	83.4	16.6	83.4	0.0	0.0	81.4	85.0
Sweden	723	81.9	17.7	80.1	0.9	1.4	81.3	82.4
Turkiye	711	77.9	22.0	77.6	0.1	0.3	81.1	74.8
United Arab Emirates	4671	77.1	22.6	75.9	0.4	1.1	77.7	76.4
United States	1143	85.5	14.4	84.5	0.0	1.2	85.1	85.7
Uzbekistan	619	57.2	40.8	54.7	1.7	2.8	57.8	56.7
International Avg. (40)	37970	76.0	23.6	75.0	0.5	0.9	76.7	75.3
Abu Dhabi, UAE	1724	73.4	26.2	72.3	0.4	1.2	73.4	73.4
Dubai, UAE	1151	84.1	15.7	83.2	0.3	0.9	83.9	84.3
Sharjah, UAE	921	76.3	23.4	75.3	0.1	1.2	76.5	76.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10B ME72140B: Shape reflected over dotted line - B - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	90.5	89.6	9.5	0.0	0.9	91.5	89.5
Austria	664	93.9	93.7	6.1	0.2	0.0	95.4	92.4
Azerbaijan	898	75.7	73.4	23.6	1.1	1.9	74.8	76.4
Bahrain	730	73.2	72.5	26.6	0.3	0.6	77.0	69.3
Brazil	3221	66.3	63.5	32.3	1.4	2.8	68.6	64.0
Chile	634	71.2	69.9	28.2	1.4	0.5	70.8	71.7
Chinese Taipei	801	94.4	94.3	5.6	0.0	0.0	95.6	93.3
Cyprus	599	86.3	85.7	13.6	0.2	0.5	89.4	83.3
Czech Republic	1154	89.8	89.6	10.2	0.1	0.1	89.4	90.1
England	594	95.3	94.5	4.6	0.3	0.6	96.0	94.5
Finland	833	93.9	92.9	6.0	0.5	0.6	96.4	91.3
France	637	94.2	93.1	5.8	0.8	0.4	94.8	93.6
Georgia	694	70.6	69.2	28.9	1.1	0.9	72.3	69.0
Hong Kong SAR	631	87.8	87.1	12.1	0.3	0.5	89.6	86.1
Hungary	773	93.3	93.3	6.7	0.0	0.0	93.2	93.3
Ireland	733	91.9	91.6	8.1	0.0	0.3	94.7	89.5
Israel	746	82.9	81.5	16.8	1.0	0.7	82.1	83.7
Italy	654	87.8	86.6	12.1	0.1	1.2	91.3	84.5
Japan	575	96.0	95.5	4.0	0.3	0.2	95.1	96.8
Jordan	1008	42.2	41.4	56.7	0.7	1.2	42.6	41.9
Kazakhstan	900	64.7	63.3	34.6	1.3	0.9	66.2	63.4
Korea, Rep. of	604	94.0	93.6	6.0	0.0	0.4	95.2	92.9
Lithuania	775	94.0	93.8	6.0	0.0	0.2	95.2	92.8
Malaysia	1254	71.7	71.1	28.0	0.2	0.7	71.5	72.0
Malta	564	93.5	93.4	6.4	0.0	0.2	95.5	91.6
Morocco	1239	64.7	61.0	33.3	1.4	4.3	62.5	66.9
New Zealand	567	91.4	91.1	8.5	0.4	0.0	95.0	88.8
Norway (9)	902	92.6	91.2	7.3	0.2	1.4	94.5	91.0
Oman	1180	66.9	64.5	31.9	0.7	2.9	72.0	62.0
Palestinian Nat'l Auth.	926	50.5	49.0	48.1	1.0	1.9	48.8	52.1
Portugal	768	89.1	88.9	10.8	0.3	0.0	90.6	87.8
Qatar	612	72.6	72.2	27.3	0.2	0.3	76.8	68.9
Romania	513	76.7	75.1	22.8	0.0	2.0	76.2	77.2
Saudi Arabia	835	59.8	58.8	39.5	0.4	1.4	60.1	59.5
Singapore	689	95.1	95.1	4.9	0.0	0.0	95.8	94.5
Sweden	723	93.6	91.5	6.2	0.9	1.4	95.1	92.3
Turkiye	711	90.1	89.7	9.8	0.1	0.3	92.6	87.7
United Arab Emirates	4671	80.6	79.4	19.1	0.4	1.1	82.0	79.2
United States	1143	90.3	89.3	9.6	0.0	1.2	92.7	88.1
Uzbekistan	619	61.5	58.7	36.8	1.7	2.8	62.7	60.3
International Avg. (40)	37970	81.8	80.7	17.9	0.5	0.9	83.0	80.6
Abu Dhabi, UAE	1724	73.8	72.7	25.8	0.4	1.2	76.8	70.8
Dubai, UAE	1151	91.4	90.4	8.5	0.3	0.9	91.8	91.0
Sharjah, UAE	921	81.1	80.0	18.6	0.1	1.2	82.0	80.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10C ME72140C: Shape reflected over dotted line - C - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	81.3	18.6	80.5	0.0	0.9	81.4	81.1
Austria	664	84.7	15.2	84.6	0.2	0.0	87.5	82.0
Azerbaijan	898	80.3	19.1	77.9	1.1	1.9	80.0	80.5
Bahrain	730	66.4	33.3	65.8	0.3	0.6	69.6	63.1
Brazil	3221	48.1	49.7	46.1	1.4	2.8	49.7	46.5
Chile	634	56.2	43.0	55.1	1.4	0.5	57.2	55.0
Chinese Taipei	801	90.7	9.3	90.7	0.0	0.0	92.6	89.1
Cyprus	599	72.4	27.4	72.0	0.2	0.5	76.8	68.2
Czech Republic	1154	74.2	25.7	74.1	0.1	0.1	74.0	74.4
England	594	85.6	14.2	84.9	0.3	0.6	83.3	88.5
Finland	833	87.2	12.7	86.2	0.5	0.6	90.2	84.1
France	637	83.3	16.5	82.3	0.8	0.4	89.1	78.2
Georgia	694	64.5	34.8	63.3	1.1	0.9	64.9	64.3
Hong Kong SAR	631	91.0	8.9	90.3	0.3	0.5	90.0	92.0
Hungary	773	84.2	15.8	84.2	0.0	0.0	85.0	83.3
Ireland	733	81.0	18.9	80.8	0.0	0.3	83.6	78.8
Israel	746	72.4	27.2	71.2	1.0	0.7	79.4	65.8
Italy	654	74.5	25.2	73.5	0.1	1.2	74.5	74.5
Japan	575	89.7	10.2	89.3	0.3	0.2	88.7	90.7
Jordan	1008	51.8	47.3	50.8	0.7	1.2	54.1	49.7
Kazakhstan	900	60.7	38.4	59.4	1.3	0.9	63.1	58.7
Korea, Rep. of	604	86.2	13.8	85.8	0.0	0.4	89.4	83.3
Lithuania	775	85.5	14.5	85.3	0.0	0.2	88.4	82.7
Malaysia	1254	54.5	45.1	54.1	0.2	0.7	55.4	53.5
Malta	564	77.2	22.8	77.0	0.0	0.2	82.3	72.0
Morocco	1239	75.0	23.6	70.7	1.4	4.3	80.0	69.8
New Zealand	567	86.1	13.9	85.7	0.4	0.0	86.3	85.9
Norway (9)	902	84.1	15.7	82.8	0.2	1.4	87.3	81.2
Oman	1180	72.6	26.4	70.1	0.7	2.9	74.5	70.9
Palestinian Nat'l Auth.	926	49.1	49.5	47.7	1.0	1.9	50.1	48.1
Portugal	768	77.5	22.5	77.3	0.3	0.0	78.6	76.4
Qatar	612	72.3	27.6	71.9	0.2	0.3	69.4	74.7
Romania	513	65.0	34.3	63.7	0.0	2.0	69.0	60.9
Saudi Arabia	835	64.2	35.2	63.1	0.4	1.4	66.4	62.1
Singapore	689	81.7	18.3	81.7	0.0	0.0	83.0	80.6
Sweden	723	81.6	18.0	79.7	0.9	1.4	82.7	80.6
Turkiye	711	79.7	20.3	79.3	0.1	0.3	84.4	75.0
United Arab Emirates	4671	77.1	22.5	76.0	0.4	1.1	79.7	74.6
United States	1143	82.1	17.7	81.1	0.0	1.2	83.4	80.9
Uzbekistan	619	56.3	41.7	53.8	1.7	2.8	54.7	57.8
International Avg. (40)	37970	74.7	24.9	73.7	0.5	0.9	76.5	73.0
Abu Dhabi, UAE	1724	74.4	25.2	73.3	0.4	1.2	76.0	72.9
Dubai, UAE	1151	82.8	17.0	81.9	0.3	0.9	84.5	81.2
Sharjah, UAE	921	75.1	24.5	74.1	0.1	1.2	78.9	71.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10D ME72140D: Shape reflected over dotted line - D - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	89.4	88.6	10.5	0.0	0.9	90.1	88.9
Austria	664	93.6	93.4	6.4	0.2	0.0	95.6	91.6
Azerbaijan	898	84.4	81.8	15.2	1.1	1.9	86.4	82.6
Bahrain	730	76.9	76.3	22.8	0.3	0.6	78.5	75.4
Brazil	3221	67.7	64.9	30.9	1.4	2.8	71.0	64.4
Chile	634	67.3	66.0	32.1	1.4	0.5	67.1	67.4
Chinese Taipei	801	95.2	95.2	4.8	0.0	0.0	95.7	94.8
Cyprus	599	89.8	89.2	10.2	0.2	0.5	94.1	85.5
Czech Republic	1154	88.7	88.5	11.3	0.1	0.1	88.9	88.5
England	594	94.0	93.2	5.9	0.3	0.6	94.9	93.0
Finland	833	93.4	92.4	6.5	0.5	0.6	95.4	91.3
France	637	92.5	91.5	7.4	0.8	0.4	94.5	90.8
Georgia	694	73.2	71.7	26.3	1.1	0.9	73.7	72.7
Hong Kong SAR	631	89.6	88.8	10.3	0.3	0.5	90.7	88.6
Hungary	773	91.8	91.8	8.2	0.0	0.0	93.4	90.2
Ireland	733	93.2	92.9	6.7	0.0	0.3	95.3	91.4
Israel	746	81.0	79.7	18.7	1.0	0.7	82.1	80.0
Italy	654	84.7	83.6	15.1	0.1	1.2	87.2	82.3
Japan	575	93.8	93.3	6.1	0.3	0.2	94.2	93.4
Jordan	1008	52.3	51.3	46.8	0.7	1.2	50.9	53.6
Kazakhstan	900	68.1	66.6	31.2	1.3	0.9	69.0	67.4
Korea, Rep. of	604	92.7	92.3	7.2	0.0	0.4	94.1	91.6
Lithuania	775	92.8	92.6	7.1	0.0	0.2	95.3	90.5
Malaysia	1254	83.5	82.8	16.4	0.2	0.7	83.0	84.0
Malta	564	92.5	92.4	7.4	0.0	0.2	93.6	91.4
Morocco	1239	68.1	64.3	30.0	1.4	4.3	68.2	68.1
New Zealand	567	92.7	92.3	7.3	0.4	0.0	92.8	92.6
Norway (9)	902	91.0	89.6	8.9	0.2	1.4	92.8	89.4
Oman	1180	70.8	68.3	28.2	0.7	2.9	76.1	65.8
Palestinian Nat'l Auth.	926	56.0	54.4	42.7	1.0	1.9	57.1	55.0
Portugal	768	86.2	85.9	13.8	0.3	0.0	88.3	84.1
Qatar	612	76.7	76.3	23.2	0.2	0.3	78.9	74.8
Romania	513	79.6	78.0	20.0	0.0	2.0	80.4	78.8
Saudi Arabia	835	67.5	66.3	31.9	0.4	1.4	68.3	66.7
Singapore	689	95.0	95.0	5.0	0.0	0.0	95.9	94.3
Sweden	723	91.5	89.4	8.4	0.9	1.4	93.0	90.1
Turkiye	711	87.6	87.2	12.4	0.1	0.3	89.8	85.5
United Arab Emirates	4671	82.6	81.4	17.1	0.4	1.1	84.0	81.2
United States	1143	88.7	87.7	11.1	0.0	1.2	92.1	85.5
Uzbekistan	619	67.5	64.4	31.0	1.7	2.8	65.4	69.5
International Avg. (40)	37970	83.1	82.0	16.6	0.5	0.9	84.4	81.8
Abu Dhabi, UAE	1724	77.5	76.3	22.1	0.4	1.2	80.3	74.8
Dubai, UAE	1151	92.0	90.9	7.9	0.3	0.9	93.1	90.9
Sharjah, UAE	921	82.3	81.2	17.5	0.1	1.2	80.6	84.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10E ME72140E: Shape reflected over dotted line - E - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	78.7	21.1	78.0	0.0	0.9	78.7	78.7
Austria	664	80.3	19.6	80.2	0.2	0.0	83.2	77.6
Azerbaijan	898	78.2	21.1	75.9	1.1	1.9	77.5	78.8
Bahrain	730	63.4	36.3	62.8	0.3	0.6	69.2	57.6
Brazil	3221	51.8	46.2	49.6	1.4	2.8	53.4	50.2
Chile	634	63.9	35.5	62.7	1.4	0.5	66.2	61.4
Chinese Taipei	801	92.3	7.7	92.3	0.0	0.0	94.8	90.2
Cyprus	599	74.5	25.3	74.0	0.2	0.5	76.7	72.4
Czech Republic	1154	74.2	25.7	74.0	0.1	0.1	75.6	72.9
England	594	77.4	22.4	76.8	0.3	0.6	78.6	76.0
Finland	833	75.0	24.7	74.2	0.5	0.6	80.5	69.3
France	637	83.7	16.2	82.7	0.8	0.4	89.4	78.7
Georgia	694	75.4	24.1	73.9	1.1	0.9	76.3	74.6
Hong Kong SAR	631	87.8	12.1	87.1	0.3	0.5	90.6	85.3
Hungary	773	80.8	19.2	80.8	0.0	0.0	83.4	78.2
Ireland	733	76.4	23.5	76.2	0.0	0.3	80.2	73.0
Israel	746	71.4	28.2	70.2	1.0	0.7	74.0	68.9
Italy	654	76.8	22.9	75.8	0.1	1.2	81.2	72.7
Japan	575	88.8	11.1	88.4	0.3	0.2	91.8	85.9
Jordan	1008	43.9	55.0	43.1	0.7	1.2	49.5	38.8
Kazakhstan	900	59.7	39.4	58.4	1.3	0.9	60.5	59.1
Korea, Rep. of	604	92.9	7.1	92.5	0.0	0.4	95.7	90.4
Lithuania	775	80.5	19.5	80.3	0.0	0.2	81.8	79.2
Malaysia	1254	57.5	42.1	57.1	0.2	0.7	60.1	54.7
Malta	564	77.1	22.8	77.0	0.0	0.2	80.5	73.7
Morocco	1239	73.8	24.7	69.6	1.4	4.3	73.4	74.2
New Zealand	567	80.3	19.6	80.0	0.4	0.0	86.3	75.8
Norway (9)	902	75.9	23.8	74.7	0.2	1.4	80.0	72.2
Oman	1180	75.8	23.3	73.1	0.7	2.9	81.5	70.5
Palestinian Nat'l Auth.	926	48.9	49.6	47.6	1.0	1.9	53.3	44.6
Portugal	768	81.4	18.6	81.2	0.3	0.0	82.2	80.6
Qatar	612	68.2	31.6	67.8	0.2	0.3	76.6	60.9
Romania	513	75.8	23.7	74.3	0.0	2.0	80.3	71.4
Saudi Arabia	835	61.6	37.8	60.5	0.4	1.4	69.8	53.9
Singapore	689	84.8	15.2	84.8	0.0	0.0	82.5	86.8
Sweden	723	78.9	20.6	77.1	0.9	1.4	80.9	77.2
Turkiye	711	73.0	26.9	72.7	0.1	0.3	76.8	69.2
United Arab Emirates	4671	76.5	23.2	75.4	0.4	1.1	79.2	73.8
United States	1143	78.4	21.3	77.5	0.0	1.2	80.0	76.9
Uzbekistan	619	57.0	41.0	54.4	1.7	2.8	54.9	59.0
International Avg. (40)	37970	73.8	25.7	72.9	0.5	0.9	76.7	71.1
Abu Dhabi, UAE	1724	73.8	25.8	72.6	0.4	1.2	76.8	70.7
Dubai, UAE	1151	83.3	16.5	82.4	0.3	0.9	84.3	82.3
Sharjah, UAE	921	76.6	23.1	75.5	0.1	1.2	80.7	72.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_MM3_10F ME72140F: Shape reflected over dotted line - F - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	87.1	86.3	12.7	0.0	0.9	86.0	88.1
Austria	664	90.4	90.3	9.6	0.2	0.0	92.8	88.2
Azerbaijan	898	61.8	59.9	37.1	1.1	1.9	60.5	62.8
Bahrain	730	71.9	71.3	27.8	0.3	0.6	78.8	65.1
Brazil	3221	63.1	60.5	35.3	1.4	2.8	64.3	61.9
Chile	634	65.0	63.8	34.4	1.4	0.5	66.1	63.7
Chinese Taipei	801	90.2	90.2	9.8	0.0	0.0	93.0	87.8
Cyprus	599	81.1	80.6	18.7	0.2	0.5	86.6	75.8
Czech Republic	1154	81.7	81.5	18.3	0.1	0.1	81.9	81.5
England	594	90.5	89.7	9.4	0.3	0.6	92.1	88.6
Finland	833	89.9	88.9	10.0	0.5	0.6	93.9	85.6
France	637	91.3	90.3	8.6	0.8	0.4	95.3	87.9
Georgia	694	70.8	69.5	28.6	1.1	0.9	77.2	65.3
Hong Kong SAR	631	87.0	86.3	12.9	0.3	0.5	88.3	85.8
Hungary	773	85.7	85.7	14.3	0.0	0.0	87.5	83.9
Ireland	733	86.3	86.0	13.7	0.0	0.3	89.1	83.8
Israel	746	78.5	77.2	21.1	1.0	0.7	83.6	73.8
Italy	654	83.1	82.0	16.7	0.1	1.2	84.9	81.4
Japan	575	92.5	92.0	7.5	0.3	0.2	94.8	90.2
Jordan	1008	50.3	49.4	48.7	0.7	1.2	52.2	48.7
Kazakhstan	900	67.6	66.2	31.7	1.3	0.9	68.7	66.7
Korea, Rep. of	604	85.9	85.6	14.0	0.0	0.4	88.9	83.3
Lithuania	775	87.4	87.2	12.5	0.0	0.2	91.4	83.6
Malaysia	1254	75.1	74.5	24.6	0.2	0.7	76.0	74.1
Malta	564	89.4	89.2	10.6	0.0	0.2	90.4	88.3
Morocco	1239	65.5	61.8	32.5	1.4	4.3	66.3	64.7
New Zealand	567	86.9	86.6	13.0	0.4	0.0	89.0	85.3
Norway (9)	902	89.3	87.9	10.5	0.2	1.4	90.9	87.9
Oman	1180	65.3	62.9	33.5	0.7	2.9	69.1	61.6
Palestinian Nat'l Auth.	926	54.8	53.3	43.9	1.0	1.9	54.6	55.1
Portugal	768	83.7	83.5	16.2	0.3	0.0	85.9	81.7
Qatar	612	71.3	71.0	28.5	0.2	0.3	75.6	67.7
Romania	513	69.4	68.0	30.0	0.0	2.0	67.0	71.8
Saudi Arabia	835	59.6	58.5	39.7	0.4	1.4	59.7	59.5
Singapore	689	93.5	93.5	6.5	0.0	0.0	92.9	94.1
Sweden	723	86.3	84.3	13.4	0.9	1.4	88.7	84.1
Turkiye	711	86.3	85.9	13.6	0.1	0.3	89.5	83.2
United Arab Emirates	4671	76.2	75.1	23.5	0.4	1.1	78.1	74.2
United States	1143	83.8	82.8	16.0	0.0	1.2	85.6	81.9
Uzbekistan	619	46.5	44.4	51.1	1.7	2.8	48.5	44.6
International Avg. (40)	37970	78.1	77.1	21.5	0.5	0.9	80.1	76.1
Abu Dhabi, UAE	1724	69.1	68.0	30.4	0.4	1.2	71.8	66.3
Dubai, UAE	1151	87.0	86.0	12.8	0.3	0.9	88.0	86.1
Sharjah, UAE	921	78.4	77.4	21.3	0.1	1.2	79.9	77.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Reasoning

B_MM3_11 ME72120: Value of angle x with parallel lines a and b - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	16.3	15.4	79.3	15.4	79.3	4.4	0.9	12.2	19.7
Austria	663	5.4	4.7	82.2	4.7	82.2	13.1	0.0	4.5	6.3
Azerbaijan	898	28.8	23.8	58.9	23.8	58.9	15.3	2.0	29.4	28.3
Bahrain	730	9.2	8.7	85.9	8.7	85.9	4.5	0.9	7.9	10.6
Brazil	3220	4.4	3.8	82.6	3.8	82.6	10.4	3.2	3.6	5.2
Chile	634	1.9	1.5	79.1	1.5	79.1	18.9	0.5	3.0	0.8
Chinese Taipei	801	50.0	49.2	49.1	49.2	49.1	1.7	0.0	50.8	49.3
Cyprus	599	21.9	19.9	71.1	19.9	71.1	8.5	0.5	20.7	23.1
Czech Republic	1153	16.9	15.4	75.6	15.4	75.6	8.9	0.1	14.2	19.4
England	594	26.4	24.2	67.5	24.2	67.5	7.7	0.6	24.2	29.0
Finland	832	12.9	11.9	79.8	11.9	79.8	7.8	0.6	13.9	12.0
France	636	10.6	8.9	75.1	8.9	75.1	15.6	0.4	11.4	9.9
Georgia	694	19.6	15.8	64.6	15.8	64.6	18.4	1.2	17.6	21.3
Hong Kong SAR	631	58.4	56.8	40.4	56.8	40.4	2.3	0.5	59.8	57.1
Hungary	773	11.5	11.1	85.3	11.1	85.3	3.6	0.0	9.7	13.3
Ireland	733	12.5	11.5	80.2	11.5	80.2	8.0	0.3	10.0	14.6
Israel	746	26.6	23.9	65.9	23.9	65.9	9.4	0.8	24.6	28.4
Italy	655	8.0	7.0	80.0	7.0	80.0	11.8	1.2	10.7	5.6
Japan	575	76.2	75.0	23.5	75.0	23.5	1.4	0.2	72.8	79.4
Jordan	1007	7.3	7.0	89.3	7.0	89.3	2.3	1.4	7.5	7.1
Kazakhstan	900	16.8	15.3	76.0	15.3	76.0	7.6	1.0	15.7	17.7
Korea, Rep. of	604	69.3	67.6	29.9	67.6	29.9	2.0	0.4	68.7	69.9
Lithuania	775	21.7	20.2	73.0	20.2	73.0	6.6	0.2	20.2	23.1
Malaysia	1254	8.2	8.1	89.9	8.1	89.9	1.3	0.7	8.1	8.4
Malta	564	30.7	28.4	64.1	28.4	64.1	7.3	0.2	30.3	31.1
Morocco	1239	7.8	6.6	78.8	6.6	78.8	9.8	4.7	7.2	8.3
New Zealand	567	15.8	14.9	79.2	14.9	79.2	5.9	0.0	12.2	18.3
Norway (9)	902	8.6	7.5	80.2	7.5	80.2	10.9	1.4	7.9	9.1
Oman	1180	14.6	13.6	80.0	13.6	80.0	3.2	3.1	15.4	13.8
Palestinian Nat'l Auth.	926	5.8	5.5	89.8	5.5	89.8	2.6	2.2	7.0	4.5
Portugal	768	16.1	15.0	78.5	15.0	78.5	6.4	0.0	15.9	16.2
Qatar	612	15.6	14.8	80.6	14.8	80.6	4.3	0.3	13.6	17.3
Romania	513	32.2	30.0	63.3	30.0	63.3	4.7	2.0	33.1	31.3
Saudi Arabia	832	6.6	6.3	89.7	6.3	89.7	2.4	1.5	9.3	4.0
Singapore	689	71.9	71.7	28.0	71.7	28.0	0.3	0.0	71.4	72.4
Sweden	722	12.0	10.6	77.6	10.6	77.6	10.3	1.5	10.1	13.6
Turkiye	711	29.7	27.2	64.2	27.2	64.2	8.2	0.3	30.1	29.4
United Arab Emirates	4671	26.7	25.6	70.0	25.6	70.0	3.3	1.2	25.5	27.9
United States	1143	9.4	9.1	87.7	9.1	87.7	2.0	1.2	7.9	11.0
Uzbekistan	619	12.9	11.7	79.1	11.7	79.1	5.9	3.3	12.6	13.2
International Avg. (40)	37960	21.4	20.1	71.9	20.1	71.9	7.0	1.0	20.8	22.0
Abu Dhabi, UAE	1723	18.2	17.2	77.3	17.2	77.3	4.3	1.2	19.6	16.9
Dubai, UAE	1152	41.5	39.7	56.0	39.7	56.0	3.3	1.0	38.3	44.3
Sharjah, UAE	921	27.7	26.8	70.1	26.8	70.1	1.8	1.2	24.0	31.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

B_MM3_12 ME72131: Areas of triangles ABC and ABD - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	7.4	7.2	0.6	89.5	7.2	90.1	1.6	1.1	7.7	7.2
Austria	664	5.3	5.2	0.2	92.9	5.2	93.1	1.2	0.5	5.9	4.8
Azerbaijan	898	4.5	4.1	0.2	86.8	4.1	87.1	5.9	3.0	4.6	4.3
Bahrain	730	3.8	3.7	0.1	93.9	3.7	94.0	1.0	1.2	5.0	2.6
Brazil	3221	0.8	0.7	0.0	92.4	0.7	92.4	3.5	3.4	0.7	0.8
Chile	634	3.7	3.4	0.4	85.8	3.4	86.1	9.7	0.8	3.8	3.7
Chinese Taipei	801	55.6	55.4	0.0	44.2	55.4	44.2	0.4	0.0	58.9	52.8
Cyprus	599	9.2	9.0	0.5	88.4	9.0	88.9	1.7	0.5	9.3	9.1
Czech Republic	1154	5.5	5.3	0.1	92.0	5.3	92.1	2.5	0.1	3.9	7.0
England	594	12.9	12.4	0.3	84.1	12.4	84.3	2.5	0.7	13.1	12.6
Finland	833	8.1	7.9	0.6	89.0	7.9	89.5	2.0	0.6	8.9	7.3
France	637	4.9	4.7	4.1	86.7	4.7	90.8	4.2	0.4	5.9	4.0
Georgia	694	4.7	4.5	0.1	90.9	4.5	91.0	3.2	1.3	4.8	4.7
Hong Kong SAR	631	39.5	38.8	1.7	57.8	38.8	59.5	0.9	0.8	38.5	40.4
Hungary	773	5.6	5.5	0.6	93.0	5.5	93.6	0.8	0.0	4.5	6.6
Ireland	733	7.3	7.2	0.2	90.4	7.2	90.6	1.9	0.3	6.9	7.7
Israel	746	17.1	16.2	0.5	78.3	16.2	78.8	3.6	1.3	15.4	18.7
Italy	655	14.8	14.1	3.4	78.3	14.1	81.6	2.9	1.3	14.8	14.7
Japan	575	60.1	59.4	1.3	38.1	59.4	39.4	1.0	0.2	63.4	56.9
Jordan	1007	1.5	1.5	0.0	96.2	1.5	96.2	0.7	1.7	2.6	0.5
Kazakhstan	900	4.9	4.7	0.6	91.0	4.7	91.6	2.2	1.4	6.9	3.2
Korea, Rep. of	604	53.8	52.8	0.7	44.7	52.8	45.4	1.4	0.4	55.3	52.4
Lithuania	775	7.7	7.6	1.0	89.9	7.6	90.9	1.2	0.2	5.6	9.7
Malaysia	1254	2.3	2.2	0.1	96.3	2.2	96.4	0.4	1.0	2.9	1.6
Malta	564	6.6	6.4	0.4	90.9	6.4	91.3	1.9	0.4	5.6	7.6
Morocco	0	.	.	.	.	.	.	.	.	.	.
New Zealand	566	9.8	9.5	0.2	87.3	9.5	87.5	2.9	0.1	6.8	12.1
Norway (9)	902	12.4	11.7	0.3	82.6	11.7	82.9	3.7	1.7	13.7	11.3
Oman	1180	2.4	2.3	0.1	92.3	2.3	92.4	1.7	3.6	3.4	1.4
Palestinian Nat'l Auth.	922	4.6	4.4	1.5	90.9	4.4	92.4	0.6	2.6	6.3	2.9
Portugal	768	6.9	6.6	0.1	89.7	6.6	89.8	3.5	0.0	6.8	6.9
Qatar	612	7.8	7.6	0.1	89.4	7.6	89.5	1.6	1.3	5.9	9.5
Romania	513	6.3	6.1	8.3	82.4	6.1	90.7	1.3	2.0	5.5	7.0
Saudi Arabia	835	2.5	2.5	0.1	94.8	2.5	94.9	0.9	1.7	3.2	1.9
Singapore	689	57.9	57.9	0.9	41.3	57.9	42.1	0.0	0.0	57.0	58.6
Sweden	723	18.3	17.3	0.5	76.8	17.3	77.2	3.5	1.9	17.5	19.0
Turkiye	710	22.6	21.9	0.3	74.5	21.9	74.7	3.1	0.3	22.9	22.4
United Arab Emirates	4671	11.9	11.5	0.5	84.6	11.5	85.1	1.7	1.7	11.4	12.4
United States	1143	6.3	6.2	0.7	91.2	6.2	91.9	0.5	1.5	6.6	6.0
Uzbekistan	619	0.9	0.9	0.0	93.4	0.9	93.4	1.7	4.0	0.6	1.3
International Avg. (39)	36725	13.3	13.0	0.8	82.9	13.0	83.7	2.2	1.2	13.4	13.2
Abu Dhabi, UAE	1724	6.9	6.7	0.6	89.4	6.7	90.0	1.4	2.0	7.2	6.5
Dubai, UAE	1152	21.3	20.5	0.6	75.0	20.5	75.6	2.7	1.2	19.9	22.4
Sharjah, UAE	921	12.8	12.5	0.6	84.3	12.5	84.9	1.1	1.5	12.8	12.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MM3_13 ME72147: Surface area of rectangular prism - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	15.3	14.8	19.1	63.0	14.8	82.1	1.8	1.3	13.8	16.4
Austria	664	27.0	25.5	10.0	58.8	25.5	68.8	5.1	0.5	25.5	28.5
Azerbaijan	898	12.2	10.5	17.5	58.3	10.5	75.9	10.6	3.0	10.5	13.5
Bahrain	729	5.2	5.0	17.1	74.2	5.0	91.3	2.5	1.3	7.1	3.3
Brazil	3220	0.7	0.7	6.6	83.2	0.7	89.8	5.8	3.7	0.6	0.9
Chile	634	3.7	3.2	9.2	73.6	3.2	82.7	12.6	1.4	2.9	4.6
Chinese Taipei	801	50.0	49.8	22.6	27.1	49.8	49.7	0.5	0.0	49.1	50.8
Cyprus	599	6.2	5.8	17.6	71.1	5.8	88.7	4.9	0.5	3.8	8.5
Czech Republic	1154	21.0	19.0	14.8	56.7	19.0	71.5	9.5	0.1	18.3	23.4
England	594	20.1	19.2	25.5	50.8	19.2	76.3	3.7	0.7	19.0	21.5
Finland	832	20.5	19.4	11.9	63.5	19.4	75.4	4.6	0.6	21.5	19.5
France	636	4.3	4.0	24.1	63.3	4.0	87.4	8.0	0.6	5.6	3.3
Georgia	693	7.7	6.7	12.1	68.3	6.7	80.4	11.3	1.6	8.9	6.8
Hong Kong SAR	631	45.3	44.3	22.1	31.4	44.3	53.5	1.5	0.8	45.0	45.6
Hungary	772	21.9	20.6	13.2	60.4	20.6	73.5	5.8	0.0	15.6	28.0
Ireland	733	18.1	17.6	33.9	45.7	17.6	79.7	2.4	0.3	16.0	19.9
Israel	746	7.8	7.3	25.2	60.9	7.3	86.1	5.1	1.4	6.3	9.3
Italy	655	18.8	16.4	13.3	57.6	16.4	70.9	11.4	1.3	21.2	16.5
Japan	575	47.7	46.7	24.3	27.0	46.7	51.2	1.9	0.2	47.8	47.6
Jordan	1008	1.2	1.2	12.6	82.0	1.2	94.6	2.2	2.1	0.8	1.6
Kazakhstan	899	3.7	3.5	13.7	77.5	3.5	91.2	3.7	1.6	4.4	3.2
Korea, Rep. of	603	46.9	45.7	17.5	34.3	45.7	51.8	1.9	0.6	48.3	45.7
Lithuania	775	23.9	23.3	13.7	60.4	23.3	74.0	2.5	0.2	24.1	23.8
Malaysia	1254	3.8	3.7	14.1	79.7	3.7	93.8	1.3	1.2	3.6	3.9
Malta	564	12.4	12.1	26.7	58.5	12.1	85.2	2.4	0.4	10.2	14.6
Morocco	1238	0.7	0.6	13.0	73.9	0.6	86.9	6.1	6.4	0.0	1.4
New Zealand	567	10.9	10.6	17.3	69.5	10.6	86.9	2.4	0.1	9.9	11.7
Norway (9)	901	19.0	17.7	8.2	67.2	17.7	75.4	5.2	1.7	17.0	20.9
Oman	1180	4.1	3.8	9.5	80.3	3.8	89.8	2.4	4.0	3.5	4.6
Palestinian Nat'l Auth.	925	1.6	1.5	16.5	76.7	1.5	93.2	2.6	2.7	1.8	1.4
Portugal	768	8.3	7.9	12.3	74.7	7.9	87.0	5.1	0.0	7.0	9.5
Qatar	611	8.8	8.5	22.6	65.2	8.5	87.7	2.5	1.3	6.4	11.0
Romania	513	15.0	13.5	20.2	56.6	13.5	76.8	7.7	2.0	18.0	12.1
Saudi Arabia	835	0.9	0.9	16.0	79.8	0.9	95.8	1.3	2.1	0.8	0.9
Singapore	689	51.0	50.9	24.4	24.5	50.9	48.9	0.1	0.0	48.1	53.5
Sweden	723	26.6	24.0	18.8	47.6	24.0	66.4	7.6	1.9	26.3	26.8
Turkiye	711	10.8	10.4	17.8	68.7	10.4	86.4	2.8	0.3	9.8	11.7
United Arab Emirates	4668	19.3	18.5	18.9	58.1	18.5	77.0	2.5	2.1	17.4	21.2
United States	1143	15.0	14.7	24.8	58.2	14.7	83.0	0.7	1.6	15.7	14.4
Uzbekistan	619	5.4	5.0	14.0	72.9	5.0	86.9	3.9	4.3	6.3	4.6
International Avg. (40)	37956	16.1	15.4	17.3	61.5	15.4	78.8	4.4	1.4	15.4	16.7
Abu Dhabi, UAE	1722	10.0	9.6	19.1	67.0	9.6	86.0	2.0	2.4	10.1	9.9
Dubai, UAE	1151	31.7	30.2	20.2	44.7	30.2	64.9	3.0	1.9	27.8	35.4
Sharjah, UAE	921	23.9	22.8	17.7	55.0	22.8	72.7	2.7	1.8	21.4	26.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MM3_14 ME72154: Bar graph of Internet users in world - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	64.4	7.6	14.4	63.2	13.0	0.2	1.5	60.8	67.6
Austria	664	71.5	5.0	11.4	70.9	11.8	0.3	0.5	71.9	71.2
Azerbaijan	898	55.7	8.7	22.0	53.2	11.7	1.2	3.3	53.9	57.1
Bahrain	730	43.0	9.1	23.9	42.0	22.8	0.6	1.6	40.9	45.0
Brazil	3221	39.9	13.3	21.3	37.5	21.9	1.9	4.2	36.9	43.0
Chile	634	46.3	8.3	20.3	45.0	23.5	1.1	1.8	40.9	52.1
Chinese Taipei	801	86.6	3.6	5.5	86.4	4.2	0.2	0.0	87.5	85.8
Cyprus	599	65.7	7.6	15.1	65.1	11.3	0.5	0.5	63.1	68.3
Czech Republic	1154	75.4	2.3	9.0	74.9	13.1	0.4	0.3	72.7	78.1
England	594	64.9	4.0	15.9	63.8	14.6	0.7	0.9	60.0	70.7
Finland	833	70.5	5.9	10.3	69.6	13.0	0.7	0.6	70.6	70.4
France	637	62.3	6.2	15.8	61.3	15.2	0.5	1.0	60.0	64.1
Georgia	694	49.9	7.0	18.9	48.5	22.7	1.0	2.0	44.9	54.2
Hong Kong SAR	631	85.1	2.9	7.3	83.5	4.3	0.9	1.0	82.8	87.2
Hungary	773	72.1	2.8	13.6	72.1	11.5	0.1	0.0	73.1	71.1
Ireland	733	68.4	5.9	10.0	67.8	15.4	0.5	0.3	65.9	70.6
Israel	746	61.3	7.8	14.2	59.6	15.7	0.9	1.9	57.2	65.1
Italy	655	71.3	5.1	12.4	70.2	10.8	0.0	1.5	64.2	78.1
Japan	575	88.4	1.7	4.5	88.2	5.4	0.0	0.2	86.7	90.0
Jordan	1008	35.4	12.3	27.8	34.3	22.5	0.6	2.5	31.9	38.6
Kazakhstan	900	56.4	7.9	16.2	54.5	18.1	1.6	1.8	50.3	61.5
Korea, Rep. of	604	80.3	2.7	9.0	79.6	7.9	0.1	0.6	77.7	82.5
Lithuania	775	73.2	2.7	9.2	72.9	14.9	0.1	0.2	68.2	77.9
Malaysia	1254	48.6	9.1	23.1	47.3	17.7	0.7	2.1	48.9	48.3
Malta	564	60.3	7.8	14.5	59.9	17.1	0.3	0.4	58.2	62.4
Morocco	1239	33.1	15.2	27.2	29.9	18.0	1.6	8.1	31.8	34.4
New Zealand	567	61.2	6.3	15.5	60.9	16.7	0.3	0.3	54.9	65.9
Norway (9)	902	68.4	6.6	11.5	66.7	12.7	0.4	2.0	68.1	68.6
Oman	1180	37.7	12.5	28.6	35.5	17.6	0.6	5.2	31.7	43.3
Palestinian Nat'l Auth.	926	31.0	15.4	25.9	29.7	25.0	0.8	3.2	28.1	33.7
Portugal	768	64.6	5.2	12.6	63.9	17.2	1.1	0.1	59.2	69.7
Qatar	612	49.2	8.0	18.2	47.8	23.1	1.3	1.7	48.9	49.5
Romania	513	66.4	8.3	12.0	64.1	12.3	0.9	2.4	64.2	68.5
Saudi Arabia	835	39.2	15.0	24.8	38.0	19.1	0.5	2.5	36.2	42.1
Singapore	689	85.1	3.6	6.9	85.1	4.3	0.0	0.0	83.9	86.2
Sweden	723	73.4	4.8	9.8	70.4	11.0	1.6	2.4	76.5	70.8
Turkiye	711	66.6	6.6	12.8	66.3	13.8	0.1	0.3	63.4	69.8
United Arab Emirates	4672	55.8	7.8	17.4	53.8	17.4	0.9	2.7	51.9	59.6
United States	1143	60.0	5.7	17.2	58.4	16.1	0.7	1.9	56.2	63.7
Uzbekistan	619	40.4	12.6	20.2	37.9	23.1	0.9	5.3	31.5	48.7
International Avg. (40)	37972	60.7	7.3	15.7	59.5	15.2	0.7	1.7	57.9	63.4
Abu Dhabi, UAE	1724	50.5	9.3	20.5	48.4	17.6	1.1	3.0	48.5	52.4
Dubai, UAE	1152	67.3	5.3	11.0	65.2	15.3	0.6	2.5	62.1	72.0
Sharjah, UAE	921	56.4	7.6	17.7	54.2	16.6	1.1	2.7	50.7	61.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MM3_15 ME72192: Graph that best shows favorite fruit - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	63.0	61.5	20.5	4.6	11.0	0.6	1.7	64.6	61.4
Austria	664	68.6	67.5	21.8	2.4	6.7	1.0	0.7	71.2	66.1
Azerbaijan	898	42.0	39.2	31.0	8.4	14.9	3.0	3.5	41.2	42.6
Bahrain	730	43.5	42.2	34.3	8.0	12.5	0.8	2.2	44.3	42.7
Brazil	3221	39.3	36.9	33.6	7.7	15.7	1.3	4.9	37.5	41.0
Chile	634	38.2	37.1	41.0	7.7	11.3	0.8	2.1	38.9	37.5
Chinese Taipei	801	67.5	67.4	21.5	4.8	6.1	0.2	0.0	67.4	67.6
Cyprus	599	55.2	54.3	26.5	4.6	13.0	1.0	0.6	58.3	52.2
Czech Republic	1154	57.5	56.8	28.0	4.0	9.9	0.9	0.3	55.1	59.9
England	594	64.3	62.6	23.9	2.7	8.2	1.8	0.9	63.4	65.4
Finland	833	59.1	57.3	25.1	3.6	11.0	2.4	0.7	61.3	56.7
France	637	57.1	56.0	28.9	4.4	8.8	0.7	1.2	58.7	55.8
Georgia	694	39.5	38.2	38.0	5.8	14.5	1.4	2.1	42.1	37.4
Hong Kong SAR	631	66.4	65.7	21.4	3.7	8.2	0.1	1.0	64.0	68.5
Hungary	773	62.9	62.9	24.2	4.1	8.7	0.0	0.1	62.6	63.3
Ireland	733	67.2	66.6	23.1	3.0	6.3	0.5	0.5	67.8	66.8
Israel	746	57.2	55.5	28.5	4.7	8.2	0.8	2.2	55.8	58.6
Italy	655	44.0	43.0	36.9	4.9	12.8	0.8	1.5	47.0	41.1
Japan	575	74.7	74.4	20.1	3.2	2.0	0.2	0.2	73.3	76.0
Jordan	1008	37.9	36.7	34.5	7.3	18.4	0.5	2.7	37.0	38.7
Kazakhstan	900	40.7	39.3	35.2	9.1	12.9	1.1	2.4	42.5	39.2
Korea, Rep. of	604	84.5	83.9	9.7	2.4	3.4	0.0	0.6	86.7	82.5
Lithuania	775	53.3	53.1	37.8	2.5	6.3	0.1	0.2	58.3	48.4
Malaysia	1254	38.0	36.9	41.1	6.3	12.7	0.4	2.6	40.2	35.5
Malta	564	48.2	47.3	34.2	5.3	11.3	1.6	0.4	48.6	47.8
Morocco	1239	41.5	36.8	35.7	6.4	9.8	2.2	9.1	38.0	44.9
New Zealand	567	61.8	60.7	23.3	5.0	9.1	1.6	0.3	59.8	63.3
Norway (9)	902	61.4	59.1	27.5	3.9	5.8	1.7	2.0	64.2	58.8
Oman	1180	39.5	37.2	38.3	7.3	11.3	0.6	5.3	41.1	38.0
Palestinian Nat'l Auth.	926	43.9	41.7	28.6	7.7	16.9	1.4	3.7	44.8	43.1
Portugal	768	47.7	47.4	36.4	2.8	12.8	0.5	0.2	46.5	48.8
Qatar	612	47.4	45.8	34.8	4.7	11.3	1.1	2.3	47.8	47.1
Romania	513	48.5	46.8	30.5	5.3	13.9	1.0	2.5	51.7	45.4
Saudi Arabia	835	41.5	40.1	38.9	6.7	10.9	0.5	2.9	43.1	40.0
Singapore	689	76.0	76.0	16.5	2.5	5.0	0.0	0.0	76.2	75.8
Sweden	723	67.6	64.6	20.4	3.5	7.0	2.0	2.5	68.2	67.2
Turkiye	711	41.0	40.5	39.9	6.5	11.9	0.9	0.3	38.8	43.2
United Arab Emirates	4672	51.6	49.3	29.9	5.9	10.5	1.2	3.2	50.2	52.9
United States	1143	55.0	53.7	32.0	3.3	8.6	0.1	2.4	54.4	55.6
Uzbekistan	619	46.4	42.6	30.8	7.7	10.7	2.1	6.1	46.3	46.4
International Avg. (40)	37972	53.5	52.1	29.6	5.1	10.3	1.0	2.0	54.0	53.1
Abu Dhabi, UAE	1724	44.7	42.3	33.8	7.5	11.1	1.8	3.7	46.2	43.2
Dubai, UAE	1152	62.9	60.7	23.8	3.1	8.9	0.7	2.7	58.7	66.7
Sharjah, UAE	921	52.8	50.7	29.5	6.2	9.7	0.8	3.2	52.2	53.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Reasoning

B_MM3_16 ME72161: Mean heights of basketball team - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1196	29.4	28.6	68.9	28.6	68.9	0.7	1.8	24.9	33.2
Austria	664	30.4	30.1	68.8	30.1	68.8	0.3	0.8	27.0	33.8
Azerbaijan	898	18.6	16.5	72.2	16.5	72.2	7.0	4.3	15.0	21.4
Bahrain	730	15.0	14.3	81.5	14.3	81.5	1.4	2.8	12.6	17.4
Brazil	3221	9.2	8.4	83.5	8.4	83.5	2.5	5.6	4.3	14.0
Chile	634	12.1	11.0	80.3	11.0	80.3	6.3	2.4	8.4	15.9
Chinese Taipei	801	57.2	57.0	42.7	57.0	42.7	0.4	0.0	56.0	58.1
Cyprus	599	26.3	25.7	71.9	25.7	71.9	1.0	1.4	23.2	29.4
Czech Republic	1154	36.8	36.1	62.0	36.1	62.0	1.4	0.5	33.2	40.3
England	594	37.5	36.4	60.8	36.4	60.8	1.8	0.9	33.3	42.3
Finland	833	33.0	32.3	65.6	32.3	65.6	0.8	1.2	32.7	33.3
France	637	22.9	22.3	74.8	22.3	74.8	1.6	1.4	22.9	23.0
Georgia	694	13.8	13.1	81.8	13.1	81.8	2.8	2.3	12.4	15.0
Hong Kong SAR	631	50.5	49.8	48.8	49.8	48.8	0.4	1.0	50.6	50.5
Hungary	773	24.2	24.1	75.5	24.1	75.5	0.3	0.1	22.9	25.5
Ireland	732	37.2	36.7	62.1	36.7	62.1	0.3	0.9	37.6	36.8
Israel	746	32.5	31.4	65.1	31.4	65.1	0.9	2.6	30.3	34.6
Italy	655	27.6	26.7	70.2	26.7	70.2	1.3	1.8	26.0	29.1
Japan	575	57.7	57.4	42.1	57.4	42.1	0.3	0.2	56.2	59.1
Jordan	1007	8.5	8.1	87.8	8.1	87.8	1.0	3.0	8.4	8.5
Kazakhstan	900	16.6	15.8	79.0	15.8	79.0	2.3	2.9	16.5	16.7
Korea, Rep. of	604	53.0	52.4	46.6	52.4	46.6	0.3	0.6	52.5	53.4
Lithuania	775	33.6	33.2	65.6	33.2	65.6	1.0	0.2	28.5	38.6
Malaysia	1254	8.9	8.6	88.1	8.6	88.1	0.5	2.9	7.9	10.0
Malta	564	29.1	28.4	69.1	28.4	69.1	1.6	0.9	23.7	34.7
Morocco	1239	18.8	16.4	70.8	16.4	70.8	2.7	10.1	16.3	21.3
New Zealand	566	32.1	31.4	66.4	31.4	66.4	2.0	0.3	28.7	34.5
Norway (9)	902	34.6	33.3	62.9	33.3	62.9	1.3	2.5	33.6	35.4
Oman	1180	13.0	12.0	80.9	12.0	80.9	1.4	5.7	13.7	12.3
Palestinian Nat'l Auth.	925	7.4	7.0	87.0	7.0	87.0	1.4	4.6	7.6	7.3
Portugal	768	25.6	25.1	73.1	25.1	73.1	1.5	0.3	19.8	31.1
Qatar	612	22.4	21.7	74.9	21.7	74.9	0.9	2.5	17.4	26.8
Romania	513	19.1	18.5	78.5	18.5	78.5	0.3	2.7	18.3	19.8
Saudi Arabia	835	9.2	8.7	86.7	8.7	86.7	1.3	3.3	9.3	9.0
Singapore	689	63.6	63.6	36.4	63.6	36.4	0.0	0.0	61.5	65.4
Sweden	723	39.5	37.7	57.7	37.7	57.7	1.8	2.8	35.8	42.7
Turkiye	710	40.9	40.1	57.9	40.1	57.9	1.5	0.5	39.8	42.0
United Arab Emirates	4671	24.3	23.1	71.8	23.1	71.8	1.2	4.0	22.3	26.3
United States	1143	26.3	25.5	71.6	25.5	71.6	0.5	2.4	24.4	28.2
Uzbekistan	619	9.2	8.4	82.7	8.4	82.7	2.1	6.8	7.1	11.2
International Avg. (40)	37966	27.7	26.9	69.4	26.9	69.4	1.4	2.3	25.6	29.7
Abu Dhabi, UAE	1724	17.2	16.3	78.1	16.3	78.1	0.9	4.7	16.1	18.4
Dubai, UAE	1152	40.1	38.3	57.2	38.3	57.2	1.2	3.3	37.6	42.6
Sharjah, UAE	920	22.3	21.2	73.9	21.2	73.9	1.2	3.7	19.9	24.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_MM4_01 ME72187: Sum of two numbers with exponents - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	41.0	40.2	16.6	41.4	40.2	58.0	1.5	0.3	39.6	42.0
Austria	654	59.4	58.5	6.7	33.2	58.5	40.0	1.4	0.2	60.2	58.7
Azerbaijan	883	67.4	65.9	4.1	27.8	65.9	31.9	2.2	0.0	69.6	65.1
Bahrain	734	38.8	38.4	12.0	48.5	38.4	60.5	0.7	0.4	39.8	37.9
Brazil	3267	22.7	21.8	9.8	64.5	21.8	74.2	4.0	0.0	22.7	22.6
Chile	633	29.9	27.9	9.5	55.9	27.9	65.4	6.4	0.3	24.6	34.2
Chinese Taipei	798	81.8	81.6	1.7	16.5	81.6	18.2	0.2	0.0	80.6	82.9
Cyprus	593	65.9	64.4	1.9	31.4	64.4	33.3	1.6	0.7	65.2	66.6
Czech Republic	1173	62.1	61.6	4.7	32.9	61.6	37.6	0.9	0.0	60.7	63.3
England	620	55.1	52.8	5.5	37.6	52.8	43.1	3.2	0.9	54.4	55.8
Finland	837	57.4	56.2	8.9	32.8	56.2	41.7	2.0	0.1	55.5	59.2
France	632	31.6	30.2	18.5	46.8	30.2	65.3	4.5	0.0	30.9	32.4
Georgia	705	56.4	54.1	5.6	36.2	54.1	41.8	4.1	0.0	54.4	58.6
Hong Kong SAR	638	74.5	74.2	1.9	23.5	74.2	25.4	0.4	0.0	76.6	72.3
Hungary	771	60.7	60.5	3.9	35.4	60.5	39.2	0.3	0.0	61.4	60.0
Ireland	711	43.5	42.9	15.3	40.5	42.9	55.8	1.3	0.0	45.4	41.9
Israel	734	46.1	45.2	11.7	41.1	45.2	52.8	1.9	0.2	44.2	48.0
Italy	651	72.2	71.3	1.5	26.0	71.3	27.5	1.2	0.0	70.4	74.0
Japan	565	75.6	75.4	5.9	18.4	75.4	24.3	0.3	0.0	73.1	78.0
Jordan	996	32.8	32.6	7.8	59.1	32.6	66.9	0.5	0.0	32.7	32.8
Kazakhstan	903	55.3	54.7	9.2	34.9	54.7	44.1	1.2	0.0	56.2	54.4
Korea, Rep. of	616	83.2	82.7	2.0	14.6	82.7	16.6	0.7	0.0	81.3	85.4
Lithuania	775	65.2	64.5	4.5	29.9	64.5	34.4	1.1	0.0	70.0	60.6
Malaysia	1273	18.2	18.1	21.6	59.8	18.1	81.5	0.4	0.0	17.1	19.4
Malta	568	56.4	55.4	10.7	32.1	55.4	42.8	1.7	0.2	58.5	54.1
Morocco	1233	32.1	31.0	7.6	57.8	31.0	65.4	3.3	0.3	32.6	31.7
New Zealand	553	35.3	34.2	15.9	46.9	34.2	62.8	3.0	0.0	33.8	36.7
Norway (9)	895	47.1	45.1	13.7	36.9	45.1	50.6	3.5	0.8	47.1	47.2
Oman	1164	39.2	38.8	10.0	50.2	38.8	60.2	0.9	0.1	41.3	37.3
Palestinian Nat'l Auth.	922	32.4	32.0	11.5	55.4	32.0	66.9	1.0	0.1	36.6	28.1
Portugal	759	46.6	45.6	6.8	45.4	45.6	52.2	2.2	0.0	45.4	47.7
Qatar	619	38.2	37.6	10.6	50.2	37.6	60.8	1.1	0.5	36.9	39.4
Romania	537	73.5	73.2	2.5	23.9	73.2	26.4	0.2	0.2	73.3	73.7
Saudi Arabia	844	33.0	32.8	16.3	50.3	32.8	66.6	0.5	0.0	36.9	29.4
Singapore	692	70.1	69.9	7.8	22.0	69.9	29.8	0.3	0.0	67.6	72.5
Sweden	724	41.6	40.4	19.9	36.7	40.4	56.6	2.9	0.1	43.0	40.3
Turkiye	699	60.0	58.2	2.8	36.1	58.2	38.9	2.9	0.0	63.8	56.1
United Arab Emirates	4667	61.0	60.6	7.2	31.5	60.6	38.7	0.6	0.1	61.2	60.9
United States	1120	50.7	50.2	8.0	40.8	50.2	48.7	0.7	0.3	51.1	50.4
Uzbekistan	621	47.1	46.6	8.2	44.1	46.6	52.4	1.1	0.0	46.9	47.3
International Avg. (40)	38003	51.5	50.7	8.8	38.7	50.7	47.5	1.7	0.1	51.6	51.5
Abu Dhabi, UAE	1745	52.3	52.1	8.2	39.2	52.1	47.4	0.4	0.2	52.6	52.1
Dubai, UAE	1157	70.2	70.0	4.5	25.2	70.0	29.7	0.3	0.1	69.6	70.8
Sharjah, UAE	896	69.7	68.7	6.1	23.7	68.7	29.9	1.4	0.0	69.5	69.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_MM4_02 ME72022: Value of P x Q on number line - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	35.0	10.8	32.8	34.4	20.2	1.4	0.3	32.0	37.5
Austria	656	35.5	9.7	34.9	34.9	18.8	1.6	0.2	32.6	38.4
Azerbaijan	884	26.8	20.7	36.4	26.1	14.1	2.7	0.0	27.1	26.5
Bahrain	735	32.4	16.7	30.5	32.0	19.5	1.0	0.4	31.3	33.4
Brazil	3279	27.7	15.3	38.5	27.2	16.9	2.0	0.1	29.4	26.3
Chile	633	27.7	17.7	36.8	26.2	13.9	5.1	0.3	23.6	31.1
Chinese Taipei	798	47.0	13.6	23.0	47.0	16.4	0.0	0.0	42.9	51.0
Cyprus	593	34.9	11.1	38.5	34.2	14.2	1.3	0.7	37.9	32.0
Czech Republic	1176	38.7	10.5	34.6	37.7	14.6	2.6	0.0	36.8	40.4
England	620	37.5	10.9	29.9	36.5	20.2	1.5	0.9	35.4	39.5
Finland	837	38.6	7.7	36.5	37.8	15.8	2.0	0.3	36.3	40.9
France	634	34.7	7.5	37.6	34.2	19.2	1.5	0.0	30.3	39.3
Georgia	705	23.7	18.6	42.8	23.0	12.9	2.7	0.0	23.4	24.0
Hong Kong SAR	638	56.0	12.1	16.7	55.7	15.1	0.4	0.0	55.0	56.9
Hungary	771	37.9	9.4	35.4	37.8	17.2	0.2	0.0	31.5	44.4
Ireland	711	33.5	7.6	32.5	33.3	26.0	0.6	0.0	32.0	34.8
Israel	734	37.9	11.5	28.3	37.0	20.7	2.3	0.2	33.9	42.0
Italy	651	37.1	9.9	32.5	36.5	19.4	1.6	0.0	32.6	41.7
Japan	565	57.6	8.0	18.9	57.5	15.4	0.2	0.0	52.3	62.7
Jordan	0	.	.	.	.	.	.	.	.	.
Kazakhstan	903	27.6	14.0	45.8	27.0	11.2	1.9	0.0	24.1	31.0
Korea, Rep. of	616	47.8	13.5	26.0	47.7	12.6	0.2	0.0	42.4	53.6
Lithuania	776	33.9	12.2	39.9	33.6	13.4	0.9	0.0	31.0	36.7
Malaysia	1273	25.3	17.5	40.7	25.3	16.5	0.1	0.0	25.8	24.7
Malta	568	31.7	11.7	35.9	31.3	19.7	1.2	0.2	30.4	33.2
Morocco	1235	31.0	14.3	37.9	30.6	15.9	1.1	0.3	28.7	33.6
New Zealand	553	32.6	10.2	37.2	32.0	18.6	2.1	0.0	35.1	30.9
Norway (9)	899	41.4	9.0	28.3	39.9	19.2	2.8	0.8	38.6	43.8
Oman	1165	34.0	17.1	33.6	33.5	14.2	1.4	0.1	33.1	34.8
Palestinian Nat'l Auth.	924	34.4	19.6	35.1	34.1	10.3	0.8	0.1	32.2	36.6
Portugal	760	35.1	11.6	31.8	34.9	21.1	0.6	0.0	31.4	38.6
Qatar	620	26.1	14.9	37.6	25.8	20.4	0.8	0.5	26.2	26.0
Romania	537	29.8	15.7	42.2	29.4	11.3	1.2	0.2	29.3	30.4
Saudi Arabia	845	32.6	21.5	33.1	32.5	12.5	0.4	0.0	29.9	35.2
Singapore	692	53.4	6.5	20.5	53.3	19.5	0.1	0.0	49.5	57.1
Sweden	725	50.0	9.3	21.1	49.1	18.6	1.8	0.1	48.7	51.3
Turkiye	699	34.9	12.5	29.4	33.6	20.8	3.6	0.0	32.2	37.6
United Arab Emirates	4668	37.7	15.2	31.3	37.4	15.3	0.7	0.1	35.9	39.6
United States	1120	40.0	9.7	29.3	39.6	20.3	0.7	0.3	37.5	42.5
Uzbekistan	621	22.9	22.6	42.0	22.8	12.0	0.5	0.0	19.9	26.0
International Avg. (39)	37043	36.0	13.0	33.2	35.4	16.8	1.4	0.2	33.8	38.1
Abu Dhabi, UAE	1745	34.2	16.5	33.2	33.9	15.4	0.7	0.2	33.6	34.9
Dubai, UAE	1158	46.3	13.3	24.4	46.1	15.8	0.4	0.1	45.5	47.0
Sharjah, UAE	896	36.5	14.2	32.0	36.1	16.6	1.1	0.0	33.8	39.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_MM4_03 ME72038: Correct method for finding $1/5 - 1/8$ - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	20.6	31.7	28.9	17.7	20.2	1.2	0.3	18.6	22.3
Austria	656	12.1	51.6	26.8	8.2	12.0	1.2	0.2	15.3	9.0
Azerbaijan	884	47.1	20.3	22.5	9.3	46.4	1.5	0.0	48.7	45.5
Bahrain	735	20.9	35.8	30.3	12.3	20.7	0.3	0.6	19.0	22.7
Brazil	3279	9.0	41.8	37.2	11.0	8.9	1.0	0.1	10.0	8.1
Chile	633	8.7	37.5	42.2	10.0	8.6	1.4	0.3	6.2	10.8
Chinese Taipei	798	69.8	11.4	10.0	8.7	69.8	0.0	0.0	73.8	65.9
Cyprus	593	19.7	34.4	34.8	9.3	19.3	1.3	0.9	22.4	17.2
Czech Republic	1176	30.5	25.1	31.6	12.1	30.2	0.9	0.0	35.3	26.2
England	620	25.5	27.6	28.8	16.8	25.1	0.7	1.0	22.3	28.8
Finland	837	11.0	41.2	35.6	11.2	10.8	0.9	0.3	9.5	12.4
France	634	6.2	42.8	41.5	8.9	6.1	0.7	0.0	5.1	7.3
Georgia	705	35.7	22.2	30.6	11.2	35.6	0.5	0.0	36.2	35.2
Hong Kong SAR	637	60.2	10.9	13.4	15.5	60.2	0.0	0.0	59.5	60.9
Hungary	771	25.1	26.7	34.9	12.8	24.9	0.7	0.0	25.7	24.4
Ireland	711	14.4	36.7	34.6	14.0	14.4	0.3	0.0	14.4	14.4
Israel	734	22.3	38.7	26.1	11.9	22.0	1.2	0.2	21.1	23.5
Italy	651	32.1	17.9	30.9	18.7	32.0	0.5	0.0	32.1	32.1
Japan	565	46.1	20.8	17.5	15.6	46.0	0.2	0.0	44.9	47.2
Jordan	998	22.1	38.3	23.3	15.8	21.9	0.7	0.0	25.0	19.1
Kazakhstan	903	26.2	22.1	41.5	9.6	25.9	0.8	0.0	27.5	24.8
Korea, Rep. of	616	60.6	10.1	16.7	12.6	60.6	0.0	0.0	59.4	61.8
Lithuania	776	27.7	17.9	39.7	14.5	27.6	0.3	0.0	32.6	23.0
Malaysia	1273	12.5	33.0	41.3	12.9	12.5	0.2	0.0	12.0	13.1
Malta	568	16.2	39.8	30.7	12.8	16.1	0.5	0.2	14.2	18.4
Morocco	1235	25.0	22.1	36.8	15.5	24.7	0.6	0.4	27.6	21.9
New Zealand	553	15.1	33.5	31.6	17.9	14.7	1.8	0.4	15.7	14.6
Norway (9)	899	14.3	28.0	37.1	18.3	14.0	1.7	1.0	11.1	17.2
Oman	1165	22.5	34.9	26.1	15.7	22.3	0.9	0.1	22.1	22.9
Palestinian Nat'l Auth.	924	23.7	32.0	26.9	17.0	23.5	0.6	0.1	26.6	20.8
Portugal	760	13.1	33.2	41.4	11.6	13.1	0.7	0.0	13.5	12.8
Qatar	620	20.6	36.3	29.3	12.5	20.3	1.1	0.5	17.3	23.7
Romania	537	40.9	20.6	28.3	9.7	40.6	0.5	0.2	47.6	34.7
Saudi Arabia	845	18.3	39.6	29.3	12.7	18.3	0.1	0.0	22.1	14.8
Singapore	692	62.7	13.1	10.3	13.8	62.7	0.0	0.0	65.0	60.4
Sweden	725	15.9	31.9	34.0	16.0	15.5	2.5	0.1	14.7	17.1
Turkiye	699	30.3	27.8	30.8	9.8	29.8	1.8	0.0	32.6	27.9
United Arab Emirates	4668	34.9	28.1	22.9	13.7	34.6	0.5	0.1	34.1	35.6
United States	1120	18.1	35.7	30.3	15.2	17.9	0.6	0.3	14.2	21.9
Uzbekistan	621	26.4	30.7	36.3	6.6	26.4	0.0	0.0	24.0	28.8
International Avg. (40)	38040	26.6	29.6	30.1	13.0	26.4	0.8	0.2	27.0	26.2
Abu Dhabi, UAE	1745	29.1	30.1	25.3	15.1	29.0	0.4	0.2	29.3	28.9
Dubai, UAE	1158	46.4	19.9	19.6	13.7	46.1	0.7	0.1	44.7	48.0
Sharjah, UAE	896	35.6	26.3	23.8	14.0	35.4	0.5	0.1	37.4	33.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_MM4_04 ME72045: Ratio of blue and green paint for room - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	45.1	43.4	2.4	50.4	43.4	52.9	3.5	0.3	42.8	47.0
Austria	656	34.7	32.4	2.3	58.6	32.4	61.0	6.4	0.2	38.3	31.2
Azerbaijan	884	46.5	42.9	3.0	46.4	42.9	49.4	7.7	0.0	46.3	46.6
Bahrain	728	18.1	17.4	2.8	76.2	17.4	79.0	3.0	0.6	14.3	21.7
Brazil	3275	12.7	11.7	3.6	77.1	11.7	80.6	7.6	0.1	12.3	13.0
Chile	633	15.0	13.2	2.1	72.6	13.2	74.8	11.6	0.3	11.8	17.5
Chinese Taipei	798	75.8	75.0	1.7	22.3	75.0	24.0	1.0	0.0	74.0	77.5
Cyprus	593	32.1	29.0	3.6	57.7	29.0	61.3	8.7	0.9	32.0	32.2
Czech Republic	1175	56.7	53.4	3.0	37.8	53.4	40.8	5.8	0.0	57.1	56.3
England	619	54.1	51.3	2.0	41.5	51.3	43.5	4.2	1.0	51.1	57.3
Finland	836	41.8	40.0	5.0	50.6	40.0	55.6	4.2	0.3	38.8	44.6
France	632	20.3	18.4	3.0	69.0	18.4	72.0	9.6	0.0	19.9	20.8
Georgia	704	37.1	33.3	3.8	52.6	33.3	56.4	10.4	0.0	39.6	34.5
Hong Kong SAR	637	65.2	63.5	3.0	30.9	63.5	33.9	2.6	0.0	61.4	69.3
Hungary	771	47.0	46.4	3.8	48.3	46.4	52.2	1.5	0.0	47.1	47.0
Ireland	711	50.8	49.6	4.5	43.6	49.6	48.1	2.4	0.0	49.2	52.0
Israel	734	28.4	26.5	9.4	57.4	26.5	66.8	6.6	0.2	28.8	28.0
Italy	651	29.7	26.7	1.8	61.4	26.7	63.2	10.2	0.0	26.8	32.5
Japan	565	75.1	73.6	1.6	22.8	73.6	24.5	1.9	0.0	69.9	79.9
Jordan	998	7.7	7.5	7.3	83.2	7.5	90.5	2.0	0.0	7.4	7.9
Kazakhstan	903	26.2	24.8	5.7	64.0	24.8	69.7	5.5	0.0	26.7	25.7
Korea, Rep. of	616	80.9	79.9	2.0	16.9	79.9	18.8	1.3	0.0	81.4	80.4
Lithuania	776	49.1	46.6	2.2	46.2	46.6	48.4	5.0	0.0	54.0	44.3
Malaysia	1273	24.0	23.8	2.7	72.9	23.8	75.6	0.6	0.0	23.8	24.1
Malta	568	40.7	38.5	3.3	52.9	38.5	56.2	5.1	0.2	40.8	40.5
Morocco	1233	5.9	5.2	2.1	81.1	5.2	83.2	11.2	0.4	4.6	7.4
New Zealand	553	39.5	37.6	2.0	55.6	37.6	57.6	4.4	0.4	33.4	44.4
Norway (9)	898	38.2	34.3	3.2	52.5	34.3	55.6	9.1	1.0	40.0	36.6
Oman	1163	19.2	18.5	2.3	76.0	18.5	78.3	3.0	0.1	16.2	21.8
Palestinian Nat'l Auth.	921	13.6	13.3	3.4	80.8	13.3	84.2	2.4	0.1	12.3	14.9
Portugal	760	22.1	20.1	2.6	68.1	20.1	70.7	9.2	0.0	22.4	21.9
Qatar	620	22.5	21.6	3.4	70.9	21.6	74.3	3.6	0.5	20.1	24.7
Romania	537	28.8	27.3	3.0	64.5	27.3	67.6	5.0	0.2	29.1	28.4
Saudi Arabia	836	10.0	9.9	3.2	85.7	9.9	88.9	1.2	0.0	7.4	12.5
Singapore	692	76.4	75.8	2.4	21.0	75.8	23.5	0.7	0.0	71.6	81.0
Sweden	725	43.3	39.3	5.4	46.1	39.3	51.5	9.0	0.1	39.5	46.8
Turkiye	699	26.9	24.3	5.6	60.4	24.3	65.9	9.8	0.0	26.4	27.5
United Arab Emirates	4664	34.6	33.7	4.2	59.6	33.7	63.8	2.3	0.1	32.1	37.1
United States	1119	34.6	33.6	3.2	60.3	33.6	63.5	2.6	0.3	31.6	37.5
Uzbekistan	621	25.2	24.6	4.4	68.5	24.6	72.9	2.5	0.0	22.9	27.5
International Avg. (40)	38001	36.4	34.7	3.4	56.6	34.7	60.0	5.1	0.2	35.1	37.5
Abu Dhabi, UAE	1742	24.7	24.1	4.0	69.4	24.1	73.3	2.4	0.2	23.0	26.4
Dubai, UAE	1158	55.0	53.7	3.4	40.4	53.7	43.9	2.4	0.1	51.2	58.5
Sharjah, UAE	895	34.5	33.6	5.6	58.4	33.6	63.9	2.3	0.2	32.5	36.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_MM4_05 ME72049: Ratio of Y and B in row of quilt - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	70.9	69.8	28.7	69.8	28.7	1.2	0.3	72.0	69.9
Austria	656	62.9	62.1	36.7	62.1	36.7	1.0	0.2	68.3	57.5
Azerbaijan	884	50.4	45.3	44.6	45.3	44.6	10.1	0.0	49.3	51.4
Bahrain	735	51.5	50.9	48.0	50.9	48.0	0.6	0.6	49.9	53.0
Brazil	3277	36.5	35.3	61.3	35.3	61.3	3.3	0.1	32.7	39.9
Chile	632	39.7	38.5	58.5	38.5	58.5	2.7	0.3	34.9	43.6
Chinese Taipei	796	91.6	91.5	8.4	91.5	8.4	0.1	0.0	92.3	90.9
Cyprus	592	60.0	58.8	39.3	58.8	39.3	0.9	1.1	59.6	60.3
Czech Republic	1176	76.6	75.8	23.1	75.8	23.1	1.1	0.0	77.9	75.5
England	619	78.5	77.5	21.2	77.5	21.2	0.3	1.0	78.1	78.9
Finland	835	52.2	51.4	47.0	51.4	47.0	1.4	0.3	50.2	54.1
France	634	44.9	43.4	53.2	43.4	53.2	3.4	0.0	42.5	47.5
Georgia	705	56.7	53.9	41.2	53.9	41.2	4.9	0.0	57.9	55.3
Hong Kong SAR	638	84.3	83.8	15.6	83.8	15.6	0.6	0.0	83.1	85.7
Hungary	771	68.8	68.4	31.0	68.4	31.0	0.6	0.0	66.5	71.2
Ireland	711	67.5	67.3	32.4	67.3	32.4	0.3	0.0	68.9	66.3
Israel	735	49.3	48.2	49.5	48.2	49.5	2.2	0.2	53.6	45.0
Italy	650	61.8	59.9	37.0	59.9	37.0	3.0	0.0	58.7	64.9
Japan	565	93.2	93.2	6.8	93.2	6.8	0.0	0.0	96.7	89.8
Jordan	996	37.7	37.2	61.4	37.2	61.4	1.4	0.0	40.7	34.8
Kazakhstan	902	54.5	53.6	44.8	53.6	44.8	1.5	0.0	55.9	53.1
Korea, Rep. of	616	93.4	93.2	6.6	93.2	6.6	0.2	0.0	92.1	94.7
Lithuania	776	65.9	65.3	33.7	65.3	33.7	1.0	0.0	67.4	64.5
Malaysia	1273	56.6	56.5	43.4	56.5	43.4	0.1	0.0	57.6	55.4
Malta	568	68.9	67.9	30.7	67.9	30.7	1.2	0.2	72.0	65.3
Morocco	1235	37.1	35.9	60.9	35.9	60.9	2.9	0.4	38.0	36.1
New Zealand	551	60.8	59.2	38.1	59.2	38.1	2.2	0.4	55.6	65.3
Norway (9)	897	50.3	48.3	47.7	48.3	47.7	3.0	1.0	48.7	51.7
Oman	1165	51.3	50.9	48.4	50.9	48.4	0.7	0.1	51.0	51.5
Palestinian Nat'l Auth.	923	36.2	36.0	63.5	36.0	63.5	0.4	0.2	31.2	41.1
Portugal	760	47.9	47.0	51.2	47.0	51.2	1.8	0.0	45.5	50.2
Qatar	620	48.7	48.4	51.0	48.4	51.0	0.2	0.5	47.7	49.6
Romania	537	53.2	52.7	46.3	52.7	46.3	0.8	0.2	51.0	55.3
Saudi Arabia	845	40.2	40.0	59.6	40.0	59.6	0.4	0.0	32.8	47.0
Singapore	692	89.7	89.7	10.3	89.7	10.3	0.0	0.0	89.8	89.5
Sweden	725	48.6	46.4	49.0	46.4	49.0	4.5	0.1	43.8	53.2
Turkiye	699	59.1	58.7	40.6	58.7	40.6	0.7	0.0	63.7	54.3
United Arab Emirates	4663	61.8	61.4	37.9	61.4	37.9	0.5	0.2	60.3	63.3
United States	1118	65.4	64.9	34.3	64.9	34.3	0.4	0.5	64.4	66.5
Uzbekistan	621	42.6	42.0	56.6	42.0	56.6	1.4	0.0	42.6	42.6
International Avg. (40)	38017	59.2	58.2	40.0	58.2	40.0	1.6	0.2	58.6	59.6
Abu Dhabi, UAE	1740	55.8	55.2	43.7	55.2	43.7	0.9	0.2	54.9	56.8
Dubai, UAE	1158	75.7	75.2	24.2	75.2	24.2	0.5	0.1	70.9	80.0
Sharjah, UAE	896	63.1	62.8	36.7	62.8	36.7	0.3	0.2	64.8	61.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_MM4_06 ME72069: Value of 3a + 5b given values for a and b - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1223	49.1	47.3	5.5	43.6	47.3	49.1	3.3	0.3	46.6	51.3
Austria	656	59.7	57.4	8.4	30.3	57.4	38.7	3.7	0.2	63.0	56.5
Azerbaijan	882	64.7	60.9	4.1	29.1	60.9	33.2	6.0	0.0	64.8	64.6
Bahrain	732	35.2	34.5	4.8	58.5	34.5	63.4	1.6	0.6	38.2	32.4
Brazil	3273	16.9	15.5	4.2	72.0	15.5	76.2	8.1	0.2	13.9	19.5
Chile	631	20.9	17.0	3.3	61.1	17.0	64.4	18.3	0.3	16.9	23.9
Chinese Taipei	798	86.5	85.7	1.7	11.7	85.7	13.4	1.0	0.0	87.6	85.4
Cyprus	593	60.3	57.7	5.1	32.9	57.7	38.0	3.3	1.1	56.4	64.0
Czech Republic	1174	59.4	56.8	2.8	36.1	56.8	38.9	4.3	0.0	60.3	58.5
England	620	63.9	61.1	4.8	29.7	61.1	34.5	3.4	1.0	59.4	68.6
Finland	836	46.0	44.1	3.8	47.9	44.1	51.7	4.0	0.3	46.6	45.5
France	633	38.7	37.1	10.9	47.9	37.1	58.7	4.1	0.0	37.1	40.5
Georgia	703	51.0	47.7	8.5	37.3	47.7	45.9	6.5	0.0	46.4	56.1
Hong Kong SAR	638	84.5	84.0	2.1	13.3	84.0	15.4	0.5	0.1	82.6	86.5
Hungary	770	58.7	58.1	4.2	36.7	58.1	40.9	1.1	0.0	60.1	57.3
Ireland	711	61.2	59.9	7.5	30.5	59.9	38.0	2.2	0.0	60.3	62.0
Israel	734	56.6	52.6	4.1	36.2	52.6	40.2	7.0	0.2	56.0	57.3
Italy	651	45.0	42.2	3.9	47.6	42.2	51.6	6.2	0.0	43.8	46.2
Japan	564	86.9	86.4	1.3	11.7	86.4	13.0	0.7	0.0	88.3	85.7
Jordan	994	28.5	27.9	4.8	65.4	27.9	70.2	1.9	0.0	32.7	24.3
Kazakhstan	902	45.1	42.5	6.9	45.0	42.5	51.8	5.6	0.0	46.6	43.4
Korea, Rep. of	616	82.3	81.3	1.4	16.1	81.3	17.4	1.3	0.0	84.8	79.7
Lithuania	775	56.9	54.9	3.5	38.2	54.9	41.6	3.5	0.0	62.9	50.9
Malaysia	1272	22.9	22.8	5.1	71.6	22.8	76.7	0.5	0.0	25.1	20.5
Malta	568	58.0	55.8	3.8	36.6	55.8	40.4	3.5	0.4	60.3	55.5
Morocco	1231	18.4	16.7	4.7	69.2	16.7	73.9	9.0	0.4	19.8	16.9
New Zealand	552	30.4	28.6	5.3	60.1	28.6	65.5	5.5	0.4	25.4	34.6
Norway (9)	898	42.7	39.3	5.9	46.8	39.3	52.7	6.9	1.1	39.8	45.2
Oman	1157	32.1	31.5	3.2	63.6	31.5	66.8	1.6	0.1	36.9	27.6
Palestinian Nat'l Auth.	912	28.2	27.7	4.6	66.0	27.7	70.6	1.5	0.2	30.6	25.7
Portugal	759	37.4	33.8	3.9	52.6	33.8	56.5	9.7	0.0	37.0	37.8
Qatar	619	39.7	38.6	6.5	52.0	38.6	58.6	2.4	0.5	38.0	41.3
Romania	537	60.6	59.2	3.4	35.1	59.2	38.5	2.1	0.2	65.7	55.8
Saudi Arabia	838	20.3	20.1	9.3	69.6	20.1	78.9	1.0	0.0	22.2	18.5
Singapore	692	80.5	80.2	2.2	17.3	80.2	19.4	0.3	0.0	81.1	79.9
Sweden	723	49.9	48.3	11.0	37.4	48.3	48.4	3.2	0.1	46.2	53.6
Turkiye	698	50.6	47.0	3.0	42.9	47.0	45.9	7.1	0.0	53.8	47.2
United Arab Emirates	4662	54.5	53.9	3.5	41.5	53.9	45.0	0.9	0.2	55.2	53.8
United States	1120	51.0	49.7	5.0	42.7	49.7	47.7	2.2	0.5	50.2	51.9
Uzbekistan	621	39.8	38.7	5.7	52.9	38.7	58.6	2.5	0.2	39.5	40.0
International Avg. (40)	37968	49.4	47.6	4.8	43.4	47.6	48.3	3.9	0.2	49.6	49.2
Abu Dhabi, UAE	1743	45.3	44.7	3.2	50.7	44.7	53.9	1.2	0.2	45.4	45.2
Dubai, UAE	1156	69.3	68.7	4.2	26.2	68.7	30.4	0.7	0.1	66.8	71.6
Sharjah, UAE	894	58.0	57.6	3.7	38.1	57.6	41.8	0.5	0.2	62.6	53.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_MM4_07 ME72074: Write $A + B$ in terms of x and y - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	11.3	9.1	71.4	9.1	71.4	19.1	0.5	11.0	11.5
Austria	656	26.9	17.0	46.2	17.0	46.2	36.7	0.2	30.1	23.9
Azerbaijan	884	45.9	31.3	36.8	31.3	36.8	31.9	0.0	49.2	42.8
Bahrain	735	11.2	9.9	78.2	9.9	78.2	11.4	0.6	11.6	10.9
Brazil	3279	8.2	6.1	67.4	6.1	67.4	26.4	0.2	8.1	8.4
Chile	633	2.9	1.9	62.1	1.9	62.1	35.5	0.5	2.1	3.5
Chinese Taipei	798	66.9	64.1	31.8	64.1	31.8	4.1	0.0	68.4	65.3
Cyprus	593	37.5	28.7	47.7	28.7	47.7	22.6	1.1	39.0	36.0
Czech Republic	1176	39.8	29.6	44.8	29.6	44.8	25.6	0.0	39.4	40.1
England	619	34.0	24.7	48.0	24.7	48.0	26.3	1.0	27.0	40.9
Finland	837	9.4	7.0	67.7	7.0	67.7	24.8	0.5	5.8	12.4
France	634	11.9	8.1	60.1	8.1	60.1	31.9	0.0	12.4	11.3
Georgia	705	24.3	15.1	47.0	15.1	47.0	37.9	0.0	23.1	25.6
Hong Kong SAR	638	45.3	40.1	48.3	40.1	48.3	11.6	0.1	42.2	48.5
Hungary	771	28.2	22.6	57.6	22.6	57.6	19.7	0.1	27.1	29.3
Ireland	711	19.6	14.6	60.1	14.6	60.1	25.2	0.0	18.7	20.3
Israel	734	22.9	15.8	53.2	15.8	53.2	30.9	0.2	21.9	23.8
Italy	651	19.3	11.8	49.4	11.8	49.4	38.8	0.0	15.8	23.0
Japan	565	48.1	41.4	44.6	41.4	44.6	13.8	0.2	50.2	46.0
Jordan	987	6.4	5.4	79.5	5.4	79.5	15.1	0.0	6.4	6.4
Kazakhstan	903	18.7	13.5	58.8	13.5	58.8	27.4	0.2	18.2	19.1
Korea, Rep. of	616	56.3	52.3	40.6	52.3	40.6	7.1	0.0	57.3	55.3
Lithuania	776	23.4	15.8	51.8	15.8	51.8	32.3	0.0	27.8	19.2
Malaysia	1274	5.1	4.8	89.9	4.8	89.9	5.3	0.0	4.1	6.0
Malta	568	25.0	19.4	58.1	19.4	58.1	22.1	0.4	22.0	28.2
Morocco	1235	12.0	8.9	65.4	8.9	65.4	25.2	0.5	14.5	9.1
New Zealand	553	11.1	9.0	72.0	9.0	72.0	18.5	0.4	11.6	10.9
Norway (9)	899	14.6	10.4	60.6	10.4	60.6	27.8	1.3	15.3	14.1
Oman	1165	9.6	8.3	78.3	8.3	78.3	13.2	0.1	8.8	10.4
Palestinian Nat'l Auth.	924	7.6	6.6	80.4	6.6	80.4	12.6	0.3	7.3	7.9
Portugal	760	17.0	12.1	59.3	12.1	59.3	28.2	0.4	16.8	17.2
Qatar	617	16.5	14.0	70.8	14.0	70.8	14.5	0.7	13.3	19.4
Romania	537	41.4	33.1	46.8	33.1	46.8	19.9	0.2	47.7	36.0
Saudi Arabia	845	4.6	4.3	89.3	4.3	89.3	6.4	0.0	5.0	4.1
Singapore	692	56.9	54.8	41.5	54.8	41.5	3.7	0.0	55.5	58.3
Sweden	725	16.9	13.2	65.2	13.2	65.2	21.4	0.1	16.2	17.5
Turkiye	699	35.6	26.1	47.0	26.1	47.0	26.9	0.0	37.4	33.9
United Arab Emirates	4668	26.2	23.7	66.7	23.7	66.7	9.4	0.3	23.4	28.9
United States	1119	19.9	17.9	72.1	17.9	72.1	9.2	0.7	16.4	23.1
Uzbekistan	621	20.6	16.4	63.2	16.4	63.2	19.9	0.5	20.7	20.5
International Avg. (40)	38026	24.0	19.2	59.5	19.2	59.5	21.0	0.3	23.7	24.2
Abu Dhabi, UAE	1745	15.5	14.1	76.6	14.1	76.6	9.0	0.3	13.6	17.5
Dubai, UAE	1158	41.3	36.9	52.5	36.9	52.5	10.4	0.2	36.6	45.4
Sharjah, UAE	896	31.1	28.4	62.9	28.4	62.9	8.6	0.2	31.0	31.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM4_08 ME72013: Formula for height of cliff - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	29.9	29.0	24.8	29.4	15.2	1.1	0.5	28.8	30.9
Austria	656	35.6	22.0	24.7	35.3	17.0	0.8	0.3	40.1	31.3
Azerbaijan	884	43.4	33.7	11.6	43.1	10.8	0.5	0.3	48.4	38.4
Bahrain	735	38.8	30.5	23.1	38.5	7.2	0.2	0.6	42.9	34.8
Brazil	3279	18.2	46.7	28.6	18.1	5.6	0.7	0.3	17.2	19.1
Chile	633	15.2	43.5	28.0	14.6	9.6	3.8	0.6	16.3	14.4
Chinese Taipei	798	59.9	12.0	9.8	59.9	18.3	0.0	0.0	58.5	61.3
Cyprus	593	45.9	24.2	20.6	45.0	8.2	0.9	1.1	50.4	41.6
Czech Republic	1176	39.9	27.2	23.0	39.5	9.1	1.1	0.1	41.6	38.4
England	620	34.7	22.1	19.5	33.7	21.9	1.7	1.0	30.4	39.0
Finland	837	28.3	30.0	33.0	27.9	7.6	1.1	0.5	29.2	27.5
France	634	25.0	33.9	29.8	24.8	10.5	1.0	0.0	25.4	24.6
Georgia	705	38.2	36.2	18.7	38.0	6.5	0.6	0.0	38.9	37.5
Hong Kong SAR	638	61.1	12.6	14.3	60.9	11.8	0.4	0.1	60.3	62.0
Hungary	771	21.1	44.6	26.0	20.9	7.6	0.8	0.1	21.9	20.2
Ireland	711	23.4	27.9	27.1	23.4	21.6	0.0	0.0	19.2	27.0
Israel	734	28.3	27.8	26.8	28.0	16.1	0.9	0.3	28.8	27.9
Italy	651	41.6	31.6	16.3	41.1	9.8	1.2	0.0	42.3	40.9
Japan	565	58.2	16.5	19.8	58.0	5.4	0.2	0.2	59.1	57.3
Jordan	998	31.4	41.2	21.4	31.2	5.5	0.7	0.0	34.9	28.0
Kazakhstan	903	38.7	35.6	17.9	38.4	7.2	0.5	0.4	42.5	35.0
Korea, Rep. of	616	58.9	16.6	12.2	58.7	12.2	0.3	0.0	59.9	57.8
Lithuania	776	45.6	24.3	17.6	45.5	12.4	0.1	0.0	49.8	41.5
Malaysia	1273	17.6	46.3	29.8	17.5	6.1	0.2	0.1	17.7	17.4
Malta	568	40.8	26.6	18.8	40.3	13.2	0.5	0.5	42.6	38.7
Morocco	1235	17.2	49.0	27.5	16.8	4.5	1.3	0.8	18.8	15.4
New Zealand	553	21.8	37.8	28.6	21.3	10.0	1.9	0.4	20.9	22.6
Norway (9)	899	25.0	30.7	30.7	24.0	10.7	2.1	1.8	22.7	26.9
Oman	1165	25.1	39.7	25.3	24.8	9.1	0.9	0.1	28.0	22.5
Palestinian Nat'l Auth.	924	20.6	49.4	23.2	20.4	6.0	0.6	0.4	21.0	20.2
Portugal	760	28.7	35.3	26.0	28.5	9.2	0.7	0.4	29.3	28.2
Qatar	620	29.8	39.2	19.5	29.2	10.0	1.0	1.0	29.3	30.4
Romania	537	46.5	29.2	14.8	46.0	9.1	0.8	0.2	47.4	45.5
Saudi Arabia	845	19.2	49.6	23.5	19.2	7.5	0.2	0.0	20.1	18.5
Singapore	692	66.6	12.2	13.2	66.5	8.0	0.2	0.0	68.7	64.6
Sweden	725	18.8	30.2	35.3	18.4	14.3	1.4	0.4	17.9	19.6
Turkiye	699	30.9	33.3	16.9	30.4	17.6	1.8	0.0	33.2	28.7
United Arab Emirates	4668	43.7	25.9	17.6	43.2	12.3	0.6	0.4	44.2	43.2
United States	1120	35.0	25.2	22.1	34.6	17.0	0.3	0.8	35.5	34.5
Uzbekistan	621	34.0	41.9	19.8	33.7	3.6	0.4	0.5	34.2	33.9
International Avg. (40)	38041	34.6	31.8	22.2	34.2	10.6	0.8	0.4	35.4	33.7
Abu Dhabi, UAE	1745	34.6	30.6	22.8	34.2	11.0	0.9	0.4	36.8	32.5
Dubai, UAE	1158	56.2	17.2	12.1	55.9	14.2	0.2	0.3	53.9	58.2
Sharjah, UAE	896	46.3	24.6	14.9	45.8	13.7	0.8	0.3	46.6	45.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_MM4_09 ME72095: Values of x and y for system of equations (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	71 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	39.3	34.2	5.6	4.9	42.3	34.2	52.8	12.5	0.5	39.4	39.3
Austria	655	44.1	35.6	7.9	2.9	34.4	35.6	45.2	18.9	0.3	43.1	45.0
Azerbaijan	882	54.2	42.8	4.3	2.0	29.9	42.8	36.1	20.7	0.3	56.2	52.3
Bahrain	732	23.8	22.1	6.3	4.2	60.0	22.1	70.6	6.8	0.6	26.4	21.5
Brazil	3273	8.9	7.4	6.7	4.2	64.5	7.4	75.3	17.0	0.3	7.6	9.9
Chile	633	16.3	11.5	6.2	3.6	49.3	11.5	59.2	28.6	0.6	10.7	20.6
Chinese Taipei	798	69.5	67.2	3.0	1.5	25.1	67.2	29.5	3.2	0.0	70.5	68.5
Cyprus	593	46.8	37.2	4.2	3.8	34.4	37.2	42.4	19.3	1.1	44.9	48.5
Czech Republic	1174	51.6	42.5	4.6	3.2	32.1	42.5	39.9	17.6	0.1	53.4	50.0
England	620	46.3	37.4	5.0	2.9	35.5	37.4	43.4	18.1	1.0	41.2	51.3
Finland	835	42.3	37.2	5.0	3.7	41.9	37.2	50.7	11.5	0.7	42.6	42.1
France	633	33.0	26.4	7.8	6.4	39.2	26.4	53.5	20.2	0.0	31.7	34.5
Georgia	702	44.4	33.2	3.8	0.9	36.9	33.2	41.5	25.2	0.0	43.0	45.9
Hong Kong SAR	633	54.7	50.2	2.3	1.0	38.2	50.2	41.5	8.2	0.1	52.5	57.0
Hungary	769	47.3	42.9	7.5	2.9	37.4	42.9	47.7	9.2	0.1	46.9	47.8
Ireland	711	42.8	36.2	8.7	3.4	36.2	36.2	48.3	15.5	0.0	44.6	41.3
Israel	734	34.5	27.5	5.2	2.5	44.3	27.5	52.1	20.1	0.3	32.8	36.1
Italy	651	34.6	25.7	6.2	5.4	37.2	25.7	48.7	25.5	0.0	34.6	34.5
Japan	564	74.6	71.0	4.9	2.2	17.0	71.0	24.1	4.6	0.2	75.6	73.6
Jordan	997	13.3	12.7	9.0	3.7	70.1	12.7	82.8	4.5	0.0	14.2	12.5
Kazakhstan	902	36.0	29.6	4.1	2.8	45.6	29.6	52.5	17.4	0.5	36.7	35.4
Korea, Rep. of	615	72.5	68.9	4.5	2.4	19.3	68.9	26.2	4.9	0.0	74.5	70.2
Lithuania	776	41.1	31.7	4.6	3.1	37.8	31.7	45.5	22.8	0.0	44.6	37.8
Malaysia	1272	10.1	9.8	7.7	3.3	76.7	9.8	87.6	2.4	0.1	9.3	10.9
Malta	568	30.8	26.3	6.7	2.8	49.7	26.3	59.2	14.1	0.5	31.7	29.7
Morocco	1234	7.6	6.1	4.8	3.0	67.2	6.1	75.0	18.1	0.8	7.4	7.7
New Zealand	553	31.3	26.8	11.6	3.4	43.7	26.8	58.7	14.1	0.4	24.3	36.4
Norway (9)	899	45.0	34.7	3.8	3.1	35.6	34.7	42.4	21.1	1.8	45.4	44.6
Oman	1162	12.9	11.9	6.4	4.6	69.9	11.9	80.9	6.9	0.2	11.8	13.9
Palestinian Nat'l Auth.	921	11.5	10.8	7.5	3.7	72.0	10.8	83.2	5.6	0.4	9.9	13.0
Portugal	760	24.0	19.2	6.0	4.5	50.1	19.2	60.6	19.6	0.5	20.4	27.3
Qatar	619	22.4	19.6	7.5	4.4	56.0	19.6	67.9	11.4	1.0	21.2	23.5
Romania	537	48.2	41.8	4.9	1.1	38.9	41.8	44.9	13.1	0.2	52.8	44.0
Saudi Arabia	841	14.1	13.7	10.4	3.5	69.4	13.7	83.3	2.9	0.1	17.4	11.1
Singapore	691	51.2	49.9	5.6	1.7	40.4	49.9	47.6	2.5	0.0	49.9	52.4
Sweden	725	55.2	46.5	4.7	2.9	30.0	46.5	37.6	15.3	0.6	56.9	53.7
Turkiye	699	36.1	31.1	5.1	3.6	46.4	31.1	55.1	13.7	0.0	38.7	33.3
United Arab Emirates	4664	34.7	32.2	6.3	2.6	51.7	32.2	60.6	6.8	0.5	31.9	37.5
United States	1119	31.4	29.7	8.4	3.8	52.8	29.7	65.0	4.4	0.8	31.9	30.9
Uzbekistan	621	31.4	27.0	6.6	1.7	50.7	27.0	58.9	13.5	0.5	31.9	30.9
International Avg. (40)	37991	36.7	31.7	6.0	3.2	45.2	31.7	54.5	13.5	0.4	36.5	36.9
Abu Dhabi, UAE	1743	25.4	23.8	6.8	2.9	60.3	23.8	70.0	5.5	0.7	24.6	26.2
Dubai, UAE	1157	49.7	45.5	5.9	2.2	38.0	45.5	46.1	8.0	0.3	41.9	56.5
Sharjah, UAE	896	38.3	35.3	5.6	2.8	48.6	35.3	57.0	7.2	0.4	37.5	39.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Algebra / Applying

B_MM4_09A ME72095A: Values of x and y for system of equations - x value - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	45.7	39.8	47.2	39.8	47.2	12.6	0.5	45.6	46.0
Austria	655	54.0	43.6	37.1	43.6	37.1	19.1	0.3	53.9	54.1
Azerbaijan	883	59.5	47.0	32.0	47.0	32.0	20.7	0.3	61.1	57.9
Bahrain	734	30.6	28.3	64.1	28.3	64.1	7.0	0.6	32.4	29.1
Brazil	3275	17.0	14.0	68.4	14.0	68.4	17.2	0.3	17.1	16.9
Chile	633	25.3	17.8	52.4	17.8	52.4	29.2	0.6	17.4	31.4
Chinese Taipei	798	72.6	70.2	26.5	70.2	26.5	3.2	0.0	73.8	71.4
Cyprus	593	52.4	41.4	37.7	41.4	37.7	19.8	1.1	49.7	54.8
Czech Republic	1174	57.6	47.1	34.6	47.1	34.6	18.3	0.1	60.1	55.4
England	620	52.7	42.4	38.1	42.4	38.1	18.4	1.0	47.8	57.5
Finland	835	48.5	42.2	44.7	42.2	44.7	12.4	0.7	49.0	48.1
France	634	42.9	34.1	45.4	34.1	45.4	20.4	0.0	43.1	42.7
Georgia	703	49.9	36.9	37.0	36.9	37.0	26.0	0.0	50.0	49.9
Hong Kong SAR	636	56.9	52.2	39.6	52.2	39.6	8.2	0.1	54.5	59.3
Hungary	769	56.1	50.4	39.4	50.4	39.4	10.0	0.1	56.1	56.2
Ireland	711	53.2	44.9	39.5	44.9	39.5	15.5	0.0	56.2	50.6
Israel	734	41.1	32.7	46.8	32.7	46.8	20.2	0.3	41.4	40.9
Italy	651	43.3	31.9	41.8	31.9	41.8	26.2	0.0	43.8	42.7
Japan	564	80.0	75.9	19.0	75.9	19.0	4.9	0.2	80.8	79.2
Jordan	997	22.8	21.7	73.5	21.7	73.5	4.8	0.0	25.1	20.5
Kazakhstan	902	41.2	33.7	48.1	33.7	48.1	17.7	0.5	42.4	40.0
Korea, Rep. of	616	77.0	73.2	21.8	73.2	21.8	4.9	0.0	79.5	74.4
Lithuania	776	47.4	36.3	40.4	36.3	40.4	23.3	0.0	51.1	43.9
Malaysia	1272	18.0	17.5	79.9	17.5	79.9	2.5	0.1	18.4	17.5
Malta	568	38.7	33.0	52.3	33.0	52.3	14.2	0.5	40.2	36.9
Morocco	1235	13.5	10.9	70.0	10.9	70.0	18.3	0.8	14.0	12.9
New Zealand	553	45.2	38.4	46.5	38.4	46.5	14.7	0.4	40.5	48.7
Norway (9)	899	50.1	38.4	38.3	38.4	38.3	21.5	1.8	50.4	49.9
Oman	1162	19.8	18.4	74.3	18.4	74.3	7.1	0.2	18.6	20.9
Palestinian Nat'l Auth.	923	19.4	18.2	75.7	18.2	75.7	5.7	0.4	19.0	19.8
Portugal	760	31.7	25.2	54.3	25.2	54.3	20.0	0.5	28.3	34.8
Qatar	619	31.0	27.1	60.3	27.1	60.3	11.6	1.0	29.0	33.0
Romania	537	54.0	46.7	39.8	46.7	39.8	13.3	0.2	58.8	49.5
Saudi Arabia	844	24.8	23.9	72.7	23.9	72.7	3.3	0.1	29.6	20.3
Singapore	691	56.9	55.5	42.1	55.5	42.1	2.5	0.0	56.2	57.5
Sweden	725	61.0	51.1	32.6	51.1	32.6	15.6	0.6	61.8	60.4
Turkiye	699	42.2	36.2	49.6	36.2	49.6	14.2	0.0	43.3	41.0
United Arab Emirates	4668	41.5	38.4	54.1	38.4	54.1	7.0	0.5	38.1	44.9
United States	1120	40.4	38.1	56.2	38.1	56.2	4.9	0.8	41.4	39.5
Uzbekistan	621	39.3	33.6	51.9	33.6	51.9	14.0	0.5	40.9	37.6
International Avg. (40)	38013	43.9	37.7	48.1	37.7	48.1	13.8	0.4	44.0	43.7
Abu Dhabi, UAE	1745	32.7	30.6	63.1	30.6	63.1	5.6	0.7	31.1	34.3
Dubai, UAE	1158	56.3	51.4	39.9	51.4	39.9	8.4	0.3	48.0	63.5
Sharjah, UAE	896	44.5	40.9	51.0	40.9	51.0	7.6	0.4	42.2	46.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_MM4_09B ME72095B: Values of x and y for system of equations - y value - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	45.4	39.0	46.9	39.0	46.9	13.6	0.5	47.2	43.9
Austria	656	48.9	38.4	40.2	38.4	40.2	21.1	0.3	47.7	50.1
Azerbaijan	882	58.0	44.8	32.4	44.8	32.4	22.5	0.3	59.7	56.4
Bahrain	733	29.4	26.2	63.1	26.2	63.1	10.1	0.6	32.2	26.8
Brazil	3276	14.4	11.5	68.4	11.5	68.4	19.7	0.3	14.3	14.4
Chile	633	22.0	15.1	53.6	15.1	53.6	30.6	0.6	16.7	26.1
Chinese Taipei	798	71.5	68.7	27.4	68.7	27.4	3.9	0.0	72.8	70.2
Cyprus	593	52.8	41.0	36.7	41.0	36.7	21.2	1.1	51.9	53.6
Czech Republic	1176	57.5	45.7	33.8	45.7	33.8	20.5	0.1	59.5	55.8
England	620	50.8	40.3	39.1	40.3	39.1	19.5	1.0	47.1	54.4
Finland	836	47.2	40.8	45.7	40.8	45.7	12.8	0.7	49.2	45.4
France	633	42.2	32.8	45.0	32.8	45.0	22.2	0.0	42.1	42.3
Georgia	702	46.5	34.1	39.2	34.1	39.2	26.7	0.0	44.5	48.6
Hong Kong SAR	635	56.9	51.0	38.7	51.0	38.7	10.2	0.1	54.2	59.7
Hungary	770	50.9	45.7	44.1	45.7	44.1	10.1	0.1	50.7	51.2
Ireland	711	48.7	39.6	41.7	39.6	41.7	18.7	0.0	51.8	46.1
Israel	734	38.7	30.0	47.4	30.0	47.4	22.2	0.3	37.7	39.7
Italy	651	43.4	31.1	40.6	31.1	40.6	28.3	0.0	43.8	42.9
Japan	564	77.5	73.3	21.3	73.3	21.3	5.2	0.2	78.1	76.9
Jordan	998	17.7	16.4	76.3	16.4	76.3	7.2	0.0	20.8	14.5
Kazakhstan	902	40.2	32.4	48.1	32.4	48.1	19.0	0.5	41.3	39.2
Korea, Rep. of	615	75.7	71.3	22.9	71.3	22.9	5.8	0.0	77.1	74.1
Lithuania	776	45.5	34.8	41.8	34.8	41.8	23.4	0.0	48.6	42.5
Malaysia	1273	13.7	13.1	82.9	13.1	82.9	3.9	0.1	13.2	14.1
Malta	568	34.7	29.1	54.6	29.1	54.6	15.8	0.5	36.0	33.3
Morocco	1234	12.1	9.1	66.4	9.1	66.4	23.7	0.8	12.9	11.1
New Zealand	553	35.7	30.2	54.3	30.2	54.3	15.1	0.4	28.7	40.9
Norway (9)	899	50.2	37.8	37.4	37.8	37.4	23.0	1.8	50.8	49.8
Oman	1164	18.3	16.5	73.5	16.5	73.5	9.7	0.2	17.4	19.2
Palestinian Nat'l Auth.	922	16.2	14.5	75.3	14.5	75.3	9.8	0.4	15.5	16.8
Portugal	760	30.2	23.7	54.9	23.7	54.9	20.8	0.5	26.1	33.8
Qatar	619	28.0	24.0	61.7	24.0	61.7	13.3	1.0	29.9	26.1
Romania	537	50.4	42.9	42.2	42.9	42.2	14.7	0.2	54.6	46.5
Saudi Arabia	842	18.4	17.1	75.8	17.1	75.8	7.0	0.1	21.1	16.0
Singapore	692	53.0	51.6	45.7	51.6	45.7	2.8	0.0	51.8	54.2
Sweden	725	59.8	49.4	33.2	49.4	33.2	16.7	0.6	62.3	57.4
Turkiye	699	40.9	34.8	50.3	34.8	50.3	15.0	0.0	42.9	38.7
United Arab Emirates	4664	38.1	34.7	56.5	34.7	56.5	8.3	0.5	35.7	40.4
United States	1119	35.8	33.5	60.2	33.5	60.2	5.5	0.8	36.8	34.9
Uzbekistan	621	34.8	28.7	53.7	28.7	53.7	17.1	0.5	34.7	35.0
International Avg. (40)	38009	41.3	34.9	49.3	34.9	49.3	15.4	0.4	41.5	41.1
Abu Dhabi, UAE	1743	29.0	26.6	65.3	26.6	65.3	7.4	0.7	28.4	29.6
Dubai, UAE	1157	52.7	47.7	42.8	47.7	42.8	9.1	0.3	46.1	58.6
Sharjah, UAE	896	41.9	38.2	52.8	38.2	52.8	8.6	0.4	41.7	42.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Reasoning

B_MM4_10 ME72109: Rule to express y in terms of x - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	21.2	18.5	68.9	18.5	68.9	12.0	0.6	19.9	22.2
Austria	656	18.5	14.2	62.8	14.2	62.8	22.7	0.3	19.1	17.8
Azerbaijan	884	24.6	15.5	47.5	15.5	47.5	36.4	0.7	23.0	26.0
Bahrain	735	9.2	8.4	82.0	8.4	82.0	8.9	0.7	9.0	9.4
Brazil	3279	6.6	4.8	68.4	4.8	68.4	26.0	0.8	7.1	6.2
Chile	633	3.9	2.6	65.0	2.6	65.0	31.1	1.3	3.8	3.9
Chinese Taipei	798	46.7	44.2	50.4	44.2	50.4	5.4	0.0	46.1	47.3
Cyprus	593	16.8	12.9	63.8	12.9	63.8	22.2	1.1	18.6	15.1
Czech Republic	1176	22.6	17.8	61.0	17.8	61.0	21.2	0.1	20.2	24.8
England	620	17.6	14.3	66.9	14.3	66.9	17.8	1.0	16.0	19.4
Finland	836	13.2	11.1	73.3	11.1	73.3	14.9	0.7	9.8	16.2
France	634	10.4	7.7	66.3	7.7	66.3	25.9	0.1	7.6	13.2
Georgia	705	20.7	13.5	51.8	13.5	51.8	34.3	0.4	23.7	17.8
Hong Kong SAR	638	42.0	39.2	54.1	39.2	54.1	6.6	0.1	39.3	44.9
Hungary	771	15.1	13.8	77.7	13.8	77.7	8.4	0.1	14.8	15.3
Ireland	711	13.0	10.9	72.5	10.9	72.5	16.6	0.1	12.7	13.3
Israel	735	28.3	21.7	54.9	21.7	54.9	22.6	0.8	28.5	28.2
Italy	651	17.2	11.9	57.4	11.9	57.4	30.7	0.0	14.4	20.2
Japan	565	43.9	35.8	45.8	35.8	45.8	18.2	0.2	42.4	45.3
Jordan	993	4.6	4.1	85.0	4.1	85.0	10.7	0.2	5.9	3.3
Kazakhstan	903	12.4	9.4	66.6	9.4	66.6	22.5	1.4	12.4	12.4
Korea, Rep. of	616	38.1	32.7	53.3	32.7	53.3	13.9	0.1	33.3	43.1
Lithuania	776	18.0	13.2	59.9	13.2	59.9	26.9	0.0	17.8	18.2
Malaysia	1274	2.3	2.2	93.6	2.2	93.6	4.1	0.1	1.5	3.2
Malta	568	15.2	12.9	72.0	12.9	72.0	14.4	0.7	15.2	15.3
Morocco	1235	5.9	4.5	71.6	4.5	71.6	22.5	1.5	7.1	4.5
New Zealand	553	11.2	9.7	76.9	9.7	76.9	12.9	0.4	9.0	12.8
Norway (9)	899	12.9	10.2	68.6	10.2	68.6	19.0	2.2	12.7	13.1
Oman	1165	7.7	6.8	81.4	6.8	81.4	11.4	0.4	8.5	7.0
Palestinian Nat'l Auth.	924	9.8	9.0	82.7	9.0	82.7	7.2	1.1	12.2	7.5
Portugal	760	10.6	7.9	66.6	7.9	66.6	24.7	0.9	12.0	9.3
Qatar	619	11.6	10.0	76.5	10.0	76.5	12.3	1.2	9.8	13.4
Romania	537	35.8	28.1	50.4	28.1	50.4	21.4	0.2	38.4	33.4
Saudi Arabia	845	4.3	4.2	93.1	4.2	93.1	2.1	0.6	5.3	3.5
Singapore	692	56.5	54.4	41.9	54.4	41.9	3.7	0.0	55.5	57.4
Sweden	725	13.1	10.4	69.3	10.4	69.3	19.4	0.9	9.3	16.4
Turkiye	699	27.2	20.3	54.4	20.3	54.4	25.3	0.0	22.3	31.8
United Arab Emirates	4668	22.0	20.2	71.6	20.2	71.6	7.0	1.1	19.4	24.6
United States	1120	15.0	13.8	78.1	13.8	78.1	7.1	1.0	13.4	16.6
Uzbekistan	621	10.6	8.7	73.8	8.7	73.8	16.7	0.7	11.3	9.9
International Avg. (40)	38036	18.4	15.3	66.9	15.3	66.9	17.2	0.6	17.7	19.1
Abu Dhabi, UAE	1745	13.2	12.2	80.0	12.2	80.0	6.2	1.6	11.5	15.0
Dubai, UAE	1158	35.9	33.0	59.0	33.0	59.0	7.0	1.0	32.4	39.0
Sharjah, UAE	896	25.2	23.2	68.8	23.2	68.8	7.4	0.6	23.9	26.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_MM4_11 ME72125: Area of square given side length of hexagon - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	33.1	32.5	28.9	21.6	14.9	1.5	0.6	32.5	33.6
Austria	656	42.1	41.5	32.1	14.4	10.6	1.0	0.3	40.1	44.0
Azerbaijan	884	37.0	36.6	33.0	17.2	12.0	0.3	0.9	37.9	36.0
Bahrain	735	20.5	20.3	38.9	23.4	16.3	0.4	0.7	22.0	19.1
Brazil	3279	9.4	9.2	31.2	26.5	31.0	1.2	1.0	10.4	8.5
Chile	633	16.1	15.4	34.1	23.4	22.8	2.9	1.5	14.0	17.7
Chinese Taipei	798	76.1	76.1	12.4	7.6	3.9	0.0	0.0	76.0	76.1
Cyprus	593	36.0	35.3	28.9	21.1	12.7	0.8	1.2	33.1	38.9
Czech Republic	1176	35.5	35.2	29.4	18.5	15.9	0.6	0.3	32.3	38.4
England	620	41.2	40.3	26.4	22.0	9.1	1.2	1.0	36.9	45.6
Finland	837	37.9	37.3	30.1	22.8	8.3	1.0	0.7	33.2	42.4
France	634	20.4	20.4	33.3	28.1	17.9	0.3	0.1	20.4	20.5
Georgia	705	32.3	31.8	34.3	18.8	13.5	1.2	0.4	32.9	31.7
Hong Kong SAR	638	62.2	61.4	19.9	12.3	5.0	1.0	0.3	60.1	64.4
Hungary	771	26.9	26.8	29.3	30.1	13.6	0.1	0.1	25.8	28.0
Ireland	711	34.5	34.4	27.0	24.7	13.8	0.1	0.1	30.7	37.6
Israel	735	35.6	35.0	24.0	26.9	12.4	0.7	1.0	33.1	38.2
Italy	651	52.9	52.7	26.2	12.4	8.3	0.4	0.0	49.8	56.1
Japan	565	52.8	52.6	22.4	13.8	10.8	0.2	0.2	49.9	55.5
Jordan	998	19.2	19.0	40.2	23.5	16.5	0.4	0.3	19.8	18.6
Kazakhstan	903	24.1	23.4	36.2	21.0	16.5	1.1	1.8	24.5	23.7
Korea, Rep. of	616	68.2	67.7	13.8	10.3	7.5	0.4	0.3	69.7	66.6
Lithuania	776	45.7	45.7	23.2	19.1	12.0	0.0	0.0	49.6	41.9
Malaysia	1273	13.7	13.7	28.7	26.0	31.3	0.2	0.1	12.0	15.6
Malta	568	27.6	27.3	32.3	23.9	15.5	0.3	0.7	26.1	29.2
Morocco	1235	11.3	11.1	30.8	31.9	23.8	0.6	1.8	12.7	9.8
New Zealand	553	23.4	22.7	35.8	26.9	11.7	2.6	0.4	21.5	25.0
Norway (9)	899	39.6	37.8	27.8	22.6	7.2	2.3	2.3	40.6	38.7
Oman	1165	20.7	20.5	30.7	29.6	18.0	0.7	0.5	16.7	24.4
Palestinian Nat'l Auth.	924	18.8	18.5	44.7	20.9	14.4	0.5	1.1	18.1	19.4
Portugal	760	33.3	32.8	26.3	23.1	16.1	0.7	0.9	32.9	33.8
Qatar	620	21.2	20.8	38.3	23.5	15.5	0.7	1.2	19.8	22.5
Romania	537	48.8	48.3	29.1	9.8	11.7	0.9	0.2	54.1	43.9
Saudi Arabia	845	21.7	21.5	34.1	23.9	19.5	0.5	0.6	24.7	19.0
Singapore	692	74.7	74.7	12.7	8.0	4.6	0.0	0.0	73.7	75.7
Sweden	725	50.2	48.8	23.0	17.3	8.1	1.7	1.1	50.8	49.6
Turkiye	699	45.1	45.1	17.9	20.4	16.6	0.0	0.0	47.6	42.5
United Arab Emirates	4668	32.6	31.9	31.0	20.0	15.1	0.6	1.4	29.7	35.4
United States	1120	30.5	29.9	34.2	21.7	12.2	0.7	1.2	26.5	34.4
Uzbekistan	621	21.9	21.7	31.9	29.5	15.9	0.2	0.9	22.8	21.0
International Avg. (40)	38042	34.9	34.4	29.1	21.0	14.1	0.7	0.7	34.1	35.6
Abu Dhabi, UAE	1745	23.6	23.0	33.4	24.1	16.7	0.7	2.1	23.4	23.9
Dubai, UAE	1158	48.4	47.6	25.9	15.1	9.9	0.2	1.3	42.6	53.6
Sharjah, UAE	896	34.1	33.7	30.4	18.2	16.4	0.7	0.6	31.2	37.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_MM4_12 ME72196: Diameter of semicircle on ice cream logo - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	44.8	40.6	50.0	40.6	50.0	8.7	0.8	47.4	42.7
Austria	656	43.3	37.9	49.7	37.9	49.7	12.1	0.3	41.7	44.9
Azerbaijan	883	33.2	27.0	54.3	27.0	54.3	17.8	0.9	32.9	33.5
Bahrain	735	17.8	17.0	78.6	17.0	78.6	3.7	0.7	16.6	18.9
Brazil	3279	9.9	8.7	79.1	8.7	79.1	10.9	1.3	9.3	10.4
Chile	633	18.7	15.1	65.6	15.1	65.6	17.8	1.5	13.5	22.8
Chinese Taipei	798	62.3	61.2	37.1	61.2	37.1	1.7	0.0	61.4	63.1
Cyprus	592	33.3	29.1	58.2	29.1	58.2	11.6	1.2	34.8	32.0
Czech Republic	1175	47.5	42.6	47.0	42.6	47.0	10.0	0.3	41.9	52.6
England	620	55.1	50.2	40.9	50.2	40.9	7.7	1.3	50.3	60.1
Finland	835	35.0	32.3	59.8	32.3	59.8	7.2	0.7	29.3	40.2
France	633	38.3	34.2	55.2	34.2	55.2	10.5	0.1	34.8	41.8
Georgia	704	31.6	25.4	54.9	25.4	54.9	19.3	0.4	32.2	30.9
Hong Kong SAR	637	51.7	49.7	46.4	49.7	46.4	3.7	0.3	48.7	54.9
Hungary	771	42.0	40.6	56.0	40.6	56.0	3.3	0.1	40.3	43.8
Ireland	711	52.0	49.4	45.6	49.4	45.6	5.0	0.1	51.8	52.2
Israel	735	40.1	35.2	52.7	35.2	52.7	11.0	1.1	39.3	40.8
Italy	651	43.6	37.6	48.7	37.6	48.7	13.7	0.0	37.9	49.5
Japan	565	51.5	49.6	46.7	49.6	46.7	3.4	0.2	48.3	54.7
Jordan	998	7.7	7.5	89.3	7.5	89.3	2.9	0.3	5.7	9.6
Kazakhstan	902	25.6	22.6	65.6	22.6	65.6	10.0	1.9	22.7	28.5
Korea, Rep. of	615	54.7	53.0	43.9	53.0	43.9	2.8	0.3	53.2	56.4
Lithuania	776	45.1	40.0	48.7	40.0	48.7	11.3	0.0	45.2	45.0
Malaysia	1273	13.3	13.1	85.1	13.1	85.1	1.6	0.2	13.2	13.5
Malta	568	41.3	38.2	54.3	38.2	54.3	6.8	0.7	41.5	41.1
Morocco	1235	7.5	6.7	83.6	6.7	83.6	7.8	1.9	9.4	5.4
New Zealand	553	29.2	26.7	64.5	26.7	64.5	8.4	0.4	28.6	29.9
Norway (9)	899	43.9	36.6	46.7	36.6	46.7	14.1	2.6	45.1	43.0
Oman	1164	9.4	8.8	84.8	8.8	84.8	5.8	0.7	7.7	10.9
Palestinian Nat'l Auth.	924	7.0	6.6	88.2	6.6	88.2	4.1	1.1	8.9	5.1
Portugal	759	37.9	33.7	55.2	33.7	55.2	10.2	1.0	38.8	37.2
Qatar	620	23.9	22.2	70.8	22.2	70.8	5.8	1.2	22.5	25.1
Romania	537	28.5	24.9	62.4	24.9	62.4	12.0	0.7	31.8	25.1
Saudi Arabia	845	8.0	7.8	89.8	7.8	89.8	1.7	0.7	7.3	8.7
Singapore	692	67.8	66.7	31.6	66.7	31.6	1.7	0.0	65.9	69.7
Sweden	725	43.0	36.2	48.0	36.2	48.0	14.7	1.2	40.0	45.6
Turkiye	699	35.5	31.6	57.5	31.6	57.5	10.8	0.0	37.7	33.2
United Arab Emirates	4667	33.0	31.0	63.0	31.0	63.0	4.4	1.5	32.3	33.7
United States	1120	33.5	31.7	62.9	31.7	62.9	4.2	1.2	30.7	36.2
Uzbekistan	621	16.2	14.9	77.1	14.9	77.1	7.1	0.9	15.9	16.6
International Avg. (40)	38029	34.1	31.1	60.0	31.1	60.0	8.2	0.7	32.9	35.2
Abu Dhabi, UAE	1745	23.4	22.0	72.0	22.0	72.0	3.6	2.4	23.7	23.2
Dubai, UAE	1158	51.9	48.6	45.0	48.6	45.0	5.1	1.3	49.0	54.7
Sharjah, UAE	895	34.0	31.8	61.8	31.8	61.8	5.5	0.9	34.7	33.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Reasoning
B_MM4_13 ME72237: Net of a triangular prism - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	80.9	8.5	6.4	4.0	79.9	0.2	1.0	79.8	81.9
Austria	656	77.4	10.8	6.5	5.2	77.2	0.0	0.3	78.6	76.2
Azerbaijan	884	48.5	28.0	15.0	7.5	47.5	0.5	1.5	50.5	46.5
Bahrain	735	45.8	24.5	14.9	14.3	45.3	0.3	0.7	47.1	44.5
Brazil	3279	48.6	25.0	15.5	9.9	47.7	0.3	1.6	46.1	50.8
Chile	633	59.2	18.1	13.2	8.6	57.8	0.5	1.8	58.1	60.2
Chinese Taipei	797	79.3	10.1	4.6	6.0	79.3	0.0	0.0	81.4	77.4
Cyprus	593	67.1	14.7	12.8	4.7	66.0	0.4	1.4	66.5	67.8
Czech Republic	1176	79.6	8.3	6.4	5.7	79.2	0.1	0.4	80.1	79.1
England	620	75.4	13.5	6.1	4.3	73.4	1.0	1.6	77.0	73.7
Finland	837	74.1	9.6	10.3	5.3	72.1	2.1	0.7	77.5	70.9
France	634	69.3	13.8	9.2	7.4	68.7	0.2	0.8	71.2	67.3
Georgia	705	50.2	23.7	14.8	10.9	49.7	0.6	0.4	53.4	46.4
Hong Kong SAR	638	82.1	7.4	5.5	4.9	81.6	0.3	0.3	80.6	83.6
Hungary	771	75.2	11.0	8.3	5.4	75.1	0.0	0.1	74.7	75.7
Ireland	711	80.7	9.9	3.5	5.9	80.2	0.4	0.2	83.8	78.1
Israel	735	57.2	20.2	10.7	11.2	56.2	0.5	1.2	55.9	58.5
Italy	651	69.7	16.2	8.4	5.6	69.3	0.2	0.3	71.0	68.4
Japan	565	86.8	6.9	2.2	4.1	86.7	0.0	0.2	83.3	90.3
Jordan	998	41.2	29.5	16.5	12.4	41.0	0.0	0.5	42.6	39.9
Kazakhstan	903	52.6	19.1	14.3	12.6	51.0	1.0	2.0	53.5	51.7
Korea, Rep. of	616	80.2	7.8	3.2	8.7	79.9	0.0	0.3	75.9	84.7
Lithuania	776	78.7	8.5	7.8	4.9	78.0	0.6	0.2	79.8	77.5
Malaysia	1273	61.4	22.6	8.7	7.1	61.0	0.1	0.5	60.9	62.0
Malta	568	75.7	14.7	6.5	2.8	74.8	0.4	0.9	76.6	74.8
Morocco	1235	48.4	27.1	11.0	12.1	47.0	0.7	2.1	48.6	48.1
New Zealand	553	76.6	14.5	5.0	3.7	75.9	0.5	0.4	71.7	80.8
Norway (9)	899	80.9	8.5	6.5	3.4	77.8	1.1	2.7	81.8	80.1
Oman	1165	57.0	27.9	8.6	5.8	56.0	0.4	1.4	56.6	57.3
Palestinian Nat'l Auth.	924	35.6	31.8	17.8	13.7	35.0	0.4	1.2	40.6	30.6
Portugal	760	72.0	11.8	8.9	6.9	71.0	0.1	1.4	72.9	71.2
Qatar	620	54.6	24.2	12.1	8.3	53.6	0.7	1.2	57.4	52.0
Romania	537	62.3	19.2	11.0	6.9	61.3	0.8	0.8	64.5	60.3
Saudi Arabia	845	40.9	36.9	12.7	9.1	40.5	0.0	0.8	42.2	39.6
Singapore	692	83.3	10.7	3.7	2.4	83.3	0.0	0.0	84.8	81.8
Sweden	725	70.9	11.1	11.4	5.7	68.8	1.3	1.6	70.9	70.9
Turkiye	699	59.3	22.9	8.6	9.2	59.2	0.1	0.1	56.1	62.6
United Arab Emirates	4668	60.8	21.6	9.8	6.7	59.2	0.7	2.0	62.7	58.9
United States	1120	72.8	13.7	8.2	4.8	71.2	0.2	1.9	71.5	74.0
Uzbekistan	621	42.3	19.7	21.3	15.8	41.6	0.4	1.2	40.1	44.6
International Avg. (40)	38041	65.4	17.1	9.7	7.3	64.5	0.4	0.9	65.7	65.0
Abu Dhabi, UAE	1745	59.1	22.4	10.4	6.8	57.3	0.5	2.6	60.3	58.0
Dubai, UAE	1158	70.7	15.1	8.2	5.3	68.9	0.8	1.7	71.2	70.2
Sharjah, UAE	896	59.2	23.5	9.0	7.4	57.9	0.4	1.8	60.6	57.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MM4_14 ME72232: Important for fair basketball tryout (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	60.6	59.8	15.7	23.2	59.8	38.9	0.3	1.0	60.3	60.8
Austria	656	60.5	60.3	12.0	27.3	60.3	39.3	0.1	0.3	61.4	59.7
Azerbaijan	884	40.7	38.7	28.8	27.7	38.7	56.5	3.2	1.5	46.6	34.7
Bahrain	735	29.8	29.5	33.0	36.2	29.5	69.2	0.5	0.8	32.2	27.6
Brazil	3279	35.0	34.2	32.7	30.8	34.2	63.4	0.7	1.7	38.4	32.0
Chile	633	31.6	30.7	36.2	30.2	30.7	66.4	0.9	2.0	32.3	31.0
Chinese Taipei	798	60.8	60.8	21.3	17.9	60.8	39.2	0.0	0.0	60.6	61.0
Cyprus	593	53.2	52.4	21.6	24.4	52.4	46.0	0.2	1.4	55.1	51.4
Czech Republic	1176	68.3	67.9	9.6	22.0	67.9	31.6	0.2	0.4	68.4	68.1
England	620	72.2	70.5	13.8	13.3	70.5	27.1	0.8	1.6	72.1	72.4
Finland	837	54.6	53.8	16.7	28.1	53.8	44.8	0.6	0.8	57.2	52.1
France	634	58.4	58.0	13.8	27.5	58.0	41.3	0.0	0.8	61.0	55.6
Georgia	705	46.3	45.4	25.5	27.1	45.4	52.6	1.6	0.4	49.7	42.5
Hong Kong SAR	638	55.0	54.8	20.7	24.0	54.8	44.7	0.2	0.3	50.4	60.0
Hungary	771	51.0	50.9	16.8	32.2	50.9	49.0	0.0	0.1	56.4	45.4
Ireland	711	59.9	59.7	17.3	22.7	59.7	40.1	0.0	0.2	61.2	58.8
Israel	735	59.9	58.8	22.6	16.7	58.8	39.3	0.5	1.4	61.2	58.7
Italy	651	47.6	47.4	26.0	26.0	47.4	52.1	0.3	0.3	49.9	45.3
Japan	565	76.1	75.8	10.1	13.8	75.8	23.9	0.2	0.2	74.6	77.5
Jordan	998	23.7	23.4	35.7	39.7	23.4	75.4	0.7	0.5	27.3	20.1
Kazakhstan	903	35.5	34.3	29.5	32.9	34.3	62.4	0.9	2.3	38.8	32.3
Korea, Rep. of	616	69.6	69.3	10.9	19.4	69.3	30.3	0.2	0.3	68.0	71.3
Lithuania	776	53.9	53.6	12.7	33.1	53.6	45.8	0.3	0.2	55.9	52.0
Malaysia	1273	31.5	31.3	27.2	40.9	31.3	68.1	0.1	0.5	32.7	30.2
Malta	568	59.1	58.6	19.4	21.1	58.6	40.5	0.0	0.9	60.9	57.2
Morocco	1235	10.6	10.2	34.1	51.3	10.2	85.5	2.1	2.3	12.6	8.4
New Zealand	553	48.0	47.5	20.5	31.0	47.5	51.5	0.6	0.4	46.8	49.2
Norway (9)	899	57.2	55.2	17.1	24.2	55.2	41.3	0.8	2.7	57.7	56.7
Oman	1165	23.0	22.5	32.2	43.1	22.5	75.2	0.5	1.7	24.6	21.7
Palestinian Nat'l Auth.	924	18.4	18.1	45.0	35.4	18.1	80.4	0.3	1.3	18.4	18.3
Portugal	760	58.5	57.6	17.5	23.4	57.6	40.8	0.2	1.4	58.1	58.9
Qatar	620	38.7	37.8	32.0	27.9	37.8	59.9	1.1	1.2	40.4	37.1
Romania	537	40.1	39.4	18.8	40.1	39.4	58.9	0.8	0.8	43.9	36.6
Saudi Arabia	845	23.8	23.5	31.7	43.8	23.5	75.5	0.1	0.8	28.3	19.6
Singapore	692	73.8	73.8	7.0	19.3	73.8	26.2	0.0	0.0	74.3	73.3
Sweden	724	51.9	50.6	19.0	27.9	50.6	46.9	0.9	1.6	55.5	48.5
Turkiye	699	67.2	66.9	11.6	21.1	66.9	32.7	0.4	0.1	70.8	63.4
United Arab Emirates	4668	43.3	42.1	23.4	31.6	42.1	55.0	0.6	2.3	43.8	42.9
United States	1120	56.2	55.0	13.9	28.9	55.0	42.8	0.2	2.0	58.5	54.0
Uzbekistan	621	20.1	19.8	54.6	24.0	19.8	78.6	0.1	1.5	20.4	19.7
International Avg. (40)	38041	48.1	47.5	22.7	28.3	47.5	51.0	0.5	1.0	49.7	46.6
Abu Dhabi, UAE	1745	36.9	35.7	23.7	37.1	35.7	60.9	0.6	2.9	38.8	35.1
Dubai, UAE	1158	62.6	61.0	14.5	22.0	61.0	36.5	0.5	2.0	61.6	63.4
Sharjah, UAE	896	41.5	40.4	25.2	31.8	40.4	57.0	0.7	1.9	41.9	41.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_MM4_14A ME72232A: Important for fair basketball tryout - distance from hoop - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	93.5	92.3	6.4	0.3	1.0	94.9	92.2
Austria	656	91.6	91.2	8.4	0.1	0.3	92.5	90.7
Azerbaijan	884	86.5	82.4	12.8	3.2	1.5	88.7	84.4
Bahrain	735	80.9	79.9	18.8	0.5	0.8	84.9	77.1
Brazil	3279	87.9	85.8	11.8	0.7	1.7	89.4	86.5
Chile	633	86.3	83.8	13.3	0.9	2.0	86.4	86.2
Chinese Taipei	798	95.0	95.0	5.0	0.0	0.0	95.5	94.4
Cyprus	593	86.8	85.4	13.0	0.2	1.4	87.7	85.9
Czech Republic	1176	95.9	95.4	4.1	0.2	0.4	96.7	95.1
England	620	95.8	93.5	4.1	0.8	1.6	98.0	93.6
Finland	837	88.3	87.0	11.6	0.6	0.8	90.0	86.7
France	634	94.0	93.3	6.0	0.0	0.8	94.3	93.6
Georgia	705	88.2	86.4	11.6	1.6	0.4	90.7	85.4
Hong Kong SAR	638	92.7	92.2	7.3	0.2	0.3	92.1	93.2
Hungary	771	92.3	92.2	7.7	0.0	0.1	94.7	89.9
Ireland	711	95.2	95.0	4.8	0.0	0.2	95.8	94.7
Israel	735	89.7	88.0	10.1	0.5	1.4	91.1	88.3
Italy	651	87.7	87.1	12.3	0.3	0.3	88.2	87.1
Japan	565	97.1	96.7	2.9	0.2	0.2	98.4	95.8
Jordan	998	76.4	75.5	23.3	0.7	0.5	80.7	72.1
Kazakhstan	903	85.4	82.6	14.1	0.9	2.3	89.3	81.5
Korea, Rep. of	616	96.1	95.6	3.9	0.2	0.3	96.9	95.2
Lithuania	776	93.2	92.7	6.8	0.3	0.2	95.9	90.6
Malaysia	1273	90.8	90.3	9.1	0.1	0.5	92.8	88.7
Malta	568	90.5	89.7	9.4	0.0	0.9	91.3	89.7
Morocco	1235	55.3	52.9	42.7	2.1	2.3	57.6	52.7
New Zealand	553	87.7	86.8	12.2	0.6	0.4	91.2	85.5
Norway (9)	899	90.2	87.1	9.4	0.8	2.7	90.9	89.6
Oman	1165	62.3	60.9	36.9	0.5	1.7	65.1	59.8
Palestinian Nat'l Auth.	924	74.6	73.5	25.0	0.3	1.3	76.6	72.7
Portugal	760	93.8	92.3	6.1	0.2	1.4	96.0	91.8
Qatar	620	87.0	85.0	12.7	1.1	1.2	91.2	83.2
Romania	537	88.5	87.0	11.4	0.8	0.8	91.4	85.7
Saudi Arabia	845	83.5	82.7	16.4	0.1	0.8	88.2	79.1
Singapore	692	97.7	97.7	2.3	0.0	0.0	97.2	98.2
Sweden	724	92.7	90.4	7.1	0.9	1.6	93.5	92.0
Turkiye	699	95.9	95.5	4.0	0.4	0.1	97.3	94.6
United Arab Emirates	4668	86.8	84.3	12.8	0.6	2.3	88.3	85.4
United States	1120	89.7	87.7	10.1	0.2	2.0	91.6	87.8
Uzbekistan	621	76.5	75.3	23.1	0.1	1.5	76.9	76.1
International Avg. (40)	38041	88.0	86.7	11.8	0.5	1.0	89.7	86.3
Abu Dhabi, UAE	1745	81.1	78.3	18.2	0.6	2.9	83.4	78.9
Dubai, UAE	1158	93.4	91.0	6.4	0.5	2.0	93.2	93.6
Sharjah, UAE	896	88.5	86.1	11.2	0.7	1.9	89.6	87.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MM4_14B ME72232B: Important for fair basketball tryout - number of players - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	78.6	21.2	77.6	0.3	1.0	74.1	82.5
Austria	656	73.3	26.5	73.1	0.1	0.3	73.7	73.0
Azerbaijan	884	74.9	23.9	71.3	3.2	1.5	73.1	76.7
Bahrain	735	68.4	31.2	67.5	0.5	0.8	66.2	70.4
Brazil	3279	71.8	27.5	70.1	0.7	1.7	70.1	73.3
Chile	633	72.7	26.5	70.5	0.9	2.0	70.3	74.7
Chinese Taipei	798	83.2	16.8	83.2	0.0	0.0	84.3	82.3
Cyprus	593	78.0	21.6	76.8	0.2	1.4	74.3	81.6
Czech Republic	1176	78.9	21.0	78.5	0.2	0.4	79.1	78.7
England	620	87.0	12.7	84.9	0.8	1.6	87.6	86.3
Finland	837	74.0	25.6	73.0	0.6	0.8	73.7	74.3
France	634	73.7	26.1	73.2	0.0	0.8	77.2	70.0
Georgia	705	77.1	22.4	75.5	1.6	0.4	79.0	74.9
Hong Kong SAR	638	79.2	20.7	78.8	0.2	0.3	75.7	83.0
Hungary	771	70.4	29.6	70.3	0.0	0.1	72.1	68.6
Ireland	711	78.1	21.8	78.0	0.0	0.2	76.1	79.9
Israel	735	87.4	12.3	85.8	0.5	1.4	88.2	86.6
Italy	651	75.5	24.4	75.1	0.3	0.3	77.1	73.9
Japan	565	88.9	11.0	88.6	0.2	0.2	87.3	90.6
Jordan	998	66.0	33.6	65.2	0.7	0.5	64.3	67.6
Kazakhstan	903	68.6	30.4	66.3	0.9	2.3	69.1	68.1
Korea, Rep. of	616	81.8	18.2	81.4	0.2	0.3	80.5	83.1
Lithuania	776	70.8	29.1	70.4	0.3	0.2	68.7	72.8
Malaysia	1273	64.1	35.7	63.7	0.1	0.5	62.4	65.8
Malta	568	80.8	19.0	80.1	0.0	0.9	82.2	79.3
Morocco	1235	65.8	32.7	62.9	2.1	2.3	65.9	65.6
New Zealand	553	71.9	27.8	71.2	0.6	0.4	72.6	71.8
Norway (9)	899	79.0	20.2	76.3	0.8	2.7	75.2	82.5
Oman	1165	62.6	36.5	61.2	0.5	1.7	62.9	62.4
Palestinian Nat'l Auth.	924	71.7	27.9	70.6	0.3	1.3	72.8	70.6
Portugal	760	79.3	20.3	78.1	0.2	1.4	79.3	79.3
Qatar	620	74.0	25.4	72.2	1.1	1.2	75.8	72.2
Romania	537	61.2	38.2	60.2	0.8	0.8	61.9	60.4
Saudi Arabia	845	61.0	38.6	60.4	0.1	0.8	62.2	59.9
Singapore	692	84.3	15.7	84.3	0.0	0.0	84.1	84.4
Sweden	724	75.8	23.6	73.9	0.9	1.6	74.2	77.3
Turkiye	699	80.7	19.2	80.4	0.4	0.1	80.1	81.3
United Arab Emirates	4668	72.0	27.2	70.0	0.6	2.3	71.5	72.5
United States	1120	74.7	24.7	73.1	0.2	2.0	76.3	73.2
Uzbekistan	621	79.2	20.5	77.9	0.1	1.5	78.2	80.2
International Avg. (40)	38041	74.9	24.7	73.8	0.5	1.0	74.5	75.3
Abu Dhabi, UAE	1745	69.0	29.9	66.6	0.6	2.9	68.5	69.5
Dubai, UAE	1158	80.5	19.0	78.4	0.5	2.0	79.3	81.5
Sharjah, UAE	896	69.6	29.6	67.8	0.7	1.9	68.2	71.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MM4_14C ME72232C: Important for fair basketball tryout - color of ball - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	96.1	3.8	94.9	0.3	1.0	98.1	94.3
Austria	656	98.2	1.8	97.8	0.1	0.3	98.9	97.5
Azerbaijan	884	94.0	5.7	89.5	3.2	1.5	96.8	91.2
Bahrain	735	91.5	8.4	90.3	0.5	0.8	93.1	89.9
Brazil	3279	94.6	5.2	92.4	0.7	1.7	95.4	94.0
Chile	633	94.9	4.9	92.1	0.9	2.0	93.5	96.1
Chinese Taipei	798	97.5	2.5	97.5	0.0	0.0	98.8	96.3
Cyprus	593	95.1	4.8	93.6	0.2	1.4	96.3	93.9
Czech Republic	1176	97.7	2.2	97.2	0.2	0.4	97.3	98.2
England	620	98.5	1.5	96.1	0.8	1.6	98.6	98.3
Finland	837	96.4	3.6	95.0	0.6	0.8	97.4	95.4
France	634	96.1	3.8	95.4	0.0	0.8	97.5	94.7
Georgia	705	92.5	7.3	90.6	1.6	0.4	94.2	90.7
Hong Kong SAR	638	94.8	5.2	94.3	0.2	0.3	95.7	93.8
Hungary	771	95.8	4.2	95.7	0.0	0.1	98.9	92.7
Ireland	711	98.2	1.8	98.0	0.0	0.2	98.9	97.7
Israel	735	94.9	5.0	93.1	0.5	1.4	96.3	93.4
Italy	651	97.7	2.2	97.2	0.3	0.3	98.2	97.2
Japan	565	96.5	3.5	96.1	0.2	0.2	95.9	97.0
Jordan	998	87.4	12.4	86.4	0.7	0.5	88.8	86.1
Kazakhstan	903	95.9	4.0	92.7	0.9	2.3	97.0	94.7
Korea, Rep. of	616	97.4	2.6	97.0	0.2	0.3	97.9	96.9
Lithuania	776	94.0	5.9	93.6	0.3	0.2	95.1	93.0
Malaysia	1273	90.2	9.8	89.6	0.1	0.5	92.7	87.4
Malta	568	96.1	3.9	95.3	0.0	0.9	98.0	94.0
Morocco	1235	74.9	24.0	71.6	2.1	2.3	79.4	69.7
New Zealand	553	96.2	3.8	95.2	0.6	0.4	97.2	95.4
Norway (9)	899	93.1	6.7	89.8	0.8	2.7	93.9	92.3
Oman	1165	89.7	10.1	87.6	0.5	1.7	92.1	87.5
Palestinian Nat'l Auth.	924	88.3	11.5	86.9	0.3	1.3	93.3	83.4
Portugal	760	96.3	3.6	94.8	0.2	1.4	97.0	95.6
Qatar	620	95.1	4.7	92.9	1.1	1.2	97.0	93.4
Romania	537	96.6	3.4	95.0	0.8	0.8	97.6	95.6
Saudi Arabia	845	88.3	11.5	87.5	0.1	0.8	91.9	85.1
Singapore	692	94.4	5.6	94.4	0.0	0.0	95.2	93.7
Sweden	724	93.2	6.6	90.9	0.9	1.6	95.6	90.9
Turkiye	699	95.4	4.5	95.0	0.4	0.1	97.0	93.9
United Arab Emirates	4668	91.7	8.1	89.0	0.6	2.3	94.5	88.9
United States	1120	93.6	6.3	91.5	0.2	2.0	94.6	92.7
Uzbekistan	621	95.4	4.5	93.9	0.1	1.5	96.9	93.8
International Avg. (40)	38041	94.1	5.8	92.7	0.5	1.0	95.6	92.7
Abu Dhabi, UAE	1745	88.1	11.5	85.0	0.6	2.9	90.9	85.3
Dubai, UAE	1158	95.7	4.2	93.2	0.5	2.0	97.2	94.3
Sharjah, UAE	896	94.2	5.6	91.8	0.7	1.9	96.5	92.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_MM4_14D ME72232D: Important for fair basketball tryout - weight of ball - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	74.0	73.1	25.6	0.3	1.0	76.4	71.9
Austria	656	74.7	74.4	25.2	0.1	0.3	76.0	73.5
Azerbaijan	884	52.8	50.3	44.9	3.2	1.5	59.0	46.6
Bahrain	735	51.5	50.8	47.9	0.5	0.8	56.0	47.2
Brazil	3279	52.2	50.9	46.7	0.7	1.7	57.2	47.7
Chile	633	45.5	44.2	52.8	0.9	2.0	46.4	44.8
Chinese Taipei	798	75.4	75.4	24.6	0.0	0.0	73.8	77.0
Cyprus	593	70.3	69.2	29.3	0.2	1.4	72.5	68.1
Czech Republic	1176	83.3	82.8	16.6	0.2	0.4	83.6	82.9
England	620	79.4	77.5	20.1	0.8	1.6	79.4	79.4
Finland	837	70.7	69.7	28.9	0.6	0.8	74.0	67.5
France	634	73.9	73.4	25.9	0.0	0.8	73.9	74.0
Georgia	705	64.8	63.4	34.5	1.6	0.4	67.1	62.1
Hong Kong SAR	638	73.8	73.4	26.1	0.2	0.3	70.3	77.5
Hungary	771	65.4	65.3	34.6	0.0	0.1	70.0	60.8
Ireland	711	78.1	77.9	21.9	0.0	0.2	79.4	76.9
Israel	735	70.2	68.9	29.2	0.5	1.4	70.5	69.9
Italy	651	58.7	58.4	41.1	0.3	0.3	61.1	56.2
Japan	565	86.3	86.0	13.6	0.2	0.2	85.0	87.6
Jordan	998	51.5	50.9	47.9	0.7	0.5	53.4	49.6
Kazakhstan	903	54.1	52.4	44.4	0.9	2.3	55.6	52.6
Korea, Rep. of	616	78.4	78.0	21.5	0.2	0.3	80.5	76.2
Lithuania	776	72.2	71.8	27.6	0.3	0.2	74.4	70.1
Malaysia	1273	54.3	54.0	45.4	0.1	0.5	56.0	52.4
Malta	568	70.8	70.2	29.0	0.0	0.9	71.4	70.1
Morocco	1235	28.5	27.2	68.4	2.1	2.3	28.1	28.9
New Zealand	553	62.0	61.4	37.6	0.6	0.4	59.7	63.6
Norway (9)	899	71.3	68.8	27.7	0.8	2.7	75.4	67.6
Oman	1165	55.6	54.3	43.4	0.5	1.7	61.0	50.8
Palestinian Nat'l Auth.	924	37.9	37.3	61.2	0.3	1.3	38.1	37.7
Portugal	760	68.9	67.8	30.6	0.2	1.4	66.6	71.1
Qatar	620	52.0	50.8	46.8	1.1	1.2	52.4	51.7
Romania	537	58.8	57.8	40.6	0.8	0.8	61.5	56.2
Saudi Arabia	845	47.9	47.5	51.6	0.1	0.8	52.9	43.3
Singapore	692	88.5	88.5	11.5	0.0	0.0	88.4	88.5
Sweden	724	68.6	66.9	30.6	0.9	1.6	72.1	65.3
Turkiye	699	82.5	82.2	17.4	0.4	0.1	83.6	81.3
United Arab Emirates	4668	58.6	56.9	40.2	0.6	2.3	59.3	57.8
United States	1120	67.9	66.4	31.3	0.2	2.0	68.3	67.5
Uzbekistan	621	36.7	36.1	62.3	0.1	1.5	35.3	38.1
International Avg. (40)	38041	64.2	63.3	35.2	0.5	1.0	65.6	62.8
Abu Dhabi, UAE	1745	51.7	49.9	46.6	0.6	2.9	53.6	49.7
Dubai, UAE	1158	73.2	71.3	26.1	0.5	2.0	72.7	73.6
Sharjah, UAE	896	60.0	58.4	39.0	0.7	1.9	62.0	58.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Reasoning

B_MM4_15 ME72206: Pie charts for proportions of people by age - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1224	21.4	7.9	12.0	3.6	69.7	19.9	73.3	5.7	1.1	18.7	23.7
Austria	656	13.3	3.7	8.5	7.6	71.9	12.2	79.5	7.9	0.3	11.7	14.9
Azerbaijan	884	15.6	7.6	2.1	2.4	50.1	9.7	52.6	34.7	3.0	16.1	15.2
Bahrain	735	7.0	5.0	1.3	2.8	80.6	6.3	83.5	9.0	1.3	8.9	5.2
Brazil	3279	4.7	1.6	1.9	1.6	71.7	3.6	73.3	20.8	2.3	4.6	4.7
Chile	633	9.0	3.8	3.1	2.3	67.0	6.8	69.3	20.9	2.9	8.0	9.8
Chinese Taipei	796	30.5	24.3	5.0	1.4	65.4	29.3	66.8	4.0	0.0	28.1	32.9
Cyprus	593	10.2	3.2	5.0	7.6	65.2	8.2	72.8	17.6	1.4	10.2	10.1
Czech Republic	1176	21.3	9.5	8.7	3.3	64.2	18.3	67.5	13.7	0.5	16.6	25.3
England	619	28.8	14.9	10.7	9.7	53.8	25.6	63.4	9.0	1.9	24.8	32.8
Finland	837	20.4	9.4	9.2	0.8	71.9	18.6	72.7	7.9	0.9	16.0	24.3
France	634	11.8	5.4	4.8	0.5	74.8	10.1	75.2	13.9	0.8	10.0	13.6
Georgia	705	15.7	5.8	5.1	3.5	55.2	10.9	58.6	29.0	1.4	12.9	18.5
Hong Kong SAR	638	39.1	33.6	1.9	4.1	51.1	35.5	55.2	9.1	0.3	36.2	42.2
Hungary	771	17.3	9.0	7.1	1.5	75.3	16.1	76.8	7.0	0.1	16.7	17.9
Ireland	711	21.8	12.9	7.0	5.3	66.0	19.9	71.3	8.6	0.2	21.3	22.3
Israel	734	14.8	5.8	6.4	2.3	68.1	12.2	70.5	15.6	1.8	13.3	16.1
Italy	651	17.5	5.2	8.9	0.2	66.6	14.1	66.8	18.5	0.6	11.0	23.8
Japan	565	35.3	13.1	20.1	2.1	58.7	33.2	60.8	5.7	0.2	32.8	37.8
Jordan	992	1.0	0.4	0.5	1.6	87.0	0.9	88.6	9.4	1.0	1.8	0.3
Kazakhstan	902	8.9	4.9	2.5	4.6	70.6	7.3	75.2	14.6	2.9	7.7	10.1
Korea, Rep. of	616	26.8	23.1	2.7	2.0	68.6	25.8	70.6	3.1	0.5	22.9	30.9
Lithuania	722	16.6	9.3	5.1	4.5	67.9	14.4	72.4	12.7	0.5	15.4	17.7
Malaysia	1274	4.1	3.7	0.2	0.1	91.6	3.9	91.7	3.8	0.6	3.5	4.8
Malta	568	20.8	10.0	8.4	7.2	62.9	18.4	70.1	10.7	0.9	22.1	19.3
Morocco	1235	2.8	0.3	1.6	1.7	65.7	1.9	67.3	27.0	3.7	3.4	2.1
New Zealand	553	16.5	7.6	6.9	4.3	69.3	14.5	73.5	10.9	1.0	13.0	18.9
Norway (9)	899	21.2	7.3	10.6	4.0	62.6	17.9	66.5	12.2	3.3	20.6	21.8
Oman	1165	4.3	3.2	0.6	8.3	77.0	3.8	85.2	9.0	1.9	4.5	4.1
Palestinian Nat'l Auth.	924	1.8	0.7	0.9	4.6	83.1	1.6	87.6	9.4	1.3	1.1	2.5
Portugal	760	11.4	4.5	5.0	4.1	69.3	9.5	73.4	15.5	1.6	8.9	13.7
Qatar	619	7.7	4.8	1.9	0.6	79.6	6.7	80.2	10.9	2.2	5.6	9.7
Romania	536	29.0	13.6	11.0	7.3	52.8	24.6	60.2	14.0	1.2	29.9	28.3
Saudi Arabia	845	2.4	1.1	1.1	2.7	89.1	2.3	91.8	4.9	1.0	2.6	2.2
Singapore	692	43.2	34.8	7.9	3.4	52.7	42.7	56.1	1.2	0.0	37.5	48.8
Sweden	725	27.4	10.9	12.4	3.5	58.3	23.4	61.8	13.0	1.9	23.2	31.1
Turkiye	699	41.3	8.4	27.4	4.2	46.7	35.8	50.9	13.2	0.1	45.5	37.0
United Arab Emirates	4663	15.7	10.3	4.1	2.2	75.1	14.4	77.3	5.6	2.7	13.0	18.3
United States	1120	11.3	4.9	5.8	7.2	76.5	10.7	83.6	3.5	2.2	9.8	12.9
Uzbekistan	621	6.5	3.3	1.8	2.3	72.1	5.1	74.4	18.8	1.6	5.7	7.2
International Avg. (40)	37971	16.9	8.7	6.2	3.6	68.1	14.9	71.7	12.1	1.3	15.4	18.3
Abu Dhabi, UAE	1742	9.0	5.4	2.7	2.2	79.9	8.2	82.2	6.2	3.4	8.1	9.9
Dubai, UAE	1158	30.0	20.7	7.1	2.0	62.8	27.8	64.8	5.2	2.3	24.7	34.8
Sharjah, UAE	894	14.6	9.5	4.1	2.6	76.9	13.5	79.5	4.7	2.2	11.5	17.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

B_ME1_01 ME82724: Drag transportation labels to pie chart by label - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	94.6	94.5	5.4	94.5	5.4	0.1	0.0	94.3	94.9
Austria	646	89.8	89.5	10.2	89.5	10.2	0.2	0.0	89.1	90.4
Azerbaijan	852	81.0	80.4	18.9	80.4	18.9	0.7	0.0	81.4	80.6
Bahrain	735	81.0	80.9	18.9	80.9	18.9	0.2	0.0	84.5	77.7
Brazil	3204	68.2	67.3	31.4	67.3	31.4	1.2	0.0	64.3	71.9
Chile	628	85.0	85.0	15.0	85.0	15.0	0.0	0.0	83.8	86.2
Chinese Taipei	468	93.7	93.7	6.3	93.7	6.3	0.0	0.0	93.0	94.3
Cyprus	577	88.0	88.0	12.0	88.0	12.0	0.0	0.0	85.9	90.1
Czech Republic	1121	89.8	89.8	10.2	89.8	10.2	0.0	0.0	87.7	91.9
England	590	93.3	93.3	6.7	93.3	6.7	0.0	0.0	93.5	93.2
Finland	801	90.5	90.4	9.5	90.4	9.5	0.1	0.0	91.6	89.4
France	642	83.5	83.2	16.5	83.2	16.5	0.4	0.0	85.0	82.1
Georgia	678	80.1	79.8	19.8	79.8	19.8	0.3	0.0	77.7	82.6
Hong Kong SAR	623	92.1	92.0	7.9	92.0	7.9	0.1	0.0	92.0	92.2
Hungary	749	90.5	90.5	9.5	90.5	9.5	0.0	0.0	92.6	88.3
Ireland	731	94.4	94.4	5.6	94.4	5.6	0.0	0.0	94.9	93.9
Israel	722	85.5	85.5	14.5	85.5	14.5	0.0	0.0	87.5	83.5
Italy	637	92.2	92.2	7.8	92.2	7.8	0.0	0.0	92.1	92.3
Japan	326	93.3	93.3	6.7	93.3	6.7	0.0	0.0	93.4	93.3
Jordan	1387	66.0	65.8	33.9	65.8	33.9	0.3	0.0	65.4	66.6
Kazakhstan	896	79.9	79.8	20.1	79.8	20.1	0.1	0.0	78.0	81.6
Korea, Rep. of	358	92.2	92.2	7.8	92.2	7.8	0.0	0.0	91.5	92.9
Lithuania	759	92.8	92.7	7.2	92.7	7.2	0.1	0.0	93.3	92.2
Malaysia	1228	76.5	76.5	23.5	76.5	23.5	0.0	0.0	78.4	74.7
Malta	567	90.5	90.5	9.5	90.5	9.5	0.0	0.0	88.2	92.7
Morocco	1736	73.2	72.8	26.7	72.8	26.7	0.5	0.0	72.6	73.8
New Zealand	551	94.6	94.6	5.4	94.6	5.4	0.0	0.0	92.8	96.2
Norway (9)	893	93.6	93.4	6.4	93.4	6.4	0.2	0.0	94.0	93.2
Oman	1631	81.0	80.8	18.9	80.8	18.9	0.3	0.0	84.0	78.2
Palestinian Nat'l Auth.	1301	65.9	65.8	34.0	65.8	34.0	0.2	0.0	66.3	65.6
Portugal	753	88.2	88.2	11.8	88.2	11.8	0.0	0.0	87.9	88.5
Qatar	606	85.3	85.2	14.7	85.2	14.7	0.0	0.0	85.5	85.1
Romania	510	80.1	77.9	19.4	77.9	19.4	2.7	0.0	73.6	85.4
Saudi Arabia	1165	76.0	75.9	23.9	75.9	23.9	0.2	0.0	80.8	71.6
Singapore	401	96.6	96.6	3.4	96.6	3.4	0.0	0.0	97.0	96.1
Sweden	705	93.3	93.3	6.7	93.3	6.7	0.0	0.0	93.5	93.0
Turkiye	711	94.7	94.7	5.3	94.7	5.3	0.0	0.0	94.7	94.7
United Arab Emirates	5293	88.9	88.8	11.1	88.8	11.1	0.1	0.0	89.5	88.2
United States	1150	89.4	89.4	10.6	89.4	10.6	0.0	0.0	88.6	90.1
Uzbekistan	610	65.0	63.7	34.3	63.7	34.3	2.0	0.0	67.3	62.6
International Avg. (40)	39108	85.7	85.6	14.2	85.6	14.2	0.2	0.0	85.7	85.8
Abu Dhabi, UAE	2403	86.7	86.7	13.3	86.7	13.3	0.0	0.0	87.2	86.2
Dubai, UAE	1159	93.2	93.1	6.8	93.1	6.8	0.1	0.0	93.6	92.8
Sharjah, UAE	888	89.8	89.7	10.2	89.7	10.2	0.0	0.0	91.6	88.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_ME1_02 ME82403: Perimeter of the hexagon - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	75.5	70.8	23.0	70.8	23.0	6.2	0.0	71.7	78.7
Austria	646	87.5	80.8	11.5	80.8	11.5	7.6	0.0	89.2	85.8
Azerbaijan	852	73.7	61.3	21.9	61.3	21.9	16.8	0.0	75.9	71.7
Bahrain	735	45.6	41.7	49.8	41.7	49.8	8.4	0.0	46.3	45.0
Brazil	3204	49.8	41.9	42.3	41.9	42.3	15.9	0.0	51.0	48.6
Chile	627	51.7	39.2	36.6	39.2	36.6	24.1	0.0	52.3	51.1
Chinese Taipei	468	90.9	89.7	9.0	89.7	9.0	1.4	0.0	93.5	88.6
Cyprus	577	79.1	71.4	18.9	71.4	18.9	9.7	0.0	81.5	76.5
Czech Republic	1121	70.5	62.3	26.1	62.3	26.1	11.6	0.0	70.6	70.5
England	590	82.9	73.2	15.1	73.2	15.1	11.7	0.0	85.6	80.7
Finland	801	77.6	71.6	20.7	71.6	20.7	7.7	0.0	79.5	75.7
France	642	73.7	60.5	21.6	60.5	21.6	17.9	0.0	72.6	74.7
Georgia	678	77.2	67.6	19.9	67.6	19.9	12.5	0.0	78.0	76.4
Hong Kong SAR	623	89.5	88.0	10.3	88.0	10.3	1.6	0.0	92.9	86.1
Hungary	749	73.2	68.5	25.2	68.5	25.2	6.3	0.0	72.7	73.6
Ireland	731	74.8	69.1	23.3	69.1	23.3	7.6	0.0	73.8	75.9
Israel	722	70.5	63.9	26.7	63.9	26.7	9.4	0.0	73.8	67.2
Italy	637	78.4	72.5	20.0	72.5	20.0	7.4	0.0	78.3	78.4
Japan	326	83.2	79.4	16.0	79.4	16.0	4.6	0.0	84.7	82.0
Jordan	1387	36.3	33.8	59.4	33.8	59.4	6.8	0.0	39.3	33.6
Kazakhstan	896	57.0	52.3	39.4	52.3	39.4	8.3	0.0	58.9	55.3
Korea, Rep. of	358	90.4	89.0	9.4	89.0	9.4	1.6	0.0	92.7	88.1
Lithuania	759	83.3	77.3	15.5	77.3	15.5	7.2	0.0	86.5	80.1
Malaysia	1228	47.0	46.5	52.4	46.5	52.4	1.1	0.0	52.3	41.7
Malta	567	80.5	73.6	17.9	73.6	17.9	8.5	0.0	82.9	78.1
Morocco	1736	48.7	40.3	42.3	40.3	42.3	17.4	0.0	52.3	45.0
New Zealand	551	72.1	66.8	25.8	66.8	25.8	7.4	0.0	71.6	72.5
Norway (9)	893	78.3	68.7	19.0	68.7	19.0	12.3	0.0	80.3	76.5
Oman	1631	50.8	47.5	46.0	47.5	46.0	6.5	0.0	55.7	46.1
Palestinian Nat'l Auth.	1301	48.5	46.2	49.0	46.2	49.0	4.8	0.0	58.7	39.0
Portugal	753	69.7	61.5	26.7	61.5	26.7	11.8	0.0	71.1	68.4
Qatar	606	58.7	54.9	38.6	54.9	38.6	6.5	0.0	55.2	61.7
Romania	510	76.3	71.6	22.3	71.6	22.3	6.2	0.0	78.7	74.2
Saudi Arabia	1165	34.6	33.5	63.3	33.5	63.3	3.2	0.0	38.8	30.8
Singapore	401	92.7	92.1	7.3	92.1	7.3	0.6	0.0	93.2	92.1
Sweden	705	86.7	81.3	12.5	81.3	12.5	6.3	0.0	89.4	84.2
Turkiye	711	73.0	67.8	25.1	67.8	25.1	7.1	0.0	77.3	69.0
United Arab Emirates	5292	71.8	69.5	27.3	69.5	27.3	3.2	0.0	72.5	71.1
United States	1150	64.4	62.2	34.4	62.2	34.4	3.4	0.0	66.5	62.4
Uzbekistan	610	56.1	49.8	38.9	49.8	38.9	11.3	0.0	61.8	50.7
International Avg. (40)	39106	69.6	64.0	27.8	64.0	27.8	8.3	0.0	71.5	67.7
Abu Dhabi, UAE	2402	64.9	63.1	34.2	63.1	34.2	2.7	0.0	67.7	62.0
Dubai, UAE	1159	85.6	82.4	13.9	82.4	13.9	3.7	0.0	83.9	87.1
Sharjah, UAE	888	73.7	71.3	25.5	71.3	25.5	3.2	0.0	75.5	71.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_ME1_03 ME82205: How many slices are left - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	58.9	58.5	40.8	58.5	40.8	0.6	0.0	58.5	59.6
Austria	646	64.9	64.7	35.0	64.7	35.0	0.2	0.0	61.1	68.7
Azerbaijan	852	62.0	61.2	37.6	61.2	37.6	1.3	0.0	59.7	64.0
Bahrain	735	33.1	33.1	66.9	33.1	66.9	0.0	0.0	33.0	33.2
Brazil	3204	43.0	42.5	56.3	42.5	56.3	1.1	0.1	44.9	41.2
Chile	628	33.7	33.6	66.1	33.6	66.1	0.3	0.0	32.0	35.4
Chinese Taipei	468	70.2	70.2	29.8	70.2	29.8	0.0	0.0	72.2	68.4
Cyprus	577	63.9	63.7	36.0	63.7	36.0	0.2	0.2	66.1	61.6
Czech Republic	1121	63.1	63.1	36.9	63.1	36.9	0.0	0.0	61.6	64.7
England	590	65.6	65.6	34.4	65.6	34.4	0.0	0.0	64.8	66.3
Finland	801	69.7	69.3	30.1	69.3	30.1	0.6	0.0	71.5	67.9
France	642	61.5	61.5	38.4	61.5	38.4	0.1	0.0	64.6	58.5
Georgia	678	49.2	49.1	50.7	49.1	50.7	0.2	0.0	55.3	42.8
Hong Kong SAR	623	63.9	63.5	35.9	63.5	35.9	0.6	0.1	67.0	60.8
Hungary	749	58.6	58.6	41.4	58.6	41.4	0.0	0.0	55.7	61.6
Ireland	731	66.7	66.7	33.3	66.7	33.3	0.0	0.0	64.6	68.8
Israel	722	53.3	53.1	46.5	53.1	46.5	0.2	0.2	50.6	56.0
Italy	637	72.9	72.8	27.1	72.8	27.1	0.1	0.0	71.0	74.8
Japan	326	79.6	79.6	20.4	79.6	20.4	0.0	0.0	82.0	77.7
Jordan	1387	37.1	37.0	62.7	37.0	62.7	0.3	0.0	43.8	30.8
Kazakhstan	896	49.4	49.3	50.5	49.3	50.5	0.3	0.0	50.7	48.3
Korea, Rep. of	358	69.7	69.7	30.3	69.7	30.3	0.0	0.0	69.4	70.1
Lithuania	759	58.8	58.7	41.1	58.7	41.1	0.1	0.1	61.1	56.6
Malaysia	1228	29.8	29.8	70.2	29.8	70.2	0.0	0.0	30.0	29.6
Malta	567	58.9	58.9	41.1	58.9	41.1	0.0	0.0	62.6	55.3
Morocco	1736	33.9	33.4	65.3	33.4	65.3	1.2	0.0	37.3	30.3
New Zealand	551	58.5	58.5	41.4	58.5	41.4	0.1	0.0	57.2	59.7
Norway (9)	893	62.9	62.8	37.1	62.8	37.1	0.1	0.0	64.2	61.5
Oman	1631	32.9	32.9	66.9	32.9	66.9	0.3	0.0	37.1	29.1
Palestinian Nat'l Auth.	1301	46.0	45.9	53.8	45.9	53.8	0.3	0.1	52.7	39.9
Portugal	753	62.0	62.0	38.0	62.0	38.0	0.0	0.0	61.9	62.1
Qatar	606	51.5	51.1	48.0	51.1	48.0	0.9	0.0	48.1	54.4
Romania	509	63.1	61.9	36.2	61.9	36.2	1.9	0.0	58.4	67.2
Saudi Arabia	1165	32.1	32.1	67.8	32.1	67.8	0.1	0.0	34.7	29.7
Singapore	401	68.8	68.8	31.2	68.8	31.2	0.0	0.0	65.1	72.4
Sweden	705	72.0	71.7	27.9	71.7	27.9	0.4	0.1	76.4	67.9
Turkiye	711	66.2	66.2	33.8	66.2	33.8	0.0	0.0	66.2	66.2
United Arab Emirates	5293	46.4	46.3	53.6	46.3	53.6	0.1	0.0	45.7	47.0
United States	1150	43.6	43.5	56.2	43.5	56.2	0.2	0.1	43.4	43.8
Uzbekistan	610	51.2	51.0	48.7	51.0	48.7	0.2	0.0	55.3	47.1
International Avg. (40)	39107	55.7	55.5	44.1	55.5	44.1	0.3	0.0	56.4	55.0
Abu Dhabi, UAE	2403	39.3	39.3	60.6	39.3	60.6	0.1	0.0	39.2	39.5
Dubai, UAE	1159	60.9	60.8	39.0	60.8	39.0	0.1	0.0	59.5	62.2
Sharjah, UAE	888	50.5	50.5	49.4	50.5	49.4	0.0	0.0	50.2	50.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_ME1_04 ME82512: Click the line that increases fastest - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	86.5	10.6	84.1	1.8	0.8	2.7	0.1	85.1	88.0
Austria	646	88.8	7.9	86.8	1.5	1.6	2.2	0.0	88.0	89.6
Azerbaijan	852	61.7	24.0	51.9	3.9	4.3	15.8	0.0	61.7	61.6
Bahrain	735	61.2	27.5	59.2	6.0	4.0	3.3	0.0	58.6	63.7
Brazil	3204	60.1	30.2	55.5	3.6	3.0	7.6	0.1	55.5	64.3
Chile	628	69.2	24.7	65.9	2.0	2.6	4.7	0.0	67.6	70.8
Chinese Taipei	468	81.1	16.3	80.6	1.1	1.4	0.6	0.0	78.0	83.9
Cyprus	577	82.5	11.9	79.4	3.0	1.8	3.6	0.2	82.0	83.0
Czech Republic	1121	90.1	7.4	89.5	1.3	1.1	0.7	0.0	90.5	89.7
England	590	87.7	10.7	86.7	0.9	0.5	1.2	0.0	86.2	89.0
Finland	801	89.2	8.3	87.0	1.5	0.8	2.5	0.0	90.3	88.1
France	642	85.9	10.9	82.9	1.5	1.2	3.5	0.0	86.3	85.4
Georgia	678	64.2	25.4	60.5	5.6	2.7	5.9	0.0	62.8	65.7
Hong Kong SAR	623	82.6	13.2	80.2	2.2	1.5	2.8	0.1	84.1	81.0
Hungary	749	85.6	11.0	85.3	1.2	2.1	0.4	0.0	84.2	87.1
Ireland	731	87.5	10.7	86.8	0.6	1.1	0.9	0.0	87.3	87.8
Israel	722	71.3	22.9	67.4	2.1	2.1	5.3	0.2	69.2	73.6
Italy	637	80.8	14.5	79.4	2.7	1.7	1.6	0.0	77.9	83.6
Japan	326	83.9	10.1	82.5	1.9	3.9	1.6	0.0	82.5	85.0
Jordan	1387	51.4	35.0	48.1	4.7	5.8	6.3	0.1	50.4	52.3
Kazakhstan	896	64.8	22.0	62.0	7.1	4.6	4.3	0.0	63.1	66.3
Korea, Rep. of	358	92.5	7.1	91.6	0.1	0.3	0.9	0.0	93.6	91.3
Lithuania	759	85.9	11.6	84.5	1.2	1.1	1.4	0.1	85.5	86.2
Malaysia	1228	58.3	31.1	57.3	5.7	4.2	1.7	0.0	59.0	57.5
Malta	567	76.7	16.8	74.9	3.9	2.1	2.4	0.0	73.3	80.3
Morocco	1736	51.2	24.4	44.0	9.6	8.0	13.9	0.0	51.3	51.0
New Zealand	551	85.6	12.6	84.6	1.0	0.5	1.3	0.0	85.1	86.1
Norway (9)	893	87.8	8.2	83.0	1.8	1.5	5.5	0.0	87.5	88.0
Oman	1631	56.7	35.1	54.6	3.7	2.8	3.8	0.0	54.5	58.9
Palestinian Nat'l Auth.	1301	48.7	33.6	45.1	8.7	5.1	7.4	0.1	48.9	48.5
Portugal	752	84.0	13.5	82.7	1.3	1.0	1.6	0.0	82.6	85.4
Qatar	606	70.0	25.0	66.0	1.2	2.0	5.8	0.0	68.5	71.4
Romania	510	72.9	20.7	67.8	3.5	1.0	7.0	0.0	73.4	72.4
Saudi Arabia	1165	58.1	30.7	56.6	5.7	4.5	2.5	0.0	56.8	59.3
Singapore	401	88.5	9.5	88.3	1.2	0.7	0.2	0.0	86.1	90.9
Sweden	705	93.2	5.2	89.1	0.6	0.8	4.1	0.3	93.5	92.9
Turkiye	711	83.3	11.7	81.4	2.8	1.7	2.3	0.0	84.1	82.6
United Arab Emirates	5293	72.9	20.0	71.3	3.6	3.0	2.1	0.0	70.5	75.2
United States	1150	78.6	16.4	77.9	2.8	2.1	0.8	0.1	75.5	81.6
Uzbekistan	610	56.0	26.7	51.3	7.3	6.4	8.3	0.0	56.0	56.0
International Avg. (40)	39107	75.4	17.9	72.8	3.0	2.4	3.8	0.0	74.4	76.4
Abu Dhabi, UAE	2403	67.0	22.1	65.3	4.8	5.4	2.5	0.0	63.8	70.3
Dubai, UAE	1159	81.5	15.8	80.3	1.9	0.5	1.6	0.0	79.8	83.2
Sharjah, UAE	888	76.6	19.3	75.5	2.5	1.3	1.4	0.0	76.3	76.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Knowing

B_ME1_05 ME82617: Click the corresponding angle in the rotated polygon - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	82.1	3.2	8.4	79.4	5.7	3.2	0.2	80.4	83.6
Austria	646	80.6	1.0	9.6	79.7	8.6	1.1	0.0	82.9	78.2
Azerbaijan	852	70.3	6.6	7.6	64.4	13.0	8.3	0.1	70.0	70.6
Bahrain	735	68.1	6.6	13.6	67.3	11.3	1.2	0.0	77.0	59.6
Brazil	3204	64.0	8.4	9.7	60.9	16.1	4.7	0.1	65.8	62.3
Chile	628	70.4	4.1	12.2	67.2	12.0	4.6	0.0	71.2	69.6
Chinese Taipei	468	88.6	0.1	9.0	87.9	2.2	0.8	0.0	91.4	86.1
Cyprus	577	79.4	2.1	12.0	78.0	6.2	1.6	0.2	82.7	76.0
Czech Republic	1121	83.3	2.1	9.5	82.6	4.9	0.9	0.0	82.9	83.8
England	590	79.6	2.3	11.8	77.8	5.9	2.3	0.0	78.4	80.7
Finland	801	85.3	2.2	9.8	84.2	2.5	1.3	0.0	87.1	83.5
France	642	83.3	2.0	9.7	82.5	4.8	1.0	0.0	86.6	80.2
Georgia	678	73.9	6.0	8.7	72.6	10.9	1.8	0.0	76.4	71.3
Hong Kong SAR	623	89.9	0.5	5.9	88.5	3.5	1.5	0.1	90.9	89.0
Hungary	749	80.5	2.1	12.7	80.3	4.7	0.3	0.0	80.9	80.1
Ireland	731	78.6	4.0	11.9	77.6	5.3	1.3	0.0	77.4	79.9
Israel	722	79.6	2.7	10.1	77.9	7.2	2.0	0.2	82.4	76.6
Italy	637	82.6	1.1	10.7	81.7	5.4	1.1	0.0	83.4	81.9
Japan	325	93.0	0.6	2.9	90.9	3.3	2.2	0.0	93.9	92.3
Jordan	1387	60.4	7.1	17.8	58.8	13.7	2.7	0.1	61.6	59.3
Kazakhstan	896	69.0	6.7	10.7	67.5	12.9	2.2	0.0	71.5	66.8
Korea, Rep. of	358	93.4	0.7	3.7	93.3	2.1	0.1	0.0	94.8	92.0
Lithuania	759	83.4	1.4	9.8	82.9	5.3	0.5	0.1	86.1	80.7
Malaysia	1228	72.9	5.7	11.1	72.7	10.2	0.2	0.0	75.9	69.8
Malta	567	78.2	2.9	11.5	76.8	7.0	1.8	0.0	80.2	76.2
Morocco	1736	60.2	7.9	14.9	56.5	14.6	6.1	0.1	61.9	58.5
New Zealand	551	78.2	3.5	9.1	75.8	8.5	3.0	0.0	77.6	78.8
Norway (9)	893	85.3	3.0	8.2	83.2	3.2	2.4	0.0	87.3	83.2
Oman	1631	68.3	5.5	12.5	67.2	13.2	1.6	0.0	71.9	64.9
Palestinian Nat'l Auth.	1301	64.4	7.5	12.7	62.4	14.2	3.1	0.1	69.0	60.1
Portugal	753	81.9	1.9	9.9	81.4	6.1	0.6	0.0	83.4	80.4
Qatar	606	70.5	4.5	9.4	69.0	14.9	2.1	0.0	73.7	67.8
Romania	510	77.8	3.8	10.0	74.9	7.5	3.8	0.0	74.5	80.7
Saudi Arabia	1165	66.0	6.3	10.1	65.8	17.5	0.3	0.0	69.1	63.0
Singapore	401	89.3	1.0	5.9	89.0	3.8	0.3	0.0	89.9	88.6
Sweden	705	88.0	1.1	8.3	85.8	2.3	2.1	0.3	89.9	86.2
Turkiye	711	81.4	3.2	7.8	81.2	7.5	0.3	0.0	84.6	78.5
United Arab Emirates	5293	75.5	4.3	9.7	74.8	10.3	1.0	0.0	78.3	72.9
United States	1150	79.2	1.5	10.8	78.8	8.3	0.4	0.1	80.9	77.7
Uzbekistan	610	57.9	9.1	14.0	55.9	17.6	3.5	0.0	58.1	57.7
International Avg. (40)	39107	77.4	3.7	10.1	75.9	8.3	2.0	0.0	79.0	75.7
Abu Dhabi, UAE	2403	70.7	6.3	10.6	70.0	12.1	1.0	0.0	73.6	67.7
Dubai, UAE	1159	83.7	2.5	7.4	83.0	6.2	0.8	0.0	83.9	83.6
Sharjah, UAE	888	77.8	2.6	9.3	76.8	9.9	1.3	0.0	83.0	72.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_ME1_06 ME82201: Money Sarah had before buying a bike - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	72.9	70.6	26.2	70.6	26.2	3.1	0.2	69.6	76.2
Austria	645	66.2	64.2	32.8	64.2	32.8	3.1	0.0	63.0	69.3
Azerbaijan	852	49.7	45.9	46.5	45.9	46.5	7.5	0.1	44.8	54.1
Bahrain	734	35.7	35.0	63.1	35.0	63.1	1.9	0.0	31.9	39.3
Brazil	3204	36.1	33.8	59.9	33.8	59.9	6.1	0.1	30.8	40.9
Chile	628	49.6	45.1	45.9	45.1	45.9	9.0	0.0	47.3	51.9
Chinese Taipei	468	83.0	82.3	16.9	82.3	16.9	0.8	0.0	85.2	81.0
Cyprus	577	59.8	57.9	38.9	57.9	38.9	3.0	0.2	53.5	66.1
Czech Republic	1121	72.4	70.3	26.8	70.3	26.8	2.8	0.0	66.5	78.1
England	590	72.3	70.6	27.1	70.6	27.1	2.3	0.0	67.5	76.5
Finland	801	80.4	79.3	19.3	79.3	19.3	1.4	0.0	77.6	83.2
France	640	65.8	63.4	33.0	63.4	33.0	3.6	0.0	57.2	73.7
Georgia	677	56.6	54.1	41.5	54.1	41.5	4.4	0.0	54.2	59.1
Hong Kong SAR	620	77.7	76.6	21.9	76.6	21.9	1.4	0.1	75.8	79.7
Hungary	749	65.4	63.7	33.7	63.7	33.7	2.7	0.0	60.4	70.5
Ireland	731	76.6	76.2	23.3	76.2	23.3	0.4	0.0	73.0	80.1
Israel	722	65.3	62.6	33.3	62.6	33.3	3.9	0.2	63.2	67.4
Italy	637	71.3	69.5	27.9	69.5	27.9	2.6	0.0	66.4	76.3
Japan	326	85.3	84.0	14.5	84.0	14.5	1.4	0.0	80.1	89.3
Jordan	1385	24.6	24.2	74.1	24.2	74.1	1.7	0.1	20.9	28.1
Kazakhstan	896	55.2	53.8	43.7	53.8	43.7	2.6	0.0	51.5	58.5
Korea, Rep. of	358	73.5	73.0	26.3	73.0	26.3	0.7	0.0	73.3	73.7
Lithuania	759	71.0	68.5	28.0	68.5	28.0	3.3	0.1	68.8	73.0
Malaysia	1228	29.8	29.6	69.8	29.6	69.8	0.6	0.0	29.3	30.3
Malta	567	46.9	45.6	51.6	45.6	51.6	2.7	0.0	44.4	49.4
Morocco	1735	15.9	14.9	78.3	14.9	78.3	6.8	0.1	15.5	16.4
New Zealand	551	71.6	71.3	28.3	71.3	28.3	0.4	0.0	68.0	74.8
Norway (9)	893	78.7	76.3	20.7	76.3	20.7	3.0	0.0	78.7	78.7
Oman	1628	24.5	23.8	73.5	23.8	73.5	2.6	0.1	21.0	27.7
Palestinian Nat'l Auth.	1298	25.7	25.1	72.6	25.1	72.6	2.2	0.1	25.6	25.9
Portugal	753	60.1	57.9	38.4	57.9	38.4	3.7	0.0	55.6	64.3
Qatar	606	46.7	45.8	52.2	45.8	52.2	1.9	0.0	39.7	52.6
Romania	510	49.1	47.1	48.8	47.1	48.8	4.0	0.0	42.5	54.5
Saudi Arabia	1164	34.0	33.7	65.5	33.7	65.5	0.8	0.0	30.1	37.6
Singapore	401	82.9	82.7	17.0	82.7	17.0	0.3	0.0	83.0	82.9
Sweden	705	83.7	81.1	15.8	81.1	15.8	2.8	0.3	82.4	84.9
Turkiye	711	67.0	64.4	31.8	64.4	31.8	3.8	0.0	62.7	70.8
United Arab Emirates	5292	49.7	49.2	49.7	49.2	49.7	1.1	0.0	45.0	54.4
United States	1150	58.9	58.4	40.7	58.4	40.7	0.8	0.1	54.2	63.4
Uzbekistan	610	52.4	51.2	46.5	51.2	46.5	2.3	0.0	50.0	54.8
International Avg. (40)	39089	58.6	57.1	40.1	57.1	40.1	2.7	0.0	55.3	61.7
Abu Dhabi, UAE	2403	40.0	39.8	59.6	39.8	59.6	0.6	0.0	37.4	42.6
Dubai, UAE	1159	66.0	65.1	33.6	65.1	33.6	1.3	0.0	59.2	72.4
Sharjah, UAE	888	56.8	55.9	42.5	55.9	42.5	1.6	0.0	52.3	61.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Knowing

B_ME1_07 ME82727: Click the age her height changed most - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	E %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	81.6	0.0	0.9	6.7	80.8	10.7	0.8	0.2	78.8	84.6
Austria	646	79.3	1.4	0.5	12.0	79.1	6.7	0.2	0.0	78.4	80.1
Azerbaijan	852	60.6	2.2	2.2	9.7	58.7	24.2	2.8	0.2	59.2	61.9
Bahrain	735	58.4	1.9	3.0	9.6	58.4	27.0	0.1	0.0	58.2	58.6
Brazil	3204	55.3	2.9	5.5	9.3	54.7	26.6	0.8	0.1	51.3	59.1
Chile	628	72.3	0.8	2.0	6.0	71.8	18.6	0.8	0.0	69.2	75.6
Chinese Taipei	468	90.1	0.4	0.6	4.8	89.9	4.2	0.2	0.0	89.6	90.6
Cyprus	577	73.7	0.9	2.1	7.5	73.3	15.7	0.4	0.2	70.4	77.1
Czech Republic	1121	86.4	0.1	1.0	4.1	86.4	8.3	0.0	0.0	83.1	89.7
England	590	80.8	0.3	1.1	7.7	80.8	10.0	0.0	0.0	73.8	87.0
Finland	801	87.2	0.6	1.0	5.5	86.8	5.7	0.5	0.0	87.6	86.8
France	642	79.1	0.3	0.7	7.9	79.0	11.9	0.1	0.0	76.4	81.8
Georgia	678	69.1	1.7	4.0	6.5	68.8	18.5	0.5	0.0	65.7	72.8
Hong Kong SAR	623	83.7	1.0	1.6	5.4	83.0	8.1	0.8	0.1	87.5	80.0
Hungary	749	84.8	0.5	0.3	6.1	84.8	8.4	0.0	0.0	82.2	87.5
Ireland	731	84.0	0.4	0.3	6.9	84.0	8.4	0.0	0.0	82.6	85.6
Israel	722	74.0	0.8	1.5	8.6	73.5	15.0	0.4	0.3	74.3	73.7
Italy	637	79.8	0.6	1.7	6.3	79.8	11.6	0.0	0.0	76.9	82.7
Japan	326	91.3	0.3	1.2	3.1	91.3	4.1	0.0	0.0	88.4	93.6
Jordan	1387	41.0	3.6	4.1	9.2	40.6	41.6	0.8	0.1	40.2	41.7
Kazakhstan	896	69.1	2.1	1.5	8.0	68.8	19.2	0.3	0.0	64.3	73.3
Korea, Rep. of	358	89.4	1.5	0.4	2.9	88.8	5.8	0.7	0.0	91.6	87.3
Lithuania	759	80.6	0.8	0.8	6.1	80.3	11.6	0.2	0.1	79.5	81.8
Malaysia	1228	58.1	1.0	1.8	7.2	58.1	31.9	0.1	0.0	58.8	57.5
Malta	567	74.5	1.7	0.6	8.5	74.2	14.7	0.3	0.0	72.4	76.7
Morocco	1736	35.4	6.5	6.1	16.5	34.8	34.4	1.6	0.1	33.5	37.4
New Zealand	551	81.2	0.1	1.2	8.8	80.9	8.7	0.3	0.0	75.4	86.4
Norway (9)	893	84.3	0.6	2.3	8.0	84.0	4.8	0.3	0.0	84.6	83.9
Oman	1631	43.3	3.0	2.9	9.3	43.0	41.2	0.6	0.1	43.4	43.1
Palestinian Nat'l Auth.	1301	41.2	4.6	4.8	10.6	40.7	38.2	1.1	0.1	44.0	38.6
Portugal	753	77.9	0.5	1.1	7.6	77.8	12.8	0.1	0.0	76.9	78.8
Qatar	606	68.9	1.1	2.4	7.2	68.1	20.2	1.1	0.0	66.6	70.8
Romania	510	69.8	1.5	3.6	5.3	69.6	19.6	0.4	0.0	65.3	73.6
Saudi Arabia	1165	55.4	1.3	1.6	8.1	55.3	33.5	0.2	0.0	53.4	57.3
Singapore	401	87.6	0.2	0.0	5.4	87.6	6.9	0.0	0.0	85.8	89.3
Sweden	705	85.7	0.2	2.0	7.7	84.7	4.2	0.8	0.4	85.8	85.6
Turkiye	711	82.4	1.9	1.2	6.9	82.3	7.6	0.1	0.0	83.2	81.7
United Arab Emirates	5293	66.0	2.4	2.2	8.4	65.8	21.0	0.3	0.0	64.3	67.6
United States	1150	70.8	0.9	2.7	8.9	70.5	16.6	0.3	0.1	68.0	73.5
Uzbekistan	610	48.1	3.2	2.3	8.6	48.0	37.7	0.3	0.0	45.2	51.0
International Avg. (40)	39108	72.1	1.4	1.9	7.6	71.7	16.9	0.5	0.1	70.4	73.6
Abu Dhabi, UAE	2403	60.1	3.9	3.2	9.8	59.9	22.7	0.4	0.0	59.6	60.7
Dubai, UAE	1159	77.7	0.7	1.3	7.4	77.7	12.9	0.0	0.0	75.6	79.6
Sharjah, UAE	888	70.4	1.0	0.8	7.4	70.1	20.3	0.4	0.0	70.6	70.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_ME1_08 ME82310: 3/4 as a percentage - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	75.1	73.6	24.4	73.6	24.4	1.9	0.2	68.6	81.4
Austria	646	67.8	65.5	31.1	65.5	31.1	3.4	0.0	63.7	71.9
Azerbaijan	852	66.2	60.4	30.8	60.4	30.8	8.6	0.2	66.4	66.0
Bahrain	734	40.2	39.5	58.8	39.5	58.8	1.7	0.0	37.6	42.6
Brazil	3199	17.8	16.4	75.9	16.4	75.9	7.6	0.1	12.5	22.6
Chile	627	29.6	26.5	63.0	26.5	63.0	10.5	0.0	22.6	36.5
Chinese Taipei	468	80.0	79.4	19.9	79.4	19.9	0.7	0.0	81.2	78.9
Cyprus	577	63.3	60.7	35.2	60.7	35.2	3.9	0.2	56.3	70.5
Czech Republic	1121	68.8	65.8	29.9	65.8	29.9	4.3	0.0	64.5	72.8
England	590	82.9	81.6	16.9	81.6	16.9	1.5	0.0	79.7	85.6
Finland	801	76.7	75.1	22.8	75.1	22.8	2.1	0.0	71.4	81.9
France	642	55.8	52.3	41.4	52.3	41.4	6.4	0.0	49.5	61.7
Georgia	678	49.8	45.8	46.2	45.8	46.2	8.0	0.0	48.2	51.5
Hong Kong SAR	621	85.8	84.9	14.1	84.9	14.1	0.9	0.2	82.8	88.8
Hungary	749	53.7	51.7	44.6	51.7	44.6	3.7	0.0	47.6	59.9
Ireland	731	85.0	84.5	14.9	84.5	14.9	0.6	0.0	81.9	88.2
Israel	721	56.9	54.1	41.0	54.1	41.0	4.5	0.3	51.6	62.1
Italy	636	56.4	53.7	41.5	53.7	41.5	4.7	0.0	50.0	62.6
Japan	325	64.8	62.6	34.0	62.6	34.0	3.4	0.0	60.3	68.4
Jordan	1386	21.2	20.8	77.2	20.8	77.2	1.9	0.1	21.3	21.0
Kazakhstan	895	38.9	37.6	58.9	37.6	58.9	3.5	0.0	37.3	40.4
Korea, Rep. of	358	79.6	77.7	20.0	77.7	20.0	2.3	0.0	76.3	82.9
Lithuania	758	64.8	62.6	34.1	62.6	34.1	3.2	0.1	66.6	63.0
Malaysia	1227	24.9	24.9	74.8	24.9	74.8	0.3	0.0	28.4	21.5
Malta	567	74.2	72.5	25.2	72.5	25.2	2.2	0.0	71.8	76.7
Morocco	1736	25.0	23.9	71.6	23.9	71.6	4.5	0.1	22.2	27.8
New Zealand	551	70.4	68.2	28.7	68.2	28.7	3.1	0.0	66.5	73.8
Norway (9)	892	74.4	71.1	24.4	71.1	24.4	4.5	0.0	69.6	79.3
Oman	1631	36.5	35.7	62.1	35.7	62.1	2.1	0.1	39.2	33.9
Palestinian Nat'l Auth.	1297	20.7	20.6	78.7	20.6	78.7	0.7	0.1	24.4	17.3
Portugal	753	43.3	40.9	53.6	40.9	53.6	5.6	0.0	35.7	50.5
Qatar	606	48.4	47.2	50.2	47.2	50.2	2.6	0.0	41.1	54.7
Romania	509	62.6	60.1	36.0	60.1	36.0	3.9	0.0	57.7	66.6
Saudi Arabia	1165	33.4	33.1	66.0	33.1	66.0	0.9	0.0	36.4	30.5
Singapore	401	88.8	88.8	11.2	88.8	11.2	0.0	0.0	88.7	88.9
Sweden	705	85.6	83.4	14.0	83.4	14.0	2.1	0.5	84.6	86.6
Turkiye	709	64.0	60.5	34.1	60.5	34.1	5.4	0.0	64.3	63.7
United Arab Emirates	5288	57.2	56.6	42.3	56.6	42.3	1.0	0.0	54.7	59.8
United States	1150	63.6	63.1	36.2	63.1	36.2	0.5	0.2	62.1	64.9
Uzbekistan	609	31.6	31.0	67.1	31.0	67.1	1.9	0.0	29.7	33.4
International Avg. (40)	39078	57.1	55.4	41.3	55.4	41.3	3.3	0.1	54.4	59.8
Abu Dhabi, UAE	2401	47.9	47.4	51.6	47.4	51.6	0.9	0.0	46.0	49.7
Dubai, UAE	1158	78.1	77.4	21.7	77.4	21.7	0.9	0.0	75.8	80.3
Sharjah, UAE	888	60.8	60.0	38.7	60.0	38.7	1.3	0.0	57.4	64.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_ME1_09 ME82112: Difference in winter and summer temperature - CR - 1 Point

COUNTRY	N	DIFF %	1 %	7 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	66.9	65.2	12.4	19.9	65.2	32.3	2.3	0.2	61.2	71.9
Austria	646	74.0	72.3	13.5	12.0	72.3	25.4	2.2	0.0	70.4	77.5
Azerbaijan	852	49.0	46.9	27.7	21.1	46.9	48.7	4.3	0.2	47.0	50.9
Bahrain	729	39.0	38.6	23.4	37.0	38.6	60.4	0.9	0.0	35.4	42.4
Brazil	3204	27.0	26.2	27.8	42.8	26.2	70.6	3.0	0.2	20.8	32.9
Chile	628	40.0	38.6	26.0	31.9	38.6	57.9	3.6	0.0	35.2	44.7
Chinese Taipei	468	78.5	77.8	11.0	10.3	77.8	21.4	0.9	0.0	78.4	78.5
Cyprus	576	64.2	63.2	17.9	17.3	63.2	35.2	1.3	0.2	58.4	70.1
Czech Republic	1121	76.6	75.8	13.0	10.1	75.8	23.1	1.1	0.0	69.9	83.2
England	590	74.6	73.8	9.0	16.1	73.8	25.1	1.0	0.0	70.5	78.1
Finland	801	77.7	77.0	11.7	10.4	77.0	22.1	0.8	0.0	75.1	80.2
France	642	54.4	52.5	14.0	30.0	52.5	44.1	3.4	0.0	50.4	58.1
Georgia	678	55.1	53.8	23.3	20.6	53.8	43.9	2.3	0.0	47.5	63.2
Hong Kong SAR	623	75.2	73.6	13.2	11.1	73.6	24.3	2.0	0.2	71.1	79.3
Hungary	749	71.1	70.6	14.9	13.8	70.6	28.7	0.7	0.0	66.1	76.3
Ireland	731	70.8	70.2	14.5	14.5	70.2	29.0	0.7	0.0	68.1	73.5
Israel	721	67.2	65.8	15.0	17.2	65.8	32.2	1.7	0.3	62.9	71.4
Italy	637	61.8	61.2	19.0	18.8	61.2	37.8	1.0	0.0	52.7	71.0
Japan	325	76.0	73.6	12.7	10.5	73.6	23.2	3.1	0.0	70.9	80.2
Jordan	1386	26.8	26.4	27.1	45.0	26.4	72.1	1.5	0.1	22.0	31.3
Kazakhstan	896	43.7	42.9	29.7	25.5	42.9	55.2	1.9	0.0	35.7	50.9
Korea, Rep. of	358	79.7	79.5	12.3	7.9	79.5	20.2	0.0	0.3	76.0	83.4
Lithuania	758	69.1	68.0	19.0	11.4	68.0	30.4	1.4	0.1	67.6	70.6
Malaysia	1228	21.7	21.7	22.8	55.3	21.7	78.2	0.1	0.0	21.7	21.8
Malta	567	59.3	58.3	18.0	22.1	58.3	40.1	1.6	0.0	57.4	61.2
Morocco	1733	16.4	15.5	30.6	48.7	15.5	79.3	5.1	0.1	15.7	17.0
New Zealand	551	76.3	75.6	8.6	14.8	75.6	23.4	0.9	0.0	70.7	81.4
Norway (9)	893	74.7	73.0	9.3	15.3	73.0	24.7	2.4	0.0	71.4	77.9
Oman	1625	26.3	25.8	21.6	50.7	25.8	72.3	1.8	0.1	29.5	23.3
Palestinian Nat'l Auth.	1297	30.5	30.2	26.0	42.7	30.2	68.7	1.0	0.1	28.2	32.6
Portugal	753	53.3	52.2	19.4	26.3	52.2	45.7	2.0	0.0	46.8	59.7
Qatar	606	45.6	45.0	29.3	24.3	45.0	53.6	1.2	0.2	36.7	53.2
Romania	510	60.0	59.4	19.9	19.7	59.4	39.5	1.0	0.0	57.1	62.5
Saudi Arabia	1158	28.3	28.2	29.0	42.4	28.2	71.4	0.4	0.1	22.5	33.8
Singapore	401	79.0	79.0	10.2	10.7	79.0	21.0	0.0	0.0	75.3	82.8
Sweden	705	78.0	76.5	8.0	13.6	76.5	21.6	1.4	0.5	73.6	82.0
Turkiye	711	62.9	62.2	17.8	18.8	62.2	36.6	1.2	0.0	58.1	67.4
United Arab Emirates	5293	51.4	51.1	22.9	25.4	51.1	48.3	0.5	0.0	47.2	55.6
United States	1150	60.1	59.7	19.3	20.2	59.7	39.6	0.5	0.2	57.2	62.9
Uzbekistan	610	37.3	37.1	35.9	26.4	37.1	62.3	0.6	0.0	27.9	46.7
International Avg. (40)	39077	57.0	56.1	18.9	23.3	56.1	42.2	1.6	0.1	52.8	61.0
Abu Dhabi, UAE	2403	43.6	43.4	24.7	31.4	43.4	56.1	0.5	0.0	41.5	45.7
Dubai, UAE	1159	67.6	67.3	16.9	15.3	67.3	32.2	0.5	0.0	60.6	74.3
Sharjah, UAE	888	53.5	53.2	24.9	21.3	53.2	46.3	0.5	0.0	48.7	58.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Reasoning

B_ME1_10 ME82203: Complete the number sentence to equal 2.1 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1165	54.6	51.0	42.5	51.0	42.5	6.3	0.2	50.5	58.4
Austria	645	66.2	63.7	32.6	63.7	32.6	3.6	0.0	69.5	62.8
Azerbaijan	851	56.1	51.9	40.7	51.9	40.7	7.0	0.4	57.3	54.9
Bahrain	722	33.3	32.2	64.4	32.2	64.4	3.4	0.0	32.8	33.8
Brazil	3188	29.7	26.8	63.4	26.8	63.4	9.5	0.2	23.6	35.2
Chile	624	44.1	36.6	46.4	36.6	46.4	17.0	0.0	31.2	56.1
Chinese Taipei	468	82.3	81.8	17.6	81.8	17.6	0.6	0.0	84.6	80.2
Cyprus	576	58.8	56.5	39.6	56.5	39.6	3.7	0.2	57.1	60.5
Czech Republic	1120	68.3	65.3	30.3	65.3	30.3	4.4	0.0	65.5	70.9
England	590	58.4	53.8	38.3	53.8	38.3	7.8	0.0	54.5	61.5
Finland	801	54.8	52.4	43.2	52.4	43.2	4.4	0.0	50.9	58.6
France	642	59.6	53.5	36.2	53.5	36.2	10.3	0.0	54.0	64.9
Georgia	677	55.8	51.3	40.6	51.3	40.6	8.0	0.0	56.1	55.6
Hong Kong SAR	621	80.2	79.0	19.5	79.0	19.5	1.3	0.2	76.6	83.9
Hungary	747	62.1	59.9	36.5	59.9	36.5	3.7	0.0	60.8	63.5
Ireland	731	60.5	58.3	38.1	58.3	38.1	3.6	0.0	56.4	64.5
Israel	718	53.7	49.8	42.8	49.8	42.8	7.1	0.3	55.6	52.0
Italy	637	52.8	48.2	43.1	48.2	43.1	8.7	0.0	53.9	51.8
Japan	325	78.5	77.6	21.3	77.6	21.3	1.1	0.0	76.1	80.4
Jordan	1383	29.3	28.6	68.9	28.6	68.9	2.5	0.1	28.3	30.3
Kazakhstan	892	53.9	52.3	44.7	52.3	44.7	2.9	0.1	55.5	52.5
Korea, Rep. of	358	79.3	78.7	20.6	78.7	20.6	0.4	0.3	81.9	76.7
Lithuania	757	67.8	65.4	31.0	65.4	31.0	3.4	0.1	68.1	67.5
Malaysia	1228	33.6	33.3	65.7	33.3	65.7	1.0	0.0	36.1	31.2
Malta	567	59.6	57.4	38.9	57.4	38.9	3.6	0.0	57.0	62.2
Morocco	1735	40.3	37.2	55.1	37.2	55.1	7.6	0.1	38.1	42.4
New Zealand	550	53.7	51.6	44.4	51.6	44.4	4.0	0.0	45.9	60.4
Norway (9)	892	55.3	50.3	40.6	50.3	40.6	9.2	0.0	52.1	58.5
Oman	1607	32.4	31.5	65.7	31.5	65.7	2.7	0.1	33.5	31.5
Palestinian Nat'l Auth.	1294	3.7	3.5	92.4	3.5	92.4	3.9	0.2	2.9	4.4
Portugal	752	54.3	50.0	42.1	50.0	42.1	7.9	0.0	50.2	58.1
Qatar	606	47.7	46.0	50.4	46.0	50.4	3.4	0.2	43.5	51.4
Romania	509	55.9	53.3	42.1	53.3	42.1	4.5	0.0	55.9	55.8
Saudi Arabia	1140	23.6	23.1	75.0	23.1	75.0	1.7	0.1	19.0	27.9
Singapore	401	76.1	75.9	23.8	75.9	23.8	0.3	0.0	72.8	79.3
Sweden	701	59.5	52.4	35.7	52.4	35.7	11.4	0.5	57.4	61.5
Turkiye	710	52.7	49.1	44.1	49.1	44.1	6.8	0.0	47.7	57.3
United Arab Emirates	5287	55.3	54.6	44.1	54.6	44.1	1.3	0.1	51.6	58.9
United States	1147	50.3	49.6	49.0	49.6	49.0	1.2	0.2	49.8	50.8
Uzbekistan	603	38.8	36.7	57.7	36.7	57.7	5.6	0.0	36.5	41.1
International Avg. (40)	38967	53.3	50.8	44.2	50.8	44.2	4.9	0.1	51.3	55.2
Abu Dhabi, UAE	2401	47.3	46.7	52.0	46.7	52.0	1.2	0.1	43.6	51.0
Dubai, UAE	1157	70.7	69.4	28.7	69.4	28.7	1.8	0.0	65.8	75.4
Sharjah, UAE	887	59.1	58.6	40.6	58.6	40.6	0.8	0.0	56.1	61.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME1_11 ME82404: Solve for M in linear equation - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	64.6	62.5	34.2	62.5	34.2	3.1	0.2	62.2	66.8
Austria	644	71.0	67.6	27.7	67.6	27.7	4.7	0.0	72.8	69.1
Azerbaijan	852	75.7	67.4	21.6	67.4	21.6	10.5	0.4	78.5	73.0
Bahrain	735	49.1	48.2	50.0	48.2	50.0	1.8	0.0	53.0	45.5
Brazil	3201	27.5	25.4	66.7	25.4	66.7	7.7	0.2	24.7	30.2
Chile	627	38.9	33.1	52.1	33.1	52.1	14.5	0.4	36.0	41.7
Chinese Taipei	468	89.1	88.3	10.8	88.3	10.8	0.9	0.0	91.0	87.3
Cyprus	577	75.1	73.5	24.4	73.5	24.4	2.0	0.2	76.9	73.2
Czech Republic	1121	69.1	67.0	30.0	67.0	30.0	3.0	0.0	66.9	71.1
England	590	79.2	75.9	19.9	75.9	19.9	4.2	0.0	75.5	82.4
Finland	801	60.9	58.4	37.6	58.4	37.6	3.9	0.1	62.0	59.7
France	641	50.5	45.2	44.3	45.2	44.3	10.6	0.0	47.7	53.1
Georgia	678	62.3	58.9	35.6	58.9	35.6	5.5	0.0	66.9	57.5
Hong Kong SAR	622	91.6	90.2	8.2	90.2	8.2	1.4	0.2	93.5	89.7
Hungary	749	63.3	61.4	35.5	61.4	35.5	3.1	0.0	60.5	66.2
Ireland	731	66.1	65.0	33.3	65.0	33.3	1.7	0.0	65.3	66.9
Israel	722	72.4	69.3	26.5	69.3	26.5	3.9	0.3	76.6	68.2
Italy	637	54.9	52.8	43.3	52.8	43.3	3.8	0.0	55.2	54.7
Japan	322	83.7	81.8	16.0	81.8	16.0	2.2	0.0	84.0	83.4
Jordan	1386	46.2	45.6	53.2	45.6	53.2	1.2	0.1	50.9	41.7
Kazakhstan	896	52.7	50.8	45.5	50.8	45.5	3.7	0.1	54.7	51.0
Korea, Rep. of	358	89.1	88.3	10.8	88.3	10.8	0.7	0.3	90.1	88.2
Lithuania	759	68.4	65.2	30.1	65.2	30.1	4.5	0.1	71.5	65.4
Malaysia	1228	27.6	27.4	72.0	27.4	72.0	0.6	0.0	31.5	23.6
Malta	567	67.7	65.9	31.5	65.9	31.5	2.6	0.0	66.3	69.0
Morocco	1735	25.0	23.4	70.1	23.4	70.1	6.3	0.2	26.7	23.2
New Zealand	550	57.1	54.5	40.9	54.5	40.9	4.6	0.0	54.3	59.6
Norway (9)	893	56.1	51.8	40.5	51.8	40.5	7.6	0.1	57.0	55.1
Oman	1630	47.3	46.2	51.4	46.2	51.4	2.2	0.1	53.1	41.9
Palestinian Nat'l Auth.	1300	32.5	31.5	65.6	31.5	65.6	2.6	0.2	37.7	27.6
Portugal	753	42.3	39.0	53.2	39.0	53.2	7.8	0.0	40.7	43.8
Qatar	606	64.4	62.8	34.7	62.8	34.7	2.3	0.2	63.0	65.7
Romania	510	74.2	72.3	25.2	72.3	25.2	2.6	0.0	75.6	73.0
Saudi Arabia	1164	38.2	37.9	61.4	37.9	61.4	0.6	0.1	41.2	35.4
Singapore	401	85.7	85.5	14.2	85.5	14.2	0.3	0.0	86.3	85.2
Sweden	705	76.6	72.3	22.1	72.3	22.1	5.1	0.5	75.9	77.2
Turkiye	711	60.8	57.0	36.7	57.0	36.7	6.3	0.0	62.1	59.7
United Arab Emirates	5292	64.5	63.9	35.1	63.9	35.1	0.9	0.1	64.8	64.3
United States	1150	67.5	66.7	32.1	66.7	32.1	0.9	0.2	69.1	66.0
Uzbekistan	610	47.5	45.5	50.3	45.5	50.3	4.3	0.0	50.4	44.7
International Avg. (40)	39089	60.9	58.6	37.4	58.6	37.4	3.9	0.1	61.8	60.0
Abu Dhabi, UAE	2403	55.8	55.3	43.9	55.3	43.9	0.7	0.1	57.8	53.7
Dubai, UAE	1159	81.4	80.2	18.3	80.2	18.3	1.5	0.0	79.9	82.9
Sharjah, UAE	887	68.3	68.1	31.6	68.1	31.6	0.3	0.0	67.2	69.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

B_ME1_12 ME82206: Put fractions in order - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	58.5	57.9	41.1	57.9	41.1	0.7	0.3	47.3	69.0
Austria	646	52.3	51.7	47.1	51.7	47.1	1.2	0.0	43.1	61.6
Azerbaijan	852	33.1	32.4	65.6	32.4	65.6	1.2	0.8	30.9	35.1
Bahrain	735	20.8	20.7	79.0	20.7	79.0	0.4	0.0	18.0	23.4
Brazil	3204	10.9	10.8	88.1	10.8	88.1	0.9	0.2	8.5	13.3
Chile	628	17.3	17.1	81.8	17.1	81.8	0.7	0.4	14.4	20.4
Chinese Taipei	468	75.1	74.9	24.8	74.9	24.8	0.3	0.0	70.1	79.6
Cyprus	577	56.8	56.6	43.0	56.6	43.0	0.2	0.2	50.2	63.6
Czech Republic	1121	43.5	43.1	56.1	43.1	56.1	0.8	0.0	35.8	50.9
England	590	56.4	55.9	43.2	55.9	43.2	0.8	0.0	47.5	64.1
Finland	801	64.8	64.4	35.0	64.4	35.0	0.4	0.1	59.9	69.6
France	642	40.2	39.9	59.4	39.9	59.4	0.5	0.2	32.7	47.4
Georgia	678	25.7	25.1	72.6	25.1	72.6	2.3	0.0	21.9	29.7
Hong Kong SAR	623	74.5	74.1	25.4	74.1	25.4	0.3	0.2	71.7	77.3
Hungary	749	47.4	47.1	52.4	47.1	52.4	0.5	0.0	40.1	54.9
Ireland	731	63.3	63.2	36.7	63.2	36.7	0.1	0.1	53.5	73.2
Israel	722	54.9	54.2	44.5	54.2	44.5	1.0	0.3	47.7	62.2
Italy	637	40.6	40.6	59.4	40.6	59.4	0.0	0.0	34.5	46.7
Japan	326	71.5	71.1	28.4	71.1	28.4	0.5	0.0	64.2	77.3
Jordan	1387	12.9	12.9	86.9	12.9	86.9	0.2	0.1	11.7	14.0
Kazakhstan	896	24.4	24.3	75.1	24.3	75.1	0.5	0.1	22.5	26.2
Korea, Rep. of	358	76.0	75.8	24.0	75.8	24.0	0.0	0.3	75.9	76.1
Lithuania	759	45.8	45.5	53.8	45.5	53.8	0.6	0.1	44.2	47.3
Malaysia	1228	16.3	16.3	83.6	16.3	83.6	0.1	0.0	15.3	17.4
Malta	567	47.5	47.2	52.1	47.2	52.1	0.7	0.0	43.8	51.2
Morocco	1736	20.6	20.4	78.7	20.4	78.7	0.7	0.2	20.0	21.2
New Zealand	551	46.2	46.1	53.6	46.1	53.6	0.3	0.0	39.8	52.0
Norway (9)	893	57.1	56.6	42.5	56.6	42.5	0.7	0.2	53.6	60.7
Oman	1631	17.5	17.3	81.9	17.3	81.9	0.6	0.1	16.5	18.4
Palestinian Nat'l Auth.	1301	12.3	12.3	87.2	12.3	87.2	0.3	0.2	12.9	11.8
Portugal	753	35.1	35.0	64.8	35.0	64.8	0.2	0.0	29.9	40.2
Qatar	606	33.7	33.5	65.9	33.5	65.9	0.3	0.2	29.2	37.5
Romania	510	41.1	40.2	57.6	40.2	57.6	2.2	0.0	39.6	42.4
Saudi Arabia	1165	13.1	13.0	86.4	13.0	86.4	0.6	0.1	10.9	15.1
Singapore	401	73.4	73.2	26.5	73.2	26.5	0.2	0.0	69.8	77.0
Sweden	705	67.1	66.1	32.4	66.1	32.4	1.0	0.5	66.8	67.5
Turkiye	711	40.6	40.4	59.0	40.4	59.0	0.6	0.0	36.1	44.9
United Arab Emirates	5293	43.2	42.9	56.4	42.9	56.4	0.5	0.1	40.6	45.8
United States	1150	54.1	53.8	45.7	53.8	45.7	0.2	0.2	48.2	59.5
Uzbekistan	610	17.9	17.9	82.1	17.9	82.1	0.0	0.0	16.8	19.1
International Avg. (40)	39108	42.6	42.3	57.0	42.3	57.0	0.6	0.1	38.4	46.6
Abu Dhabi, UAE	2403	37.1	36.9	62.7	36.9	62.7	0.3	0.1	36.3	37.9
Dubai, UAE	1159	55.3	54.8	44.2	54.8	44.2	0.9	0.1	50.5	60.0
Sharjah, UAE	888	45.6	45.4	54.2	45.4	54.2	0.4	0.0	41.1	49.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_ME1_13 ME82791: Money received for jackets in February - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	71.1	69.5	28.3	69.5	28.3	1.5	0.7	68.9	73.1
Austria	645	77.1	74.2	22.0	74.2	22.0	3.7	0.0	75.5	78.7
Azerbaijan	851	53.6	47.2	40.8	47.2	40.8	11.3	0.8	51.1	56.0
Bahrain	735	43.3	42.2	55.3	42.2	55.3	2.5	0.0	43.5	43.1
Brazil	3199	40.0	38.0	57.1	38.0	57.1	4.7	0.2	37.2	42.6
Chile	628	57.5	53.4	39.5	53.4	39.5	6.8	0.4	53.7	61.4
Chinese Taipei	468	79.8	78.9	19.9	78.9	19.9	1.2	0.0	83.6	76.4
Cyprus	577	68.4	66.1	30.5	66.1	30.5	3.2	0.2	69.3	67.5
Czech Republic	1120	79.2	77.2	20.3	77.2	20.3	2.5	0.0	76.3	82.0
England	590	74.3	70.9	24.6	70.9	24.6	4.5	0.0	70.4	77.6
Finland	800	72.0	69.4	27.0	69.4	27.0	3.5	0.1	74.1	69.8
France	641	70.0	67.8	29.1	67.8	29.1	2.9	0.2	68.2	71.8
Georgia	678	59.1	55.4	38.3	55.4	38.3	6.3	0.0	56.3	62.3
Hong Kong SAR	622	84.3	83.0	15.5	83.0	15.5	1.3	0.2	83.6	84.9
Hungary	749	72.1	70.6	27.3	70.6	27.3	2.1	0.0	74.3	69.9
Ireland	731	77.8	76.6	21.9	76.6	21.9	1.4	0.1	76.4	79.1
Israel	721	68.2	65.7	30.6	65.7	30.6	3.4	0.3	70.9	65.5
Italy	637	78.5	77.4	21.2	77.4	21.2	1.3	0.0	77.0	80.0
Japan	326	79.1	75.6	20.0	75.6	20.0	4.4	0.0	75.7	81.8
Jordan	1387	31.9	31.5	67.3	31.5	67.3	1.1	0.1	30.1	33.7
Kazakhstan	895	58.7	56.7	39.9	56.7	39.9	3.3	0.2	54.6	62.3
Korea, Rep. of	358	73.7	72.3	25.8	72.3	25.8	1.6	0.3	74.2	73.2
Lithuania	758	80.0	78.4	19.6	78.4	19.6	1.9	0.1	81.0	79.1
Malaysia	1228	54.8	54.6	45.1	54.6	45.1	0.3	0.0	59.6	49.9
Malta	566	73.2	72.4	26.5	72.4	26.5	1.1	0.0	73.4	73.0
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	551	70.6	69.7	29.0	69.7	29.0	1.2	0.0	66.6	74.2
Norway (9)	892	64.7	60.9	33.2	60.9	33.2	5.7	0.2	63.0	66.4
Oman	1631	36.9	36.2	61.9	36.2	61.9	1.8	0.1	38.6	35.3
Palestinian Nat'l Auth.	1299	21.4	20.8	76.5	20.8	76.5	2.5	0.2	22.7	20.1
Portugal	753	71.1	69.6	28.2	69.6	28.2	2.2	0.0	70.3	71.9
Qatar	606	59.9	57.9	38.8	57.9	38.8	3.1	0.2	55.7	63.5
Romania	510	59.5	57.0	38.9	57.0	38.9	4.1	0.0	54.5	63.7
Saudi Arabia	1163	36.3	35.9	63.0	35.9	63.0	0.9	0.1	36.0	36.6
Singapore	401	86.1	86.1	13.9	86.1	13.9	0.0	0.0	85.6	86.6
Sweden	703	71.0	68.3	27.9	68.3	27.9	3.3	0.5	71.7	70.4
Turkiye	711	51.5	50.1	47.2	50.1	47.2	2.7	0.0	45.0	57.5
United Arab Emirates	5292	58.2	57.6	41.3	57.6	41.3	1.0	0.1	57.0	59.3
United States	1150	65.7	65.2	34.1	65.2	34.1	0.5	0.2	66.7	64.8
Uzbekistan	610	36.2	35.2	62.1	35.2	62.1	2.7	0.0	35.0	37.4
International Avg. (39)	37349	63.3	61.4	35.6	61.4	35.6	2.8	0.1	62.2	64.2
Abu Dhabi, UAE	2402	50.5	49.9	49.0	49.9	49.0	0.9	0.1	50.1	50.8
Dubai, UAE	1159	75.0	74.3	24.7	74.3	24.7	0.8	0.1	72.8	77.2
Sharjah, UAE	888	62.6	61.5	36.7	61.5	36.7	1.8	0.0	63.0	62.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME1_14 ME82103: Number halfway between -11 and 7 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1167	45.0	44.1	53.8	44.1	53.8	1.1	1.1	41.0	48.8
Austria	645	43.2	42.6	56.0	42.6	56.0	1.4	0.0	43.8	42.6
Azerbaijan	852	33.9	32.3	63.0	32.3	63.0	3.8	0.8	30.3	37.4
Bahrain	733	22.4	22.1	76.6	22.1	76.6	1.3	0.0	23.1	21.7
Brazil	3202	8.9	8.5	87.9	8.5	87.9	3.2	0.4	6.5	11.0
Chile	628	16.9	16.2	79.6	16.2	79.6	3.8	0.4	17.3	16.5
Chinese Taipei	468	70.6	70.3	29.3	70.3	29.3	0.3	0.0	69.6	71.5
Cyprus	577	29.8	29.4	69.3	29.4	69.3	1.0	0.2	27.2	32.4
Czech Republic	1121	41.9	40.9	56.8	40.9	56.8	2.3	0.0	38.7	45.0
England	590	55.9	54.9	43.3	54.9	43.3	1.8	0.0	55.7	56.2
Finland	801	49.5	48.7	49.6	48.7	49.6	1.5	0.2	50.3	48.8
France	642	30.4	28.7	65.8	28.7	65.8	5.3	0.2	26.2	34.2
Georgia	677	33.8	32.9	64.5	32.9	64.5	2.6	0.0	29.9	37.9
Hong Kong SAR	623	51.8	51.1	47.5	51.1	47.5	0.9	0.4	50.4	53.3
Hungary	749	40.5	40.0	58.7	40.0	58.7	1.3	0.0	36.9	44.2
Ireland	731	49.3	48.9	50.4	48.9	50.4	0.4	0.3	46.7	51.9
Israel	721	34.1	32.9	63.6	32.9	63.6	3.0	0.4	29.2	39.0
Italy	637	31.8	31.3	67.1	31.3	67.1	1.6	0.0	27.4	36.2
Japan	326	63.2	62.8	36.5	62.8	36.5	0.6	0.0	65.9	61.1
Jordan	1385	11.8	11.8	87.5	11.8	87.5	0.6	0.1	10.4	13.2
Kazakhstan	895	27.3	26.7	71.2	26.7	71.2	1.9	0.2	25.3	29.0
Korea, Rep. of	358	62.6	62.1	37.1	62.1	37.1	0.5	0.3	61.9	63.3
Lithuania	759	37.5	36.9	61.4	36.9	61.4	1.5	0.1	36.9	38.1
Malaysia	1228	12.6	12.6	87.3	12.6	87.3	0.1	0.0	11.2	13.9
Malta	567	38.7	38.3	60.7	38.3	60.7	1.1	0.0	35.3	42.2
Morocco	1734	7.6	7.2	88.7	7.2	88.7	3.2	0.8	6.3	8.8
New Zealand	551	39.9	39.5	59.6	39.5	59.6	0.8	0.2	36.7	42.7
Norway (9)	893	47.5	45.6	50.5	45.6	50.5	3.4	0.5	47.5	47.3
Oman	1605	15.4	15.3	83.7	15.3	83.7	0.8	0.2	18.8	12.2
Palestinian Nat'l Auth.	1296	11.0	10.9	87.6	10.9	87.6	1.2	0.3	11.6	10.5
Portugal	753	28.2	27.6	70.4	27.6	70.4	2.0	0.0	24.8	31.4
Qatar	606	28.4	28.0	70.8	28.0	70.8	0.9	0.2	26.5	29.9
Romania	509	36.3	35.3	61.8	35.3	61.8	3.0	0.0	31.7	40.3
Saudi Arabia	1159	11.2	11.1	88.4	11.1	88.4	0.4	0.1	9.3	12.9
Singapore	401	57.7	57.6	42.2	57.6	42.2	0.3	0.0	52.6	62.7
Sweden	705	48.7	47.1	49.6	47.1	49.6	2.8	0.5	47.9	49.4
Turkiye	711	46.3	45.4	52.7	45.4	52.7	1.9	0.0	45.3	47.2
United Arab Emirates	5292	34.8	34.5	64.6	34.5	64.6	0.8	0.2	32.1	37.5
United States	1150	35.4	35.0	63.8	35.0	63.8	0.9	0.4	34.6	36.1
Uzbekistan	606	20.1	19.7	78.5	19.7	78.5	1.8	0.0	16.8	23.2
International Avg. (40)	39053	35.3	34.7	63.4	34.7	63.4	1.7	0.2	33.5	37.0
Abu Dhabi, UAE	2402	28.0	27.7	71.2	27.7	71.2	0.9	0.2	26.6	29.4
Dubai, UAE	1159	51.8	51.2	47.6	51.2	47.6	1.0	0.1	47.4	56.0
Sharjah, UAE	888	35.5	35.4	64.2	35.4	64.2	0.2	0.1	32.9	38.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_ME2_01 ME62271: Randy's blue balloons - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	45.4	7.1	21.5	25.2	44.9	0.9	0.4	41.1	49.2
Austria	645	43.5	9.9	26.3	20.0	43.3	0.5	0.0	37.2	50.1
Azerbaijan	852	54.2	9.9	22.5	12.3	53.0	1.7	0.5	49.9	58.0
Bahrain	731	41.6	11.7	16.4	29.8	41.3	0.9	0.0	44.0	39.2
Brazil	3232	21.8	10.4	23.1	43.0	21.3	2.1	0.1	20.5	23.1
Chile	632	25.2	9.5	21.1	41.8	24.4	2.9	0.2	22.6	27.6
Chinese Taipei	475	69.3	4.1	21.6	5.0	69.3	0.0	0.0	68.1	70.5
Cyprus	585	46.3	10.0	21.6	21.7	45.9	0.6	0.2	40.3	51.9
Czech Republic	1119	43.7	7.3	22.8	25.6	43.2	1.0	0.0	39.8	47.2
England	473	51.6	6.5	16.4	25.2	51.3	0.6	0.0	47.2	56.2
Finland	809	49.1	9.2	22.3	18.9	48.7	0.7	0.1	43.5	55.3
France	642	40.0	9.3	21.2	28.7	39.6	0.9	0.2	36.3	43.9
Georgia	676	36.5	12.1	27.4	22.7	35.8	2.0	0.0	37.4	35.6
Hong Kong SAR	623	67.0	2.9	20.2	9.7	66.6	0.3	0.3	63.0	71.2
Hungary	749	38.2	6.9	30.8	24.0	38.2	0.2	0.0	33.5	43.4
Ireland	729	58.4	6.6	18.4	16.3	58.0	0.6	0.1	55.9	60.7
Israel	722	45.0	11.9	20.5	22.0	44.6	0.7	0.3	42.7	47.5
Italy	638	47.1	7.6	29.6	15.5	46.9	0.5	0.0	45.0	49.4
Japan	130	82.2	0.8	10.3	6.7	82.2	0.0	0.0	73.7	88.5
Jordan	0	.	.	.	.	.	.	.	.	.
Kazakhstan	897	40.5	8.8	21.5	28.4	39.9	1.4	0.1	38.7	42.0
Korea, Rep. of	358	79.1	1.6	12.8	6.4	78.6	0.3	0.3	79.0	79.1
Lithuania	768	44.9	7.6	23.6	23.2	44.4	1.1	0.0	42.8	47.0
Malaysia	1231	29.3	9.3	24.3	36.9	29.2	0.2	0.0	29.4	29.2
Malta	450	39.1	5.4	31.2	24.0	39.0	0.4	0.0	32.5	45.0
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	531	39.1	9.3	23.1	28.2	38.8	0.5	0.1	36.7	41.0
Norway (9)	887	49.2	8.9	21.3	19.9	48.4	1.3	0.4	48.4	50.0
Oman	1542	22.2	12.8	32.5	30.6	21.7	2.4	0.0	21.3	23.0
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	757	32.8	8.8	23.1	34.6	32.5	1.0	0.0	29.0	36.5
Qatar	0	.	.	.	.	.	.	.	.	.
Romania	524	45.7	10.9	21.3	21.9	45.4	0.6	0.0	45.9	45.4
Saudi Arabia	0	.	.	.	.	.	.	.	.	.
Singapore	401	78.1	1.7	13.2	6.9	77.9	0.3	0.0	78.1	78.2
Sweden	696	59.6	6.5	18.6	14.3	58.2	1.9	0.5	59.4	59.9
Turkiye	706	60.4	7.4	12.0	19.9	59.9	0.8	0.0	58.9	62.1
United Arab Emirates	4644	40.7	9.3	25.1	24.3	40.3	0.9	0.0	39.5	41.8
United States	1153	38.2	12.4	26.4	22.8	38.0	0.3	0.1	35.7	40.4
Uzbekistan	612	31.3	20.7	25.5	22.1	31.2	0.5	0.0	26.4	35.8
International Avg. (35)	31791	46.8	8.4	22.0	22.2	46.3	0.9	0.1	44.1	49.3
Abu Dhabi, UAE	2215	34.1	10.7	25.4	29.2	33.8	0.8	0.0	34.7	33.5
Dubai, UAE	917	55.4	5.7	20.8	17.6	54.7	1.1	0.0	50.4	60.1
Sharjah, UAE	755	41.8	9.0	25.6	23.1	41.5	0.7	0.2	41.6	42.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME2_02 ME62152: Least number of crates for Harry's apples - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	44.1	42.7	19.4	34.8	42.7	54.2	2.6	0.5	37.2	49.8
Austria	643	49.1	48.7	20.5	29.8	48.7	50.4	0.9	0.0	46.0	52.5
Azerbaijan	851	30.7	28.4	28.3	35.8	28.4	64.0	7.1	0.5	25.7	34.8
Bahrain	734	17.5	17.0	18.4	61.8	17.0	80.2	2.8	0.0	16.0	19.0
Brazil	3230	11.9	11.2	18.8	63.4	11.2	82.3	6.4	0.2	7.6	16.3
Chile	632	22.5	20.2	19.2	50.4	20.2	69.6	9.7	0.5	16.9	27.6
Chinese Taipei	475	79.6	79.6	10.2	10.2	79.6	20.4	0.0	0.0	81.1	78.2
Cyprus	585	38.6	36.9	22.3	36.5	36.9	58.8	4.1	0.2	33.7	43.1
Czech Republic	1119	51.8	50.7	21.8	25.3	50.7	47.1	2.2	0.0	49.4	53.9
England	582	55.0	53.1	19.7	23.8	53.1	43.5	3.4	0.0	50.2	59.6
Finland	809	47.8	46.9	15.6	35.7	46.9	51.3	1.7	0.1	46.4	49.2
France	641	36.3	34.7	23.7	37.4	34.7	61.1	4.0	0.2	33.1	39.5
Georgia	675	33.4	31.6	30.9	32.0	31.6	62.9	5.4	0.1	29.5	37.4
Hong Kong SAR	623	79.2	78.5	9.5	11.1	78.5	20.6	0.5	0.3	79.7	78.7
Hungary	749	43.7	43.2	26.5	29.2	43.2	55.7	1.1	0.0	38.4	49.3
Ireland	729	51.9	51.4	24.8	22.8	51.4	47.6	0.9	0.1	49.3	54.2
Israel	722	35.0	33.3	21.7	40.2	33.3	61.9	4.5	0.3	33.0	37.0
Italy	638	41.8	41.3	33.4	24.0	41.3	57.5	1.2	0.0	36.9	47.1
Japan	325	77.3	76.6	9.2	13.3	76.6	22.5	0.9	0.0	76.9	77.6
Jordan	1369	7.4	7.3	15.3	75.6	7.3	90.9	1.7	0.1	5.6	9.1
Kazakhstan	897	26.4	25.9	33.8	38.3	25.9	72.2	1.8	0.1	26.0	26.7
Korea, Rep. of	358	62.6	62.0	22.6	14.4	62.0	37.0	0.8	0.3	62.3	63.0
Lithuania	768	53.1	52.2	25.9	20.2	52.2	46.1	1.7	0.0	48.9	57.3
Malaysia	1230	19.1	19.1	18.2	62.5	19.1	80.6	0.3	0.0	18.9	19.4
Malta	572	46.8	45.4	19.9	31.8	45.4	51.7	2.8	0.0	42.5	50.5
Morocco	1742	9.7	8.9	14.4	68.9	8.9	83.3	7.5	0.3	8.7	10.6
New Zealand	531	35.4	33.9	24.8	37.0	33.9	61.8	4.2	0.1	32.4	37.8
Norway (9)	886	47.5	44.8	15.3	34.3	44.8	49.5	5.3	0.4	44.9	49.8
Oman	1629	15.8	15.5	15.3	67.5	15.5	82.8	1.7	0.0	15.6	16.1
Palestinian Nat'l Auth.	1305	8.3	8.1	14.8	74.9	8.1	89.8	2.1	0.0	6.8	9.7
Portugal	757	32.8	31.6	26.8	37.9	31.6	64.7	3.8	0.0	29.7	35.7
Qatar	598	22.0	21.3	25.0	50.7	21.3	75.7	3.0	0.0	15.3	28.0
Romania	523	35.5	33.6	22.6	38.5	33.6	61.2	5.1	0.1	31.7	38.5
Saudi Arabia	1169	11.1	11.0	22.2	66.0	11.0	88.2	0.8	0.0	9.2	12.9
Singapore	401	72.5	72.5	15.5	12.0	72.5	27.5	0.0	0.0	69.1	75.7
Sweden	695	57.1	55.4	17.4	24.2	55.4	41.6	2.4	0.6	54.7	59.5
Turkiye	706	41.2	39.8	18.1	38.6	39.8	56.7	3.4	0.0	40.1	42.5
United Arab Emirates	5328	33.2	32.7	21.3	44.7	32.7	66.0	1.3	0.1	28.6	37.6
United States	1153	42.6	42.1	24.3	32.5	42.1	56.8	1.0	0.1	41.2	43.9
Uzbekistan	612	24.9	24.5	25.7	48.1	24.5	73.7	1.8	0.0	20.2	29.2
International Avg. (40)	39163	38.8	37.8	20.8	38.4	37.8	59.2	2.8	0.1	36.0	41.5
Abu Dhabi, UAE	2426	26.4	26.1	21.4	51.3	26.1	72.7	1.2	0.1	23.0	29.7
Dubai, UAE	1163	49.2	48.2	20.6	29.1	48.2	49.8	2.0	0.0	42.1	56.2
Sharjah, UAE	893	35.3	35.1	21.8	42.6	35.1	64.4	0.3	0.1	31.6	39.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME2_03 ME62215: Fill in bicycle sale table (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	11 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	38.2	25.5	16.5	4.6	47.8	25.5	21.1	47.8	4.9	0.5	31.0	44.2
Austria	644	36.5	21.1	21.0	5.2	46.5	21.1	26.3	46.5	6.1	0.0	31.0	42.1
Azerbaijan	852	25.0	14.6	6.2	6.6	56.7	14.6	12.8	56.7	15.4	0.5	19.6	29.5
Bahrain	734	15.9	7.7	9.0	6.4	73.7	7.7	15.3	73.7	3.2	0.0	14.7	17.1
Brazil	3228	12.6	5.1	7.8	5.0	73.2	5.1	12.8	73.2	8.6	0.2	7.9	17.0
Chile	632	18.8	9.5	8.4	4.9	63.3	9.5	13.3	63.3	13.1	0.7	12.3	24.3
Chinese Taipei	475	51.9	43.8	12.5	2.4	40.0	43.8	14.9	40.0	1.3	0.0	50.1	53.8
Cyprus	585	28.6	18.2	10.1	5.6	57.1	18.2	15.7	57.1	8.7	0.3	19.0	37.4
Czech Republic	1119	46.6	31.6	19.2	4.2	38.0	31.6	23.4	38.0	7.1	0.0	36.8	55.0
England	582	44.9	30.5	18.1	5.0	40.0	30.5	23.0	40.0	6.5	0.0	36.3	52.9
Finland	809	46.4	31.8	19.6	5.0	38.7	31.8	24.6	38.7	4.5	0.4	37.6	55.6
France	640	17.6	7.1	13.9	3.9	66.2	7.1	17.8	66.2	8.6	0.2	12.9	22.3
Georgia	674	28.8	15.3	11.7	8.5	52.5	15.3	20.2	52.5	11.9	0.1	22.7	34.8
Hong Kong SAR	608	52.1	43.5	12.2	4.3	39.2	43.5	16.5	39.2	0.5	0.4	49.2	55.1
Hungary	749	35.4	24.4	15.8	3.8	52.6	24.4	19.6	52.6	3.4	0.0	27.2	44.2
Ireland	729	51.3	37.1	21.9	3.3	34.6	37.1	25.2	34.6	3.1	0.1	46.3	55.8
Israel	722	35.8	22.7	15.3	6.2	49.2	22.7	21.5	49.2	6.2	0.3	31.0	40.6
Italy	638	27.7	16.6	14.2	4.6	58.4	16.6	18.8	58.4	6.2	0.0	20.1	35.5
Japan	325	49.2	40.1	11.4	3.6	41.6	40.1	15.0	41.6	3.3	0.0	41.7	55.5
Jordan	1368	9.4	3.5	6.6	4.6	82.5	3.5	11.2	82.5	2.7	0.1	5.9	12.5
Kazakhstan	897	25.2	15.1	13.6	4.7	62.7	15.1	18.4	62.7	3.8	0.1	21.1	28.8
Korea, Rep. of	358	47.4	37.0	8.8	8.1	41.9	37.0	16.9	41.9	4.0	0.3	40.5	54.4
Lithuania	768	40.7	27.8	14.5	6.5	45.3	27.8	21.0	45.3	5.9	0.0	33.2	48.2
Malaysia	1231	13.1	6.0	7.4	6.6	79.3	6.0	13.9	79.3	0.7	0.0	12.4	13.9
Malta	572	29.9	17.4	17.6	4.4	55.6	17.4	22.0	55.6	5.0	0.0	22.3	36.4
Morocco	1743	9.4	3.4	5.2	4.8	76.5	3.4	9.9	76.5	9.7	0.5	8.9	9.8
New Zealand	531	31.3	17.5	18.6	5.8	53.0	17.5	24.4	53.0	4.9	0.2	25.7	35.7
Norway (9)	886	43.6	25.0	22.1	5.9	36.6	25.0	27.9	36.6	10.0	0.5	42.5	44.6
Oman	1630	11.1	4.9	6.2	5.4	80.2	4.9	11.6	80.2	3.3	0.0	7.8	14.1
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.	.	.	.
Portugal	757	18.7	10.1	11.7	3.1	68.8	10.1	14.8	68.8	6.3	0.0	13.7	23.4
Qatar	599	20.6	11.7	9.9	5.6	67.6	11.7	15.5	67.6	5.0	0.2	13.9	26.8
Romania	523	36.7	23.6	18.0	5.1	49.0	23.6	23.1	49.0	4.2	0.1	32.7	40.0
Saudi Arabia	1170	14.9	6.1	10.9	6.3	74.9	6.1	17.2	74.9	1.8	0.0	11.8	17.8
Singapore	401	73.5	64.2	14.9	3.8	17.1	64.2	18.7	17.1	0.0	0.0	71.9	75.1
Sweden	694	55.1	37.0	23.9	6.6	27.3	37.0	30.5	27.3	4.6	0.6	51.6	58.5
Turkiye	706	39.1	28.5	10.6	6.2	49.1	28.5	16.8	49.1	5.5	0.1	35.6	43.0
United Arab Emirates	5328	30.7	21.6	11.8	5.0	59.1	21.6	16.8	59.1	2.4	0.1	23.9	37.2
United States	1153	23.1	14.5	13.6	2.5	66.8	14.5	16.1	66.8	2.4	0.3	18.5	27.2
Uzbekistan	612	14.5	7.2	6.9	6.3	74.7	7.2	13.2	74.7	4.7	0.2	10.1	18.6
International Avg. (39)	37844	32.1	21.2	13.3	5.1	54.8	21.2	18.4	54.8	5.4	0.2	27.0	36.9
Abu Dhabi, UAE	2426	23.4	15.0	11.2	4.6	66.8	15.0	15.8	66.8	2.3	0.1	17.5	28.9
Dubai, UAE	1163	48.9	37.8	13.7	5.3	40.0	37.8	19.0	40.0	3.2	0.0	38.0	59.2
Sharjah, UAE	893	32.3	22.4	12.3	6.0	57.0	22.4	18.3	57.0	2.2	0.1	29.1	35.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME2_03A ME62215A: Fill in bicycle sale table - price - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	44.6	42.1	52.3	42.1	52.3	5.1	0.5	38.7	49.5
Austria	644	45.6	42.2	50.2	42.2	50.2	7.6	0.0	40.5	50.9
Azerbaijan	852	25.3	20.8	61.5	20.8	61.5	17.2	0.5	20.2	29.7
Bahrain	734	17.5	16.7	78.8	16.7	78.8	4.5	0.0	14.3	20.7
Brazil	3229	14.3	12.9	77.6	12.9	77.6	9.3	0.2	8.3	19.9
Chile	632	21.1	17.9	67.0	17.9	67.0	14.3	0.7	14.4	26.9
Chinese Taipei	475	57.1	56.4	42.4	56.4	42.4	1.3	0.0	56.1	58.1
Cyprus	585	31.3	28.3	62.0	28.3	62.0	9.4	0.3	21.4	40.4
Czech Republic	1119	54.9	50.8	41.7	50.8	41.7	7.6	0.0	44.1	64.3
England	582	52.2	48.5	44.5	48.5	44.5	7.0	0.0	42.9	60.8
Finland	809	54.7	51.4	42.7	51.4	42.7	5.5	0.4	46.7	62.8
France	641	23.3	21.0	69.1	21.0	69.1	9.7	0.2	17.6	29.0
Georgia	674	30.9	26.9	60.3	26.9	60.3	12.6	0.1	21.1	40.2
Hong Kong SAR	621	56.6	55.9	42.8	55.9	42.8	1.0	0.3	52.0	61.2
Hungary	749	41.9	40.2	55.7	40.2	55.7	4.2	0.0	32.8	51.4
Ireland	729	61.2	58.9	37.4	58.9	37.4	3.5	0.1	55.9	65.9
Israel	722	41.3	38.1	54.2	38.1	54.2	7.4	0.3	34.8	47.5
Italy	638	33.4	30.8	61.3	30.8	61.3	8.0	0.0	24.3	43.0
Japan	325	53.5	51.5	44.7	51.5	44.7	3.9	0.0	46.3	59.6
Jordan	1368	10.5	10.1	85.9	10.1	85.9	3.9	0.1	6.3	14.3
Kazakhstan	897	30.1	28.7	66.5	28.7	66.5	4.7	0.1	24.4	35.1
Korea, Rep. of	358	48.0	45.8	49.5	45.8	49.5	4.5	0.3	41.7	54.4
Lithuania	768	45.2	42.4	51.3	42.4	51.3	6.3	0.0	38.0	52.3
Malaysia	1231	13.6	13.4	85.4	13.4	85.4	1.2	0.0	12.0	15.3
Malta	572	37.0	35.0	59.6	35.0	59.6	5.4	0.0	30.6	42.4
Morocco	1743	9.7	8.6	79.9	8.6	79.9	11.0	0.5	8.6	10.7
New Zealand	531	38.4	36.1	58.0	36.1	58.0	5.7	0.2	30.0	44.9
Norway (9)	886	53.1	47.1	41.7	47.1	41.7	10.8	0.5	51.0	54.8
Oman	1630	11.7	11.2	84.7	11.2	84.7	4.2	0.0	6.9	16.0
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	757	23.6	21.8	70.7	21.8	70.7	7.5	0.0	17.4	29.4
Qatar	599	22.9	21.6	72.7	21.6	72.7	5.5	0.2	15.2	30.1
Romania	523	43.8	41.6	53.3	41.6	53.3	5.0	0.1	39.3	47.6
Saudi Arabia	1170	17.4	16.9	80.5	16.9	80.5	2.6	0.0	12.3	22.1
Singapore	401	79.3	79.1	20.6	79.1	20.6	0.3	0.0	77.9	80.6
Sweden	694	64.4	60.9	33.7	60.9	33.7	4.8	0.6	60.5	68.2
Turkiye	706	42.2	39.1	53.6	39.1	53.6	7.2	0.1	39.5	45.1
United Arab Emirates	5328	34.5	33.3	63.3	33.3	63.3	3.3	0.1	26.4	42.1
United States	1153	28.9	28.0	69.1	28.0	69.1	2.6	0.3	23.6	33.6
Uzbekistan	612	14.9	14.1	80.7	14.1	80.7	5.1	0.2	11.7	17.8
International Avg. (39)	37859	36.7	34.5	59.1	34.5	59.1	6.2	0.2	30.9	42.0
Abu Dhabi, UAE	2426	27.0	26.2	70.7	26.2	70.7	3.0	0.1	19.4	34.1
Dubai, UAE	1163	53.8	51.5	44.2	51.5	44.2	4.3	0.0	40.8	66.1
Sharjah, UAE	893	35.8	34.6	62.2	34.6	62.2	3.1	0.1	34.3	37.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME2_03B ME62215B: Fill in bicycle sale table - discount - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	32.7	30.2	62.1	30.2	62.1	7.2	0.5	24.3	39.4
Austria	645	29.5	26.3	62.7	26.3	62.7	11.0	0.0	23.9	35.3
Azerbaijan	852	28.2	21.2	54.0	21.2	54.0	24.4	0.5	22.2	33.0
Bahrain	734	15.2	14.1	78.6	14.1	78.6	7.3	0.0	15.9	14.6
Brazil	3231	11.4	10.1	78.1	10.1	78.1	11.6	0.2	8.0	14.7
Chile	632	17.5	14.4	67.8	14.4	67.8	17.1	0.7	10.9	23.3
Chinese Taipei	475	47.3	46.2	51.5	46.2	51.5	2.3	0.0	44.4	50.2
Cyprus	585	28.4	23.8	60.0	23.8	60.0	15.9	0.3	19.2	36.1
Czech Republic	1119	40.4	35.7	52.8	35.7	52.8	11.5	0.0	32.2	47.2
England	582	40.9	35.5	51.3	35.5	51.3	13.2	0.0	32.6	48.5
Finland	809	39.9	36.8	55.5	36.8	55.5	7.3	0.4	30.5	49.3
France	640	13.1	11.0	72.8	11.0	72.8	16.0	0.2	9.2	17.0
Georgia	676	30.3	23.8	54.7	23.8	54.7	21.4	0.1	29.1	31.4
Hong Kong SAR	610	49.0	47.8	49.8	47.8	49.8	2.0	0.4	48.1	49.9
Hungary	749	30.5	28.2	64.2	28.2	64.2	7.6	0.0	23.3	38.0
Ireland	729	44.2	40.4	50.9	40.4	50.9	8.6	0.1	39.2	48.7
Israel	722	32.4	28.9	60.4	28.9	60.4	10.4	0.3	29.8	34.8
Italy	638	24.1	21.1	66.7	21.1	66.7	12.1	0.0	17.6	30.4
Japan	325	46.2	43.7	50.9	43.7	50.9	5.5	0.0	37.5	53.6
Jordan	1369	8.6	8.1	85.9	8.1	85.9	6.0	0.1	5.9	11.1
Kazakhstan	897	21.6	19.8	71.7	19.8	71.7	8.5	0.1	19.4	23.5
Korea, Rep. of	358	47.4	45.1	49.9	45.1	49.9	4.7	0.3	40.4	54.5
Lithuania	768	38.5	34.3	54.9	34.3	54.9	10.8	0.0	30.8	45.9
Malaysia	1231	12.9	12.6	85.4	12.6	85.4	1.9	0.0	13.0	12.7
Malta	572	24.7	21.8	66.6	21.8	66.6	11.5	0.0	15.3	32.5
Morocco	1743	9.7	8.2	76.3	8.2	76.3	15.1	0.5	9.9	9.5
New Zealand	531	25.1	23.3	69.6	23.3	69.6	6.9	0.2	22.5	27.0
Norway (9)	887	36.1	30.9	54.7	30.9	54.7	14.0	0.4	36.9	35.5
Oman	1630	11.2	10.3	81.8	10.3	81.8	7.9	0.0	9.2	12.9
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	757	14.9	13.2	75.5	13.2	75.5	11.3	0.0	11.1	18.4
Qatar	599	18.9	17.3	74.3	17.3	74.3	8.2	0.2	13.4	24.1
Romania	524	31.9	28.7	61.2	28.7	61.2	10.0	0.1	29.1	34.0
Saudi Arabia	1170	12.9	12.3	83.4	12.3	83.4	4.3	0.0	11.7	14.0
Singapore	401	68.3	68.0	31.6	68.0	31.6	0.4	0.0	66.9	69.5
Sweden	696	47.3	43.5	48.5	43.5	48.5	7.4	0.6	44.8	49.6
Turkiye	706	38.5	34.7	55.4	34.7	55.4	9.8	0.1	34.4	43.0
United Arab Emirates	5328	28.1	26.6	67.9	26.6	67.9	5.4	0.1	22.6	33.3
United States	1153	17.6	17.0	79.3	17.0	79.3	3.4	0.3	13.8	21.0
Uzbekistan	612	14.9	13.5	77.3	13.5	77.3	9.0	0.2	9.1	20.2
International Avg. (39)	37857	29.0	26.4	64.0	26.4	64.0	9.5	0.2	24.6	33.0
Abu Dhabi, UAE	2426	20.7	19.5	75.0	19.5	75.0	5.3	0.1	16.5	24.5
Dubai, UAE	1163	45.7	43.1	51.3	43.1	51.3	5.7	0.0	37.2	53.5
Sharjah, UAE	893	30.1	28.4	65.8	28.4	65.8	5.7	0.1	25.3	34.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Reasoning

B_ME2_04 ME62143: Number of girls in a class given boys:girls - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1170	32.9	30.3	61.8	30.3	61.8	7.3	0.5	29.5	35.7
Austria	645	18.2	15.5	69.9	15.5	69.9	14.5	0.1	14.8	21.9
Azerbaijan	852	34.2	27.7	53.1	27.7	53.1	18.7	0.5	34.4	34.1
Bahrain	733	12.3	11.3	80.7	11.3	80.7	7.9	0.1	12.2	12.4
Brazil	3229	6.8	5.9	80.9	5.9	80.9	12.6	0.6	5.2	8.3
Chile	632	8.4	6.5	70.8	6.5	70.8	21.8	0.9	8.5	8.3
Chinese Taipei	474	63.8	62.5	35.5	62.5	35.5	2.0	0.0	67.0	60.7
Cyprus	585	22.5	19.0	65.4	19.0	65.4	15.2	0.3	17.5	26.9
Czech Republic	1119	30.4	26.2	59.9	26.2	59.9	13.9	0.0	23.9	36.1
England	582	45.4	40.9	49.2	40.9	49.2	9.8	0.0	41.3	49.0
Finland	809	21.1	18.8	70.2	18.8	70.2	10.7	0.4	15.1	27.3
France	639	11.5	8.8	67.9	8.8	67.9	23.1	0.2	11.7	11.3
Georgia	674	27.1	21.3	57.3	21.3	57.3	21.3	0.1	22.0	32.1
Hong Kong SAR	618	55.0	53.4	43.7	53.4	43.7	2.6	0.3	53.2	56.8
Hungary	749	29.3	27.3	65.8	27.3	65.8	6.9	0.0	25.4	33.4
Ireland	729	37.5	34.8	58.0	34.8	58.0	7.0	0.3	30.5	43.6
Israel	722	25.9	22.0	63.0	22.0	63.0	14.7	0.3	18.1	33.3
Italy	638	19.9	16.3	65.4	16.3	65.4	18.3	0.0	16.8	23.2
Japan	325	60.3	54.9	36.1	54.9	36.1	9.0	0.0	46.9	72.2
Jordan	1368	3.5	3.4	92.0	3.4	92.0	4.6	0.1	2.2	4.8
Kazakhstan	897	15.2	13.6	75.9	13.6	75.9	10.3	0.1	14.8	15.6
Korea, Rep. of	358	63.7	61.3	35.0	61.3	35.0	3.3	0.4	61.6	65.8
Lithuania	768	27.7	24.4	63.7	24.4	63.7	11.9	0.0	24.1	31.1
Malaysia	1231	9.2	9.1	89.6	9.1	89.6	1.3	0.0	9.8	8.7
Malta	572	18.9	17.3	74.3	17.3	74.3	8.5	0.0	12.2	24.8
Morocco	1742	3.3	2.7	80.2	2.7	80.2	16.3	0.8	4.1	2.6
New Zealand	531	26.1	23.2	65.9	23.2	65.9	10.7	0.2	21.5	29.6
Norway (9)	886	27.8	22.2	57.8	22.2	57.8	19.5	0.5	26.2	29.1
Oman	1626	8.6	8.2	86.5	8.2	86.5	5.4	0.0	7.1	10.0
Palestinian Nat'l Auth.	1305	5.4	5.1	90.3	5.1	90.3	4.6	0.0	4.9	5.8
Portugal	757	7.7	6.5	78.1	6.5	78.1	15.4	0.0	5.8	9.5
Qatar	599	12.6	11.7	81.5	11.7	81.5	6.7	0.2	8.0	16.8
Romania	522	31.8	28.4	61.0	28.4	61.0	10.4	0.1	36.8	27.5
Saudi Arabia	1170	3.1	3.0	94.5	3.0	94.5	2.5	0.0	2.5	3.6
Singapore	401	80.8	80.6	19.1	80.6	19.1	0.3	0.0	80.8	80.9
Sweden	694	22.0	18.1	64.1	18.1	64.1	16.8	1.1	21.2	22.7
Turkiye	706	39.0	34.3	53.7	34.3	53.7	11.9	0.1	37.5	40.6
United Arab Emirates	5328	24.2	23.0	72.1	23.0	72.1	4.7	0.2	20.4	27.7
United States	1153	21.3	20.7	76.4	20.7	76.4	2.6	0.3	15.0	26.9
Uzbekistan	612	18.5	16.9	74.2	16.9	74.2	8.5	0.4	15.7	21.0
International Avg. (40)	39150	25.8	23.4	66.0	23.4	66.0	10.3	0.2	23.2	28.3
Abu Dhabi, UAE	2426	17.0	16.2	79.0	16.2	79.0	4.6	0.1	14.0	19.8
Dubai, UAE	1163	40.8	38.4	55.7	38.4	55.7	5.9	0.0	34.3	46.9
Sharjah, UAE	893	26.3	25.3	70.9	25.3	70.9	3.5	0.2	25.1	27.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME2_05 ME62230: Identify expression equivalent to $(3x + 6) / 9x$ - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	24.7	14.6	24.1	25.3	33.6	1.8	0.6	18.6	29.9
Austria	645	39.0	7.5	38.3	9.9	42.5	1.7	0.1	37.6	40.5
Azerbaijan	852	53.4	9.8	51.8	11.7	23.7	2.6	0.5	58.1	49.3
Bahrain	734	26.9	15.9	26.4	21.8	34.1	1.7	0.1	24.8	28.9
Brazil	0	.	.	.	.	.	.	.	.	.
Chile	0	.	.	.	.	.	.	.	.	.
Chinese Taipei	475	64.4	3.9	64.4	8.1	23.7	0.0	0.0	64.4	64.3
Cyprus	585	24.3	11.4	24.0	11.5	51.8	0.9	0.3	24.0	24.7
Czech Republic	1119	29.8	8.0	29.5	23.4	37.8	1.3	0.0	29.2	30.5
England	582	36.5	11.0	35.9	19.1	32.4	1.6	0.0	35.1	37.8
Finland	809	24.2	10.2	23.6	34.1	29.8	1.9	0.5	19.7	29.0
France	0	.	.	.	.	.	.	.	.	.
Georgia	676	35.3	12.0	34.7	13.8	37.7	1.6	0.1	34.4	36.3
Hong Kong SAR	623	55.1	5.5	54.7	8.5	30.6	0.3	0.3	54.1	56.2
Hungary	749	32.1	9.6	32.0	15.0	43.1	0.3	0.0	27.7	36.9
Ireland	729	30.7	13.2	30.5	28.7	26.9	0.4	0.3	29.0	32.2
Israel	722	41.8	13.0	40.8	16.5	27.5	1.9	0.3	35.0	48.9
Italy	0	.	.	.	.	.	.	.	.	.
Japan	325	49.1	7.7	49.1	6.0	37.2	0.0	0.0	44.6	53.1
Jordan	1369	30.7	13.7	30.6	18.9	36.3	0.5	0.1	26.6	34.6
Kazakhstan	897	31.6	9.3	31.4	16.4	42.5	0.3	0.1	36.9	26.9
Korea, Rep. of	358	51.1	7.5	50.9	5.6	35.6	0.0	0.4	50.4	51.8
Lithuania	768	22.3	9.6	22.2	27.0	40.3	0.8	0.0	22.8	21.9
Malaysia	1231	29.4	8.3	29.4	14.8	47.4	0.0	0.2	28.5	30.5
Malta	572	28.9	14.8	28.5	13.5	41.8	1.4	0.0	23.3	33.9
Morocco	1743	24.6	13.6	24.2	20.2	40.1	1.1	0.8	24.7	24.6
New Zealand	531	26.5	17.8	25.9	16.0	38.0	2.2	0.2	25.3	27.5
Norway (9)	887	25.6	19.0	24.5	23.2	28.8	4.0	0.6	20.3	30.3
Oman	1630	29.9	11.5	29.5	26.5	31.2	1.3	0.0	27.1	32.5
Palestinian Nat'l Auth.	0	.	.	.	.	.	.	.	.	.
Portugal	757	23.7	12.6	23.5	31.4	31.8	0.7	0.0	22.6	24.7
Qatar	599	28.0	19.0	27.5	18.0	33.9	1.5	0.2	26.8	29.1
Romania	524	44.1	7.7	43.7	11.4	36.3	0.8	0.1	47.2	41.6
Saudi Arabia	0	.	.	.	.	.	.	.	.	.
Singapore	401	73.6	4.6	73.5	5.7	16.0	0.3	0.0	69.2	77.8
Sweden	696	27.3	15.1	26.1	20.7	33.7	3.4	1.1	27.3	27.3
Turkiye	706	42.8	6.9	41.7	13.1	35.8	2.4	0.1	44.9	40.3
United Arab Emirates	5328	36.8	14.1	36.4	18.7	29.9	0.7	0.2	31.5	41.9
United States	1153	30.5	18.2	30.0	17.3	32.8	1.1	0.6	30.6	30.4
Uzbekistan	612	36.5	11.1	36.3	12.7	39.2	0.4	0.4	38.0	35.2
International Avg. (34)	31559	35.6	11.4	35.2	17.2	34.8	1.2	0.2	34.1	37.1
Abu Dhabi, UAE	2426	33.7	16.3	33.5	18.7	30.9	0.5	0.2	31.0	36.2
Dubai, UAE	1163	45.1	8.7	44.6	15.8	29.7	1.1	0.2	35.5	54.5
Sharjah, UAE	893	36.9	13.5	36.7	17.4	32.0	0.3	0.2	32.4	41.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_ME2_06 ME62095: Equation for Bruno's monthly cell phone cost - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	48.9	48.0	27.1	17.3	5.8	1.2	0.6	47.5	50.0
Austria	645	45.8	44.2	25.2	20.1	7.2	3.2	0.1	44.8	46.7
Azerbaijan	852	40.7	38.3	29.5	15.1	11.3	5.4	0.5	43.1	38.6
Bahrain	734	35.6	35.0	32.3	22.5	8.5	1.6	0.1	39.8	31.5
Brazil	3232	28.5	27.6	34.9	28.1	6.1	2.5	0.8	27.6	29.5
Chile	632	32.9	30.7	36.5	20.8	5.0	5.9	1.0	28.5	36.9
Chinese Taipei	475	80.0	80.0	10.0	7.7	2.2	0.0	0.0	85.5	74.5
Cyprus	585	54.1	52.8	21.0	15.0	8.9	2.0	0.3	55.2	53.0
Czech Republic	1119	39.9	38.8	29.2	21.6	7.6	2.8	0.0	39.3	40.4
England	582	46.0	45.3	30.4	17.3	5.5	1.5	0.0	43.0	48.8
Finland	809	43.6	42.1	28.7	20.6	5.0	3.0	0.5	42.8	44.5
France	642	48.2	47.5	26.1	18.8	6.2	1.2	0.2	49.0	47.3
Georgia	676	57.5	55.7	15.5	18.8	6.8	3.0	0.1	57.9	57.1
Hong Kong SAR	623	64.6	64.3	16.0	13.8	5.4	0.2	0.3	64.4	64.9
Hungary	749	49.6	49.4	26.0	21.5	2.8	0.3	0.0	43.8	55.9
Ireland	729	44.6	44.2	30.4	19.2	5.3	0.7	0.3	46.8	42.7
Israel	722	58.0	56.7	19.1	16.4	5.5	1.7	0.5	56.7	59.4
Italy	638	46.2	45.3	28.1	17.8	6.8	1.9	0.0	47.2	45.2
Japan	325	71.0	70.8	12.7	7.7	8.5	0.2	0.0	65.5	75.9
Jordan	1369	33.2	32.9	34.8	22.1	9.4	0.6	0.2	35.8	30.8
Kazakhstan	897	41.7	41.3	25.8	21.1	10.8	0.9	0.1	45.8	38.0
Korea, Rep. of	358	68.4	68.0	20.0	9.0	2.4	0.3	0.4	68.6	68.2
Lithuania	768	54.0	53.6	25.4	14.5	5.9	0.7	0.0	53.7	54.2
Malaysia	1231	29.3	29.3	32.5	30.2	7.7	0.1	0.2	31.7	26.8
Malta	572	44.7	44.2	29.3	20.2	5.1	1.2	0.0	44.4	45.1
Morocco	1743	25.7	25.1	34.3	27.5	10.6	1.6	0.8	25.9	25.6
New Zealand	531	40.8	39.5	30.4	21.9	5.0	3.0	0.2	41.0	40.6
Norway (9)	887	41.5	39.4	28.9	20.2	6.4	4.5	0.6	40.0	43.0
Oman	1630	33.6	33.3	35.1	21.0	9.6	0.8	0.1	35.1	32.2
Palestinian Nat'l Auth.	1306	29.7	29.2	32.5	26.4	10.4	1.5	0.1	33.6	26.0
Portugal	757	39.5	39.3	35.8	17.8	6.7	0.5	0.0	39.3	39.6
Qatar	599	39.9	39.1	28.6	23.3	6.8	2.0	0.2	45.6	34.7
Romania	524	39.0	38.2	27.7	23.7	8.3	1.9	0.1	34.7	42.5
Saudi Arabia	1170	41.0	40.8	29.4	19.9	9.4	0.5	0.0	43.9	38.3
Singapore	401	73.4	73.0	10.4	10.6	5.5	0.5	0.0	70.3	76.4
Sweden	696	54.8	52.7	23.2	11.6	8.7	2.7	1.1	55.0	54.7
Turkiye	706	51.3	48.9	26.2	12.9	7.3	4.6	0.1	52.5	49.9
United Arab Emirates	5328	46.3	45.8	28.2	18.4	6.5	0.8	0.2	45.2	47.4
United States	1153	51.2	50.5	28.2	14.4	5.6	0.7	0.6	49.9	52.3
Uzbekistan	612	25.6	24.9	32.0	27.7	12.9	2.1	0.4	25.2	25.9
International Avg. (40)	39179	46.0	45.1	26.9	18.9	7.0	1.7	0.3	46.1	45.9
Abu Dhabi, UAE	2426	38.5	38.3	33.2	20.7	7.3	0.3	0.2	37.4	39.6
Dubai, UAE	1163	63.1	61.8	19.5	12.0	4.7	1.8	0.2	60.8	65.4
Sharjah, UAE	893	45.8	45.3	26.3	20.9	6.5	0.8	0.2	45.3	46.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_ME2_07 ME62076: Room divided into classroom M and laboratory L - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	61.6	60.9	24.1	10.9	2.9	0.6	0.6	63.0	60.4
Austria	645	71.6	71.0	17.1	8.9	2.1	0.8	0.1	75.0	68.1
Azerbaijan	852	57.9	56.2	22.2	12.9	5.9	2.2	0.7	57.6	58.1
Bahrain	734	51.8	51.3	25.4	15.1	7.3	0.8	0.1	54.3	49.2
Brazil	3232	37.1	36.1	31.3	19.3	10.7	1.8	0.9	38.9	35.2
Chile	632	39.1	37.0	33.9	16.9	6.9	4.3	1.0	37.7	40.3
Chinese Taipei	475	90.8	90.8	5.0	2.5	1.7	0.0	0.0	92.7	89.0
Cyprus	585	64.0	63.3	20.5	11.6	3.5	0.7	0.3	62.7	65.2
Czech Republic	1119	59.7	59.3	25.7	10.7	3.6	0.7	0.0	57.3	61.8
England	582	61.5	60.8	20.6	12.7	4.8	1.2	0.0	61.5	61.5
Finland	809	58.5	57.3	27.9	10.2	2.5	1.5	0.5	59.4	57.4
France	642	55.0	54.6	27.6	13.7	3.4	0.5	0.2	58.2	51.7
Georgia	676	51.3	50.1	26.5	16.1	5.0	2.2	0.1	53.0	49.5
Hong Kong SAR	623	85.7	85.0	7.0	5.4	1.8	0.5	0.3	86.9	84.6
Hungary	749	56.3	56.0	25.2	13.0	5.2	0.5	0.0	54.5	58.3
Ireland	729	58.7	58.3	27.5	10.5	3.0	0.3	0.3	63.1	54.8
Israel	722	63.5	62.3	18.2	13.0	4.6	1.5	0.5	64.5	62.5
Italy	638	69.1	68.8	19.8	8.3	2.7	0.4	0.0	71.6	66.4
Japan	325	83.9	83.9	8.3	5.2	2.6	0.0	0.0	83.6	84.2
Jordan	1369	42.8	42.6	28.3	19.6	9.1	0.3	0.2	48.6	37.4
Kazakhstan	897	49.7	49.1	22.9	19.4	7.3	1.1	0.1	53.4	46.5
Korea, Rep. of	358	88.1	87.0	4.3	5.0	2.4	0.8	0.4	90.5	85.7
Lithuania	768	69.7	69.4	17.4	8.6	4.2	0.4	0.0	70.9	68.5
Malaysia	1231	51.6	51.5	27.2	13.8	7.4	0.0	0.2	56.1	46.7
Malta	572	59.5	59.3	21.5	12.7	6.2	0.4	0.0	60.1	59.0
Morocco	1381	41.4	40.8	39.1	11.9	6.8	0.6	0.9	44.1	38.8
New Zealand	531	54.8	53.9	26.6	11.2	6.7	1.4	0.2	52.9	56.3
Norway (9)	887	60.0	58.2	26.9	9.6	2.3	2.3	0.8	64.7	56.1
Oman	1630	44.1	43.7	36.0	13.2	6.3	0.5	0.3	47.2	41.2
Palestinian Nat'l Auth.	1306	39.7	39.6	33.6	18.9	7.6	0.3	0.1	42.3	37.3
Portugal	757	59.7	59.5	25.6	10.0	4.6	0.4	0.0	60.0	59.4
Qatar	599	50.8	50.5	24.4	16.7	7.8	0.6	0.2	48.6	52.9
Romania	523	64.9	63.5	18.6	11.2	4.5	2.0	0.1	65.0	64.7
Saudi Arabia	1170	45.1	44.9	31.6	15.0	8.1	0.3	0.0	48.7	41.7
Singapore	401	90.3	90.1	5.3	3.2	1.2	0.3	0.0	92.3	88.5
Sweden	696	68.6	66.7	22.2	6.5	1.8	1.7	1.2	65.8	71.3
Turkiye	706	65.2	64.2	13.5	13.1	7.6	1.6	0.1	67.8	62.3
United Arab Emirates	5328	63.1	62.4	20.2	10.8	5.7	0.6	0.4	63.7	62.4
United States	1153	57.2	56.6	25.0	11.1	6.1	0.4	0.8	57.6	56.9
Uzbekistan	612	46.3	45.7	27.6	16.5	8.8	0.9	0.4	46.5	46.2
International Avg. (40)	38816	59.7	59.1	22.8	11.9	5.1	0.9	0.3	61.1	58.4
Abu Dhabi, UAE	2426	57.1	56.8	24.5	11.4	6.7	0.4	0.2	57.8	56.5
Dubai, UAE	1163	75.2	74.3	13.5	7.7	3.4	0.5	0.6	73.5	76.8
Sharjah, UAE	893	65.6	64.9	17.6	11.0	5.4	0.7	0.3	68.6	62.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_ME2_08 ME62030: Find cost of taxi ride with table - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	45.0	44.3	31.4	22.7	44.3	54.1	1.1	0.6	47.8	42.7
Austria	645	38.5	37.6	37.5	22.7	37.6	60.2	2.1	0.1	41.0	35.8
Azerbaijan	852	44.8	40.7	19.1	31.2	40.7	50.2	8.4	0.7	46.4	43.4
Bahrain	734	44.8	43.7	13.9	39.9	43.7	53.8	2.3	0.1	51.4	38.1
Brazil	3230	27.9	26.7	24.6	44.5	26.7	69.2	3.1	1.0	26.6	29.1
Chile	632	44.1	41.3	26.3	26.1	41.3	52.4	5.2	1.0	44.0	44.2
Chinese Taipei	475	70.6	70.2	15.9	13.3	70.2	29.2	0.6	0.0	72.0	69.2
Cyprus	584	47.4	45.7	21.1	29.7	45.7	50.8	2.9	0.5	52.6	42.5
Czech Republic	1119	49.3	48.4	34.2	15.5	48.4	49.7	1.9	0.0	49.7	49.0
England	582	45.2	43.9	35.4	17.8	43.9	53.2	2.8	0.0	42.3	48.0
Finland	809	44.4	43.5	32.7	21.9	43.5	54.6	1.4	0.5	45.2	43.5
France	641	42.9	41.8	31.3	24.4	41.8	55.7	2.3	0.2	47.2	38.4
Georgia	676	42.8	40.7	26.1	28.3	40.7	54.4	4.7	0.2	44.1	41.5
Hong Kong SAR	622	62.4	61.7	21.7	15.5	61.7	37.2	0.8	0.3	60.8	64.1
Hungary	749	44.0	43.8	35.8	19.9	43.8	55.8	0.4	0.0	42.1	46.0
Ireland	729	48.5	48.2	31.7	19.6	48.2	51.2	0.3	0.3	49.0	48.0
Israel	722	41.1	39.8	29.1	28.1	39.8	57.2	2.4	0.6	43.2	38.8
Italy	638	43.4	42.5	31.5	23.8	42.5	55.3	2.2	0.0	43.8	43.1
Japan	325	62.6	62.0	22.5	14.5	62.0	37.0	0.9	0.0	61.5	63.6
Jordan	1369	28.5	28.1	19.3	51.4	28.1	70.7	1.0	0.2	34.3	23.0
Kazakhstan	897	39.3	38.4	29.3	30.0	38.4	59.3	2.1	0.1	38.5	40.1
Korea, Rep. of	358	61.2	60.3	25.2	13.1	60.3	38.3	1.0	0.4	61.6	60.7
Lithuania	768	45.5	44.6	35.2	18.2	44.6	53.4	1.9	0.0	49.1	41.9
Malaysia	1231	42.2	42.0	22.3	35.2	42.0	57.5	0.3	0.2	46.9	37.2
Malta	572	48.1	47.4	25.8	25.4	47.4	51.2	1.4	0.0	47.4	48.6
Morocco	1743	19.0	17.8	24.6	51.2	17.8	75.8	5.5	1.0	20.0	18.1
New Zealand	531	39.8	39.4	37.0	22.5	39.4	59.5	0.9	0.2	43.8	36.6
Norway (9)	887	35.0	33.7	44.9	17.6	33.7	62.6	2.9	0.9	38.6	31.9
Oman	1629	30.9	30.2	18.6	49.0	30.2	67.6	1.9	0.3	39.7	22.9
Palestinian Nat'l Auth.	1305	24.6	24.3	14.9	59.4	24.3	74.4	1.3	0.1	28.9	20.6
Portugal	757	50.8	50.2	26.1	22.5	50.2	48.6	1.2	0.0	54.4	47.3
Qatar	599	45.3	44.2	24.0	29.5	44.2	53.5	2.1	0.2	49.0	41.8
Romania	524	36.6	35.7	34.4	27.5	35.7	62.0	2.2	0.1	36.3	36.8
Saudi Arabia	1170	35.2	34.9	16.5	47.8	34.9	64.3	0.7	0.0	36.8	33.6
Singapore	401	65.9	65.8	17.0	17.0	65.8	34.0	0.3	0.0	68.0	64.0
Sweden	696	46.2	44.9	33.5	18.9	44.9	52.3	1.5	1.3	52.4	40.3
Turkiye	705	55.3	54.0	17.7	26.0	54.0	43.8	2.1	0.1	57.0	53.3
United Arab Emirates	5328	49.4	48.9	17.7	32.4	48.9	50.1	0.6	0.4	52.1	46.8
United States	1153	48.5	47.7	21.4	29.4	47.7	50.7	0.7	0.9	52.3	45.0
Uzbekistan	612	26.9	26.2	32.9	38.5	26.2	71.4	2.0	0.4	27.0	26.7
International Avg. (40)	39171	44.1	43.1	26.5	28.0	43.1	54.6	2.0	0.3	46.1	42.1
Abu Dhabi, UAE	2426	42.5	42.1	17.9	39.1	42.1	57.0	0.7	0.2	45.7	39.5
Dubai, UAE	1163	62.2	61.5	16.3	21.0	61.5	37.3	0.5	0.7	62.6	61.9
Sharjah, UAE	893	50.5	50.0	19.7	29.4	50.0	49.1	0.5	0.3	54.9	46.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Knowing

B_ME2_09 ME62171: Shaded square reflected over the line XY - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	61.2	7.4	19.9	11.2	60.7	0.3	0.6	65.1	57.9
Austria	645	68.5	7.7	14.1	9.5	68.2	0.4	0.1	73.9	63.0
Azerbaijan	852	43.6	20.6	21.0	13.6	42.8	1.2	0.8	48.2	39.7
Bahrain	733	36.8	11.1	29.8	21.4	36.2	1.0	0.5	41.1	32.3
Brazil	3232	26.9	36.4	20.7	14.3	26.2	1.1	1.2	27.7	26.0
Chile	632	45.3	20.0	19.3	13.3	43.6	2.8	1.0	46.0	44.7
Chinese Taipei	475	65.2	4.3	21.0	9.5	65.2	0.0	0.0	71.7	58.9
Cyprus	585	51.9	15.9	15.6	15.9	51.2	0.8	0.5	52.6	51.1
Czech Republic	1119	78.7	3.0	6.1	12.2	78.4	0.3	0.0	80.9	76.7
England	582	62.3	6.9	21.2	9.4	62.0	0.5	0.0	63.0	61.7
Finland	809	66.5	5.6	14.5	13.0	65.6	0.6	0.6	71.6	60.8
France	642	59.5	12.1	16.8	10.9	58.5	1.4	0.2	62.4	56.4
Georgia	676	38.2	27.8	15.3	17.5	37.4	1.8	0.2	40.2	36.1
Hong Kong SAR	623	63.6	3.9	18.4	14.0	63.4	0.0	0.3	64.5	62.6
Hungary	749	62.8	6.9	19.1	11.2	62.8	0.0	0.0	65.1	60.3
Ireland	729	52.4	9.3	24.3	13.8	52.2	0.1	0.3	57.1	48.2
Israel	722	44.2	13.5	28.1	13.5	43.7	0.5	0.7	48.2	40.0
Italy	638	56.7	7.7	20.8	14.8	56.7	0.0	0.0	58.7	54.6
Japan	325	86.3	1.6	6.6	5.4	85.5	0.8	0.0	85.8	86.7
Jordan	1369	30.7	16.3	27.2	25.2	30.4	0.6	0.3	38.5	23.5
Kazakhstan	897	31.8	28.1	20.9	18.9	31.7	0.1	0.4	33.2	30.6
Korea, Rep. of	358	88.1	0.8	3.6	7.4	87.8	0.0	0.4	90.5	85.7
Lithuania	768	60.5	8.1	15.8	15.5	60.4	0.2	0.0	69.4	51.6
Malaysia	1231	40.6	19.4	24.6	15.2	40.4	0.2	0.2	45.5	35.2
Malta	572	60.4	9.1	21.7	8.7	60.3	0.2	0.0	63.0	58.0
Morocco	1743	34.4	32.1	17.6	14.6	33.8	0.6	1.3	36.5	32.5
New Zealand	531	59.8	9.1	20.1	10.5	59.1	0.9	0.2	63.5	56.7
Norway (9)	886	46.0	8.8	29.3	14.8	45.1	1.0	0.9	51.9	40.9
Oman	1630	41.0	12.9	25.3	20.3	40.7	0.2	0.6	45.7	36.7
Palestinian Nat'l Auth.	1306	28.2	18.1	30.0	23.3	28.0	0.5	0.1	31.1	25.4
Portugal	757	60.0	9.8	17.0	13.1	59.8	0.3	0.0	62.6	57.5
Qatar	599	43.9	11.3	26.8	17.5	43.4	0.6	0.5	51.1	37.2
Romania	524	48.4	19.5	19.8	11.3	47.4	1.7	0.3	51.5	45.6
Saudi Arabia	1170	27.6	15.3	35.8	21.3	27.6	0.0	0.0	33.6	22.0
Singapore	401	78.2	3.2	11.4	7.1	78.2	0.0	0.0	81.9	74.8
Sweden	696	40.4	7.4	39.6	11.5	39.6	0.6	1.3	45.9	35.1
Turkiye	706	67.9	5.8	14.0	12.1	67.7	0.2	0.1	76.4	58.1
United Arab Emirates	5326	49.2	11.4	24.7	14.3	48.7	0.4	0.5	52.7	45.7
United States	1153	54.3	9.4	22.8	13.0	53.7	0.1	1.0	55.3	53.4
Uzbekistan	612	27.4	36.9	17.8	16.9	27.0	1.1	0.4	30.6	24.4
International Avg. (40)	39175	52.2	12.9	20.5	13.9	51.8	0.6	0.4	55.9	48.7
Abu Dhabi, UAE	2426	41.2	16.5	25.1	16.8	40.9	0.4	0.3	45.1	37.4
Dubai, UAE	1161	64.3	5.7	19.6	10.1	63.7	0.2	0.7	67.1	61.6
Sharjah, UAE	893	51.5	8.8	26.5	12.8	51.1	0.4	0.4	54.3	48.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_ME2_10 ME62301: Sculpture from solid cube - number of faces - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1171	34.6	33.6	63.6	33.6	63.6	2.1	0.8	23.5	43.9
Austria	645	27.6	26.0	68.3	26.0	68.3	5.6	0.1	28.7	26.3
Azerbaijan	851	9.6	8.0	75.8	8.0	75.8	15.4	0.8	9.1	10.0
Bahrain	734	9.9	9.5	86.1	9.5	86.1	3.9	0.5	10.2	9.7
Brazil	3232	7.9	7.3	84.9	7.3	84.9	6.6	1.2	5.4	10.4
Chile	632	17.1	15.2	73.8	15.2	73.8	10.0	1.0	12.3	21.6
Chinese Taipei	475	52.0	51.7	47.8	51.7	47.8	0.6	0.0	52.2	51.7
Cyprus	585	11.1	10.0	80.1	10.0	80.1	9.2	0.7	8.7	13.3
Czech Republic	1119	30.8	28.6	64.5	28.6	64.5	6.9	0.0	26.7	34.3
England	582	34.6	33.6	63.6	33.6	63.6	2.8	0.0	26.1	42.7
Finland	809	16.7	15.2	76.2	15.2	76.2	7.9	0.8	15.0	18.5
France	642	26.4	24.7	68.8	24.7	68.8	6.3	0.2	20.1	32.7
Georgia	675	13.0	10.8	72.6	10.8	72.6	16.3	0.2	9.6	16.6
Hong Kong SAR	622	46.4	45.5	52.5	45.5	52.5	1.6	0.3	39.7	53.2
Hungary	749	33.4	32.8	65.5	32.8	65.5	1.7	0.0	31.2	35.8
Ireland	729	44.4	43.9	55.1	43.9	55.1	0.7	0.3	42.2	46.3
Israel	722	17.9	16.5	75.6	16.5	75.6	7.2	0.7	17.1	18.7
Italy	638	25.3	24.5	72.1	24.5	72.1	3.4	0.0	23.5	27.3
Japan	325	54.5	54.2	45.3	54.2	45.3	0.5	0.0	52.0	56.6
Jordan	1368	1.9	1.8	95.8	1.8	95.8	2.0	0.3	1.4	2.3
Kazakhstan	897	8.0	7.4	84.6	7.4	84.6	7.6	0.4	4.5	11.0
Korea, Rep. of	358	50.9	49.9	48.1	49.9	48.1	1.6	0.4	46.3	55.7
Lithuania	768	32.4	31.0	64.8	31.0	64.8	4.2	0.0	32.0	32.7
Malaysia	1231	7.3	7.1	91.3	7.1	91.3	1.2	0.3	6.6	8.0
Malta	572	24.3	23.7	73.8	23.7	73.8	2.5	0.0	19.5	28.7
Morocco	1743	2.3	2.0	85.9	2.0	85.9	10.7	1.4	1.3	3.1
New Zealand	530	28.6	27.9	69.6	27.9	69.6	2.3	0.2	26.6	30.2
Norway (9)	887	28.8	26.2	64.7	26.2	64.7	8.3	0.9	26.4	30.9
Oman	1627	4.8	4.6	92.1	4.6	92.1	2.7	0.6	2.1	7.3
Palestinian Nat'l Auth.	1305	3.6	3.5	94.0	3.5	94.0	2.4	0.1	2.7	4.4
Portugal	757	21.9	21.0	74.7	21.0	74.7	4.4	0.0	18.4	25.3
Qatar	599	14.3	13.8	82.9	13.8	82.9	2.6	0.7	11.4	17.1
Romania	524	20.0	19.1	76.3	19.1	76.3	4.3	0.3	18.4	21.3
Saudi Arabia	1168	5.6	5.6	93.1	5.6	93.1	1.3	0.0	4.6	6.6
Singapore	401	45.3	45.1	54.4	45.1	54.4	0.5	0.0	39.2	51.1
Sweden	696	32.7	30.3	62.2	30.3	62.2	6.1	1.4	29.8	35.5
Turkiye	706	27.2	24.6	66.0	24.6	66.0	9.3	0.1	26.9	27.4
United Arab Emirates	5327	17.8	17.4	80.1	17.4	80.1	1.9	0.6	14.8	20.8
United States	1153	22.0	21.6	76.7	21.6	76.7	0.7	1.0	19.5	24.3
Uzbekistan	612	6.1	5.6	87.1	5.6	87.1	6.9	0.4	4.4	7.6
International Avg. (40)	39166	23.0	22.0	72.8	22.0	72.8	4.8	0.4	20.2	25.5
Abu Dhabi, UAE	2425	13.1	12.9	85.1	12.9	85.1	1.6	0.4	10.8	15.4
Dubai, UAE	1163	30.9	29.9	66.8	29.9	66.8	2.6	0.7	25.8	35.9
Sharjah, UAE	893	17.3	17.0	81.2	17.0	81.2	1.4	0.4	14.8	19.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_ME2_11 ME62194: Number of cubes in solid figure - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	74.6	2.4	15.1	73.6	7.5	0.5	0.9	75.4	74.0
Austria	645	85.3	1.7	6.7	85.0	6.3	0.2	0.1	84.0	86.6
Azerbaijan	852	67.8	7.6	13.5	66.3	10.5	1.0	1.2	69.0	66.8
Bahrain	733	62.4	8.2	18.9	61.7	10.0	0.6	0.6	66.0	58.8
Brazil	3232	54.4	7.7	25.2	53.2	11.7	0.6	1.5	53.8	55.0
Chile	632	62.6	3.1	22.7	60.7	10.4	2.0	1.2	60.9	64.2
Chinese Taipei	475	93.4	0.7	3.2	93.4	2.8	0.0	0.0	93.4	93.4
Cyprus	585	68.9	3.5	16.5	68.2	10.7	0.4	0.7	69.1	68.8
Czech Republic	1119	83.0	1.2	8.1	82.7	7.5	0.4	0.0	81.0	84.8
England	582	75.1	4.2	14.0	75.0	6.6	0.2	0.0	75.2	75.0
Finland	809	80.2	2.0	8.4	79.3	9.0	0.4	0.8	80.2	80.3
France	642	74.6	3.1	13.5	73.9	8.7	0.5	0.4	74.5	74.7
Georgia	676	64.7	7.6	20.1	64.2	7.4	0.5	0.3	67.9	61.4
Hong Kong SAR	623	84.7	0.9	6.7	84.1	7.5	0.3	0.4	81.9	87.6
Hungary	749	77.5	2.3	11.6	77.4	8.6	0.0	0.1	76.1	79.1
Ireland	729	77.9	2.8	12.6	77.5	6.6	0.3	0.3	74.6	80.8
Israel	722	70.5	4.5	14.3	69.4	10.2	0.9	0.7	72.8	68.1
Italy	638	71.3	4.4	14.2	70.7	9.8	0.7	0.1	73.3	69.2
Japan	325	90.7	0.8	3.5	90.1	4.9	0.6	0.0	93.0	88.7
Jordan	1369	52.2	12.2	22.2	51.7	12.8	0.6	0.3	50.6	53.8
Kazakhstan	897	65.4	8.2	17.6	64.8	8.3	0.2	0.8	66.2	64.8
Korea, Rep. of	358	89.1	1.1	4.2	88.4	5.5	0.4	0.4	90.7	87.6
Lithuania	768	81.6	1.1	10.1	81.3	7.1	0.4	0.0	82.6	80.5
Malaysia	1231	60.6	7.4	24.4	60.4	7.4	0.0	0.5	61.3	59.9
Malta	572	69.7	3.9	17.2	69.7	9.3	0.0	0.0	67.3	71.7
Morocco	1743	53.1	9.6	20.2	51.9	16.0	0.5	1.7	52.1	54.1
New Zealand	531	74.5	3.5	12.8	74.2	9.1	0.2	0.2	75.2	73.9
Norway (9)	887	79.5	2.4	8.8	77.2	8.7	1.5	1.4	80.6	78.8
Oman	1630	56.2	9.4	23.0	55.3	10.9	0.8	0.7	56.0	56.3
Palestinian Nat'l Auth.	1306	47.2	13.8	22.9	46.9	15.8	0.5	0.2	44.7	49.6
Portugal	757	74.0	2.6	13.6	73.7	9.7	0.3	0.2	74.2	73.9
Qatar	599	60.7	8.0	19.2	59.6	11.4	0.9	0.9	59.5	61.8
Romania	524	75.4	3.7	11.8	74.6	8.8	0.8	0.3	74.9	75.8
Saudi Arabia	1170	56.0	9.6	23.4	55.8	10.8	0.5	0.0	56.8	55.4
Singapore	401	90.2	0.8	2.7	89.9	6.3	0.3	0.0	90.6	89.7
Sweden	696	81.3	1.8	9.1	79.1	7.2	1.1	1.6	83.0	79.7
Turkiye	706	74.2	5.3	12.0	73.3	8.3	0.8	0.3	73.4	75.1
United Arab Emirates	5327	65.7	6.8	18.1	64.8	9.1	0.6	0.6	65.8	65.5
United States	1153	71.9	3.9	16.0	71.2	7.9	0.0	1.0	72.0	71.7
Uzbekistan	612	63.6	7.5	13.3	62.8	15.1	1.0	0.4	61.9	65.2
International Avg. (40)	39177	71.6	4.8	14.3	70.8	9.1	0.5	0.5	71.5	71.5
Abu Dhabi, UAE	2426	60.4	8.9	19.9	59.9	10.5	0.3	0.5	60.6	60.1
Dubai, UAE	1162	75.8	3.6	12.6	74.6	7.6	0.7	0.9	75.7	75.9
Sharjah, UAE	893	68.8	5.6	17.7	67.9	7.4	0.9	0.4	66.9	70.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_ME2_13 ME62320: Fishing histogram - proportion of fish released - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	44.6	6.4	24.4	23.6	43.8	0.4	1.4	38.5	49.9
Austria	645	39.1	7.0	27.4	25.7	38.6	0.6	0.7	38.3	40.0
Azerbaijan	852	31.2	12.1	32.4	19.6	29.1	4.8	2.0	27.5	34.5
Bahrain	734	24.8	9.9	38.8	25.6	24.4	0.6	0.7	22.9	26.7
Brazil	3232	11.5	13.3	58.0	13.3	11.0	1.8	2.6	8.5	14.6
Chile	632	13.6	12.6	49.3	18.5	12.6	4.8	2.2	10.6	16.3
Chinese Taipei	475	73.6	3.4	11.2	11.7	73.6	0.0	0.0	75.9	71.4
Cyprus	585	38.1	8.0	29.8	22.8	37.3	1.0	1.1	37.5	38.8
Czech Republic	1119	40.2	8.5	29.2	21.2	39.5	1.5	0.1	34.1	45.7
England	582	50.8	5.8	23.6	19.1	50.0	1.3	0.2	44.0	57.3
Finland	809	43.6	7.4	26.3	21.2	42.4	1.5	1.3	40.0	47.6
France	642	29.0	7.5	39.2	22.2	28.1	1.6	1.4	24.3	33.7
Georgia	676	24.6	10.5	40.8	20.0	23.2	3.8	1.7	23.9	25.2
Hong Kong SAR	623	64.2	4.8	16.7	13.9	63.8	0.3	0.4	63.3	65.2
Hungary	749	36.3	8.4	31.5	23.4	36.0	0.6	0.1	29.4	43.8
Ireland	729	58.7	3.9	19.9	17.2	58.3	0.4	0.3	55.6	61.4
Israel	722	40.1	7.9	31.0	18.9	38.7	2.2	1.3	37.7	42.6
Italy	638	33.3	7.0	37.8	21.0	32.8	1.1	0.3	31.5	35.2
Japan	325	75.2	1.4	12.0	11.4	75.0	0.2	0.0	68.6	81.0
Jordan	1369	13.9	13.2	52.1	18.8	13.6	1.8	0.6	15.9	12.1
Kazakhstan	897	23.4	15.5	37.8	20.8	22.6	1.0	2.3	23.7	23.2
Korea, Rep. of	358	72.5	4.1	10.9	12.3	71.9	0.0	0.8	72.2	72.7
Lithuania	768	41.4	7.6	29.9	20.3	40.8	1.3	0.1	36.3	46.4
Malaysia	1231	15.1	14.3	46.7	23.3	15.0	0.2	0.5	15.8	14.4
Malta	572	42.2	7.3	32.3	17.6	41.8	0.7	0.2	35.7	48.0
Morocco	1743	10.0	9.3	59.1	17.4	9.5	2.2	2.5	10.1	9.8
New Zealand	531	38.2	7.7	32.2	21.2	37.8	0.5	0.7	38.1	38.3
Norway (9)	887	48.2	7.4	25.1	17.5	46.6	1.7	1.7	49.9	46.8
Oman	1630	23.3	10.6	41.9	22.6	22.9	0.9	1.2	22.3	24.3
Palestinian Nat'l Auth.	1306	10.8	14.5	46.6	26.0	10.6	1.5	0.7	11.3	10.3
Portugal	757	22.8	10.7	43.5	21.8	22.4	0.9	0.8	19.5	25.8
Qatar	599	24.1	10.5	41.7	21.4	23.4	1.4	1.5	25.3	23.0
Romania	524	36.2	10.5	31.1	20.2	35.1	2.1	0.9	34.2	37.8
Saudi Arabia	1170	19.9	13.2	39.9	26.8	19.8	0.2	0.1	21.7	18.1
Singapore	401	75.0	3.7	15.0	6.3	74.8	0.3	0.0	73.5	76.3
Sweden	696	55.6	7.5	16.9	18.1	53.3	1.3	2.7	56.7	54.6
Turkiye	706	52.4	9.0	20.4	17.1	51.1	1.8	0.6	53.5	51.1
United Arab Emirates	5328	34.2	12.2	34.0	18.1	33.4	1.1	1.2	31.2	37.1
United States	1153	34.0	9.5	32.2	23.0	33.4	0.3	1.6	29.1	38.4
Uzbekistan	612	18.2	16.8	39.4	22.8	17.5	1.9	1.6	14.4	21.5
International Avg. (40)	39179	37.1	9.0	32.7	19.6	36.4	1.3	1.0	35.1	39.0
Abu Dhabi, UAE	2426	26.8	14.3	38.4	19.4	26.3	0.8	0.8	23.7	29.7
Dubai, UAE	1163	52.0	8.7	22.5	15.1	50.3	1.7	1.6	48.9	55.2
Sharjah, UAE	893	35.1	11.2	33.3	19.0	34.3	0.8	1.3	32.2	37.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Reasoning

B_ME2_14 ME62296: Draw a spinner given chance of outcomes - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1172	76.6	74.8	22.8	74.8	22.8	1.0	1.4	77.4	75.9
Austria	645	58.5	57.8	41.0	57.8	41.0	0.6	0.7	58.2	58.9
Azerbaijan	852	35.1	30.6	56.7	30.6	56.7	10.0	2.7	36.0	34.3
Bahrain	734	31.8	31.0	66.4	31.0	66.4	1.7	0.9	36.6	27.0
Brazil	3232	24.0	22.7	71.7	22.7	71.7	2.6	3.0	21.3	26.8
Chile	632	37.8	35.3	58.2	35.3	58.2	3.7	2.8	38.6	37.1
Chinese Taipei	475	74.5	74.4	25.4	74.4	25.4	0.2	0.0	76.9	72.1
Cyprus	585	59.6	58.6	39.7	58.6	39.7	0.6	1.1	59.6	59.6
Czech Republic	1118	55.8	54.2	42.8	54.2	42.8	2.7	0.2	52.4	58.9
England	582	68.7	67.1	30.5	67.1	30.5	1.7	0.7	63.3	73.9
Finland	809	61.0	58.9	37.7	58.9	37.7	2.0	1.4	63.3	58.5
France	642	57.3	55.3	41.2	55.3	41.2	1.9	1.6	56.2	58.4
Georgia	676	26.6	24.7	68.2	24.7	68.2	5.0	2.1	22.7	30.5
Hong Kong SAR	622	72.0	70.9	27.5	70.9	27.5	1.1	0.4	72.0	72.0
Hungary	749	58.9	58.3	40.7	58.3	40.7	0.9	0.1	55.3	62.8
Ireland	729	72.4	71.8	27.3	71.8	27.3	0.5	0.4	73.3	71.7
Israel	722	46.4	44.5	51.4	44.5	51.4	1.9	2.2	43.5	49.4
Italy	638	67.0	65.7	32.4	65.7	32.4	1.6	0.3	70.5	63.2
Japan	325	79.4	79.2	20.6	79.2	20.6	0.2	0.0	75.9	82.4
Jordan	1369	17.8	17.5	81.0	17.5	81.0	0.5	0.9	15.4	20.0
Kazakhstan	897	22.9	21.6	72.6	21.6	72.6	3.5	2.4	20.3	25.2
Korea, Rep. of	358	79.6	78.2	20.1	78.2	20.1	0.9	0.8	79.0	80.1
Lithuania	768	49.3	48.3	49.7	48.3	49.7	1.9	0.1	42.9	55.7
Malaysia	1231	26.5	26.3	73.0	26.3	73.0	0.2	0.5	24.4	28.8
Malta	572	57.6	57.0	42.0	57.0	42.0	0.5	0.5	53.3	61.4
Morocco	1743	10.4	9.8	84.0	9.8	84.0	3.4	2.8	10.6	10.3
New Zealand	531	61.8	60.2	37.2	60.2	37.2	1.7	0.9	59.3	63.8
Norway (9)	887	60.2	56.9	37.6	56.9	37.6	3.6	1.8	63.5	57.5
Oman	1630	31.6	30.9	67.0	30.9	67.0	0.8	1.4	32.4	30.8
Palestinian Nat'l Auth.	1306	19.1	18.7	79.3	18.7	79.3	1.3	0.7	18.1	20.0
Portugal	757	54.6	53.3	44.3	53.3	44.3	1.6	0.8	51.4	57.7
Qatar	599	42.1	40.6	55.9	40.6	55.9	1.6	1.9	43.1	41.2
Romania	524	41.2	39.3	56.0	39.3	56.0	3.3	1.4	42.2	40.4
Saudi Arabia	1170	14.6	14.4	84.7	14.4	84.7	0.8	0.1	16.4	12.9
Singapore	401	81.1	81.1	18.9	81.1	18.9	0.0	0.0	80.0	82.0
Sweden	696	67.4	64.4	31.2	64.4	31.2	1.7	2.8	70.6	64.1
Turkiye	706	64.0	62.7	35.2	62.7	35.2	1.3	0.7	64.4	63.6
United Arab Emirates	5328	47.2	46.0	51.5	46.0	51.5	1.1	1.4	45.1	49.2
United States	1150	57.7	56.5	41.4	56.5	41.4	0.5	1.6	57.6	57.9
Uzbekistan	612	15.2	14.2	78.9	14.2	78.9	5.4	1.6	14.7	15.7
International Avg. (40)	39174	49.6	48.3	48.6	48.3	48.6	1.9	1.2	48.9	50.3
Abu Dhabi, UAE	2426	39.5	38.8	59.5	38.8	59.5	0.8	0.9	37.6	41.3
Dubai, UAE	1163	68.8	66.7	30.3	66.7	30.3	1.2	1.9	66.1	71.4
Sharjah, UAE	893	47.6	45.9	50.6	45.9	50.6	2.0	1.5	46.5	48.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_ME3_01 ME82104: Order planets by temperature - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	90.4	90.4	9.6	90.4	9.6	0.1	0.0	86.9	94.0
Austria	650	94.0	94.0	6.0	94.0	6.0	0.0	0.0	92.7	95.2
Azerbaijan	877	72.6	71.8	27.2	71.8	27.2	1.0	0.0	64.2	80.7
Bahrain	719	61.5	61.4	38.4	61.4	38.4	0.3	0.0	57.2	65.8
Brazil	3170	62.1	62.0	37.8	62.0	37.8	0.2	0.0	53.9	71.0
Chile	632	82.1	82.1	17.9	82.1	17.9	0.0	0.0	77.8	86.1
Chinese Taipei	474	93.6	93.6	6.4	93.6	6.4	0.0	0.0	92.0	95.2
Cyprus	580	86.0	86.0	14.0	86.0	14.0	0.0	0.0	87.0	85.0
Czech Republic	1139	97.0	97.0	3.0	97.0	3.0	0.0	0.0	95.1	98.8
England	604	92.4	92.4	7.6	92.4	7.6	0.0	0.0	90.2	94.7
Finland	801	95.4	95.4	4.6	95.4	4.6	0.0	0.0	96.2	94.7
France	632	88.9	88.9	11.1	88.9	11.1	0.0	0.0	85.7	91.7
Georgia	677	79.0	79.0	21.0	79.0	21.0	0.0	0.0	75.9	82.1
Hong Kong SAR	639	89.8	89.6	10.2	89.6	10.2	0.3	0.0	90.2	89.4
Hungary	758	93.6	93.6	6.4	93.6	6.4	0.0	0.0	92.0	95.3
Ireland	723	92.6	92.6	7.4	92.6	7.4	0.0	0.0	88.6	96.3
Israel	726	80.5	80.5	19.5	80.5	19.5	0.0	0.0	79.2	81.8
Italy	639	91.9	91.9	8.1	91.9	8.1	0.0	0.0	89.1	94.3
Japan	334	96.3	96.3	3.7	96.3	3.7	0.0	0.0	94.2	98.4
Jordan	1398	55.7	55.7	44.3	55.7	44.3	0.0	0.0	51.4	59.8
Kazakhstan	892	80.9	80.9	19.1	80.9	19.1	0.0	0.0	75.6	85.1
Korea, Rep. of	366	91.9	91.9	8.1	91.9	8.1	0.0	0.0	89.7	93.8
Lithuania	750	92.5	92.5	7.5	92.5	7.5	0.0	0.0	91.3	93.7
Malaysia	1229	58.2	58.2	41.8	58.2	41.8	0.0	0.0	53.3	63.8
Malta	553	87.4	87.4	12.6	87.4	12.6	0.0	0.0	87.3	87.6
Morocco	1732	42.9	42.8	56.9	42.8	56.9	0.3	0.0	39.2	46.9
New Zealand	552	83.7	83.7	16.3	83.7	16.3	0.0	0.0	80.9	85.9
Norway (9)	888	94.6	94.6	5.4	94.6	5.4	0.0	0.0	94.5	94.6
Oman	1647	48.6	48.4	51.3	48.4	51.3	0.3	0.0	47.9	49.2
Palestinian Nat'l Auth.	1302	44.9	44.8	54.9	44.8	54.9	0.4	0.0	42.6	47.3
Portugal	756	92.1	92.1	7.9	92.1	7.9	0.0	0.0	88.9	95.3
Qatar	599	71.6	71.4	28.4	71.4	28.4	0.3	0.0	64.4	77.6
Romania	516	86.3	85.7	13.6	85.7	13.6	0.7	0.0	87.4	85.1
Saudi Arabia	1165	46.4	46.4	53.5	46.4	53.5	0.1	0.0	39.1	53.2
Singapore	408	93.5	93.5	6.5	93.5	6.5	0.0	0.0	91.3	95.3
Sweden	712	93.9	93.9	6.1	93.9	6.1	0.0	0.0	94.7	93.3
Turkiye	702	87.0	87.0	13.0	87.0	13.0	0.0	0.0	85.6	88.7
United Arab Emirates	5316	76.8	76.8	23.1	76.8	23.1	0.0	0.0	71.6	82.1
United States	1157	83.0	83.0	17.0	83.0	17.0	0.1	0.0	77.2	88.8
Uzbekistan	607	61.8	61.3	38.0	61.3	38.0	0.7	0.0	53.8	70.5
International Avg. (40)	39215	80.3	80.3	19.6	80.3	19.6	0.1	0.0	77.4	83.2
Abu Dhabi, UAE	2409	73.1	73.0	26.9	73.0	26.9	0.1	0.0	68.3	77.9
Dubai, UAE	1152	88.1	88.1	11.9	88.1	11.9	0.0	0.0	84.5	91.7
Sharjah, UAE	899	78.2	78.2	21.8	78.2	21.8	0.0	0.0	73.2	83.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_ME3_02 ME82109: Six hundred thirty-two thousand in digits - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	77.3	77.2	22.7	77.2	22.7	0.1	0.0	73.9	80.7
Austria	650	85.9	85.6	14.1	85.6	14.1	0.3	0.0	87.2	84.6
Azerbaijan	877	78.6	77.0	20.9	77.0	20.9	2.1	0.0	76.2	81.0
Bahrain	714	46.8	45.9	52.3	45.9	52.3	1.8	0.0	44.3	49.2
Brazil	3168	47.9	46.5	50.5	46.5	50.5	3.1	0.0	44.6	51.5
Chile	631	52.2	50.7	46.5	50.7	46.5	2.8	0.0	51.5	52.8
Chinese Taipei	474	95.9	95.9	4.1	95.9	4.1	0.0	0.0	96.3	95.4
Cyprus	580	67.1	66.2	32.5	66.2	32.5	1.3	0.0	60.9	73.7
Czech Republic	1139	88.5	88.3	11.4	88.3	11.4	0.2	0.0	90.2	87.0
England	604	81.4	81.4	18.6	81.4	18.6	0.0	0.0	77.6	85.4
Finland	801	69.5	69.1	30.3	69.1	30.3	0.6	0.0	66.6	72.4
France	632	85.6	85.4	14.4	85.4	14.4	0.2	0.0	85.9	85.3
Georgia	677	73.1	72.5	26.7	72.5	26.7	0.9	0.0	75.3	70.9
Hong Kong SAR	639	85.1	84.8	14.9	84.8	14.9	0.3	0.0	82.0	88.0
Hungary	758	73.0	72.7	27.0	72.7	27.0	0.3	0.0	71.7	74.3
Ireland	723	82.7	82.7	17.2	82.7	17.2	0.1	0.0	77.4	87.6
Israel	726	78.9	78.2	20.9	78.2	20.9	0.9	0.0	81.7	76.2
Italy	639	88.9	88.9	11.1	88.9	11.1	0.0	0.0	87.8	89.9
Japan	334	91.2	91.2	8.8	91.2	8.8	0.0	0.0	88.9	93.6
Jordan	1398	45.7	45.1	53.6	45.1	53.6	1.3	0.0	46.1	45.4
Kazakhstan	892	74.6	74.4	25.3	74.4	25.3	0.3	0.0	72.4	76.4
Korea, Rep. of	366	83.2	83.2	16.8	83.2	16.8	0.0	0.0	81.9	84.3
Lithuania	750	78.3	78.0	21.7	78.0	21.7	0.3	0.0	79.3	77.3
Malaysia	1229	54.2	54.1	45.6	54.1	45.6	0.3	0.0	55.9	52.3
Malta	553	82.3	82.1	17.7	82.1	17.7	0.2	0.0	83.4	81.1
Morocco	1731	29.7	27.4	64.7	27.4	64.7	7.9	0.0	29.0	30.5
New Zealand	552	76.9	76.9	23.0	76.9	23.0	0.1	0.0	71.4	81.2
Norway (9)	888	79.4	78.7	20.4	78.7	20.4	1.0	0.0	76.6	82.0
Oman	1643	39.1	38.6	60.1	38.6	60.1	1.3	0.0	42.8	35.5
Palestinian Nat'l Auth.	1300	39.8	39.5	59.7	39.5	59.7	0.8	0.0	41.6	38.1
Portugal	756	68.7	67.0	30.6	67.0	30.6	2.4	0.0	64.1	73.1
Qatar	599	63.8	63.1	35.9	63.1	35.9	1.0	0.0	60.3	66.7
Romania	516	70.4	70.0	29.5	70.0	29.5	0.5	0.0	67.8	73.0
Saudi Arabia	1152	45.7	45.6	54.0	45.6	54.0	0.4	0.0	41.5	49.7
Singapore	408	93.1	93.1	6.9	93.1	6.9	0.0	0.0	95.4	91.4
Sweden	712	68.8	68.8	31.2	68.8	31.2	0.0	0.0	69.2	68.4
Turkiye	701	84.3	83.7	15.5	83.7	15.5	0.8	0.0	85.2	83.3
United Arab Emirates	5314	70.0	69.6	29.9	69.6	29.9	0.5	0.0	67.5	72.4
United States	1155	72.7	72.5	27.3	72.5	27.3	0.2	0.0	70.0	75.5
Uzbekistan	607	60.3	60.2	39.6	60.2	39.6	0.2	0.0	62.1	58.4
International Avg. (40)	39182	70.8	70.3	28.8	70.3	28.8	0.9	0.0	69.6	71.9
Abu Dhabi, UAE	2407	61.0	60.6	38.7	60.6	38.7	0.7	0.0	59.4	62.6
Dubai, UAE	1152	82.6	82.2	17.3	82.2	17.3	0.6	0.0	78.4	86.6
Sharjah, UAE	899	74.0	73.8	25.9	73.8	25.9	0.3	0.0	72.3	75.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_ME3_03 ME82702: Graph the line for bank account balance (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	89.5	88.4	10.4	88.4	10.4	1.2	0.1	89.1	89.9
Austria	650	88.0	86.7	11.8	86.7	11.8	1.5	0.0	88.4	87.6
Azerbaijan	877	68.6	62.7	28.6	62.7	28.6	8.7	0.0	69.0	68.3
Bahrain	719	69.2	68.4	30.5	68.4	30.5	1.2	0.0	70.8	67.6
Brazil	3170	60.6	58.3	37.8	58.3	37.8	3.7	0.1	56.6	64.9
Chile	632	78.7	76.9	20.8	76.9	20.8	2.1	0.1	76.9	80.4
Chinese Taipei	474	95.4	95.1	4.6	95.1	4.6	0.3	0.0	95.8	95.0
Cyprus	580	85.7	82.3	13.8	82.3	13.8	3.6	0.3	86.2	85.2
Czech Republic	1139	88.4	88.1	11.6	88.1	11.6	0.3	0.0	86.7	89.9
England	604	90.5	89.5	9.4	89.5	9.4	1.1	0.0	87.3	93.8
Finland	801	91.4	90.0	8.5	90.0	8.5	1.5	0.0	90.3	92.4
France	632	87.3	85.8	12.5	85.8	12.5	1.7	0.0	87.6	87.1
Georgia	677	70.6	68.2	28.4	68.2	28.4	3.4	0.0	69.5	71.7
Hong Kong SAR	639	92.7	90.1	7.0	90.1	7.0	2.9	0.0	94.7	90.9
Hungary	758	84.4	83.7	15.4	83.7	15.4	0.8	0.0	84.5	84.3
Ireland	723	92.8	92.5	7.1	92.5	7.1	0.4	0.0	93.1	92.6
Israel	726	82.3	81.5	17.6	81.5	17.6	0.9	0.0	82.5	82.0
Italy	639	89.0	88.1	10.9	88.1	10.9	1.0	0.0	83.7	93.6
Japan	334	93.8	91.9	6.1	91.9	6.1	2.0	0.0	97.6	90.1
Jordan	1398	43.6	42.5	54.9	42.5	54.9	2.6	0.0	43.2	44.0
Kazakhstan	892	77.0	76.1	22.8	76.1	22.8	1.2	0.0	75.8	77.9
Korea, Rep. of	366	92.6	92.3	7.4	92.3	7.4	0.3	0.0	93.9	91.5
Lithuania	750	92.4	91.2	7.5	91.2	7.5	1.3	0.0	91.7	93.1
Malaysia	1229	75.6	75.5	24.3	75.5	24.3	0.2	0.0	78.0	73.0
Malta	553	89.5	88.5	10.3	88.5	10.3	1.2	0.0	87.0	92.1
Morocco	1732	56.8	55.1	41.9	55.1	41.9	3.0	0.0	53.6	60.1
New Zealand	552	86.8	85.9	13.0	85.9	13.0	1.1	0.0	84.4	88.8
Norway (9)	888	90.7	88.5	9.0	88.5	9.0	2.5	0.0	89.4	92.0
Oman	1647	69.0	68.4	30.7	68.4	30.7	0.9	0.0	71.7	66.4
Palestinian Nat'l Auth.	1302	43.9	43.5	55.5	43.5	55.5	1.1	0.0	45.5	42.4
Portugal	756	86.1	85.6	13.9	85.6	13.9	0.5	0.0	84.7	87.4
Qatar	599	77.9	76.3	21.6	76.3	21.6	2.2	0.0	75.3	80.2
Romania	515	72.5	69.5	26.4	69.5	26.4	4.1	0.0	70.2	74.8
Saudi Arabia	1165	59.7	59.4	40.0	59.4	40.0	0.6	0.0	59.6	59.9
Singapore	408	95.0	95.0	5.0	95.0	5.0	0.0	0.0	94.7	95.2
Sweden	712	91.1	89.5	8.8	89.5	8.8	1.8	0.0	90.2	91.8
Turkiye	702	86.9	86.5	13.0	86.5	13.0	0.5	0.0	88.9	84.5
United Arab Emirates	5316	81.0	80.4	18.8	80.4	18.8	0.8	0.0	81.1	80.9
United States	1157	86.9	86.3	13.0	86.3	13.0	0.7	0.0	86.1	87.6
Uzbekistan	607	52.5	51.0	46.2	51.0	46.2	2.8	0.0	50.4	54.7
International Avg. (40)	39214	80.2	78.9	19.4	78.9	19.4	1.7	0.0	79.6	80.6
Abu Dhabi, UAE	2409	76.9	76.0	22.8	76.0	22.8	1.2	0.0	78.5	75.3
Dubai, UAE	1152	90.6	90.1	9.3	90.1	9.3	0.6	0.0	88.6	92.5
Sharjah, UAE	899	79.8	79.2	20.1	79.2	20.1	0.7	0.1	80.1	79.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_ME3_03A ME82702A: Graph the line for bank account balance - March - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	92.7	91.5	7.2	91.5	7.2	1.2	0.1	91.7	93.6
Austria	650	91.6	90.2	8.3	90.2	8.3	1.5	0.0	92.3	90.8
Azerbaijan	877	77.4	70.7	20.6	70.7	20.6	8.7	0.0	78.4	76.5
Bahrain	719	80.1	79.2	19.7	79.2	19.7	1.2	0.0	82.3	78.0
Brazil	3170	71.6	68.9	27.3	68.9	27.3	3.7	0.1	69.4	74.0
Chile	632	87.7	85.7	12.0	85.7	12.0	2.1	0.1	86.8	88.5
Chinese Taipei	474	98.6	98.3	1.4	98.3	1.4	0.3	0.0	98.3	98.8
Cyprus	580	90.2	86.7	9.4	86.7	9.4	3.6	0.3	91.5	88.8
Czech Republic	1139	90.8	90.5	9.2	90.5	9.2	0.3	0.0	89.6	91.9
England	604	95.2	94.2	4.7	94.2	4.7	1.1	0.0	94.6	95.9
Finland	801	93.6	92.1	6.3	92.1	6.3	1.5	0.0	93.3	93.9
France	632	90.7	89.2	9.2	89.2	9.2	1.7	0.0	90.8	90.5
Georgia	677	77.8	75.2	21.4	75.2	21.4	3.4	0.0	80.1	75.5
Hong Kong SAR	639	96.2	93.4	3.7	93.4	3.7	2.9	0.0	97.8	94.6
Hungary	758	88.9	88.2	11.0	88.2	11.0	0.8	0.0	89.4	88.5
Ireland	723	95.4	95.1	4.5	95.1	4.5	0.4	0.0	95.8	95.2
Israel	726	86.2	85.5	13.7	85.5	13.7	0.9	0.0	86.7	85.8
Italy	639	93.3	92.4	6.6	92.4	6.6	1.0	0.0	90.2	96.1
Japan	334	97.4	95.4	2.6	95.4	2.6	2.0	0.0	99.4	95.4
Jordan	1398	55.0	53.6	43.8	53.6	43.8	2.6	0.0	55.7	54.5
Kazakhstan	892	83.9	82.9	15.9	82.9	15.9	1.2	0.0	83.4	84.3
Korea, Rep. of	366	96.9	96.6	3.1	96.6	3.1	0.3	0.0	98.9	95.1
Lithuania	750	95.7	94.5	4.2	94.5	4.2	1.3	0.0	96.8	94.7
Malaysia	1229	83.1	82.9	16.9	82.9	16.9	0.2	0.0	84.8	81.1
Malta	553	93.8	92.7	6.1	92.7	6.1	1.2	0.0	93.8	93.9
Morocco	1732	68.4	66.4	30.6	66.4	30.6	3.0	0.0	65.5	71.4
New Zealand	552	91.2	90.2	8.7	90.2	8.7	1.1	0.0	90.6	91.7
Norway (9)	888	94.1	91.8	5.7	91.8	5.7	2.5	0.0	94.5	93.8
Oman	1647	82.3	81.6	17.5	81.6	17.5	0.9	0.0	85.8	79.0
Palestinian Nat'l Auth.	1302	56.8	56.2	42.8	56.2	42.8	1.1	0.0	60.0	53.5
Portugal	756	89.3	88.9	10.6	88.9	10.6	0.5	0.0	89.3	89.3
Qatar	599	83.6	81.8	16.1	81.8	16.1	2.2	0.0	83.1	84.0
Romania	515	80.5	77.2	18.7	77.2	18.7	4.1	0.0	81.4	79.5
Saudi Arabia	1165	70.0	69.6	29.8	69.6	29.8	0.6	0.0	71.1	68.9
Singapore	408	97.9	97.9	2.1	97.9	2.1	0.0	0.0	97.9	97.8
Sweden	712	94.8	93.1	5.1	93.1	5.1	1.8	0.0	95.7	94.0
Turkiye	702	92.6	92.1	7.4	92.1	7.4	0.5	0.0	95.1	89.5
United Arab Emirates	5316	87.6	86.9	12.3	86.9	12.3	0.8	0.0	88.2	87.0
United States	1157	91.2	90.6	8.8	90.6	8.8	0.7	0.0	90.7	91.6
Uzbekistan	607	62.0	60.2	37.0	60.2	37.0	2.8	0.0	59.4	64.7
International Avg. (40)	39214	86.2	84.7	13.6	84.7	13.6	1.7	0.0	86.5	85.8
Abu Dhabi, UAE	2409	85.0	83.9	14.8	83.9	14.8	1.2	0.0	86.5	83.4
Dubai, UAE	1152	94.5	93.9	5.5	93.9	5.5	0.6	0.0	94.0	94.9
Sharjah, UAE	899	86.0	85.4	13.9	85.4	13.9	0.7	0.1	86.9	85.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_ME3_03B ME82702B: Graph the line for bank account balance - April - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	94.3	93.1	5.6	93.1	5.6	1.2	0.1	93.0	95.5
Austria	650	92.6	91.2	7.3	91.2	7.3	1.5	0.0	93.0	92.3
Azerbaijan	877	76.8	70.1	21.2	70.1	21.2	8.7	0.0	79.2	74.6
Bahrain	719	79.6	78.6	20.2	78.6	20.2	1.2	0.0	82.6	76.6
Brazil	3170	71.5	68.7	27.4	68.7	27.4	3.7	0.1	70.5	72.5
Chile	632	86.2	84.2	13.5	84.2	13.5	2.1	0.1	86.2	86.1
Chinese Taipei	474	99.6	99.4	0.4	99.4	0.4	0.3	0.0	99.5	99.8
Cyprus	580	89.0	85.5	10.6	85.5	10.6	3.6	0.3	89.4	88.6
Czech Republic	1139	92.9	92.6	7.1	92.6	7.1	0.3	0.0	91.9	93.8
England	604	95.0	94.0	5.0	94.0	5.0	1.1	0.0	93.9	96.1
Finland	801	94.5	93.0	5.5	93.0	5.5	1.5	0.0	95.1	93.8
France	632	90.9	89.4	9.0	89.4	9.0	1.7	0.0	91.0	90.8
Georgia	677	79.4	76.7	19.9	76.7	19.9	3.4	0.0	81.6	77.2
Hong Kong SAR	639	98.2	95.3	1.8	95.3	1.8	2.9	0.0	99.0	97.3
Hungary	758	90.6	89.8	9.3	89.8	9.3	0.8	0.0	91.4	89.7
Ireland	723	95.9	95.6	4.0	95.6	4.0	0.4	0.0	95.8	96.1
Israel	726	88.1	87.3	11.8	87.3	11.8	0.9	0.0	89.7	86.5
Italy	639	94.5	93.6	5.4	93.6	5.4	1.0	0.0	92.6	96.2
Japan	334	99.2	97.2	0.7	97.2	0.7	2.0	0.0	99.4	99.1
Jordan	1398	55.6	54.1	43.3	54.1	43.3	2.6	0.0	57.5	53.7
Kazakhstan	892	83.0	82.0	16.8	82.0	16.8	1.2	0.0	80.7	84.8
Korea, Rep. of	366	97.1	96.7	2.9	96.7	2.9	0.3	0.0	98.0	96.3
Lithuania	750	97.5	96.2	2.5	96.2	2.5	1.3	0.0	97.9	97.2
Malaysia	1229	85.2	85.0	14.8	85.0	14.8	0.2	0.0	87.7	82.4
Malta	553	93.9	92.7	6.1	92.7	6.1	1.2	0.0	92.6	95.1
Morocco	1732	67.9	65.8	31.2	65.8	31.2	3.0	0.0	65.7	70.1
New Zealand	552	92.3	91.3	7.7	91.3	7.7	1.1	0.0	89.7	94.3
Norway (9)	888	94.7	92.3	5.2	92.3	5.2	2.5	0.0	94.2	95.2
Oman	1647	81.3	80.6	18.6	80.6	18.6	0.9	0.0	85.1	77.6
Palestinian Nat'l Auth.	1302	57.7	57.1	41.8	57.1	41.8	1.1	0.0	62.9	52.6
Portugal	756	90.6	90.1	9.4	90.1	9.4	0.5	0.0	89.1	92.0
Qatar	599	84.5	82.7	15.2	82.7	15.2	2.2	0.0	82.1	86.6
Romania	515	84.5	81.0	14.9	81.0	14.9	4.1	0.0	86.3	82.6
Saudi Arabia	1165	69.9	69.4	30.0	69.4	30.0	0.6	0.0	71.2	68.7
Singapore	408	98.6	98.6	1.4	98.6	1.4	0.0	0.0	98.9	98.3
Sweden	712	96.4	94.7	3.5	94.7	3.5	1.8	0.0	97.5	95.5
Turkiye	702	92.4	91.9	7.6	91.9	7.6	0.5	0.0	95.1	89.2
United Arab Emirates	5316	87.7	87.0	12.2	87.0	12.2	0.8	0.0	88.4	86.9
United States	1157	92.6	92.0	7.3	92.0	7.3	0.7	0.0	92.2	93.0
Uzbekistan	607	64.2	62.4	34.8	62.4	34.8	2.8	0.0	62.9	65.6
International Avg. (40)	39214	86.9	85.5	12.8	85.5	12.8	1.7	0.0	87.3	86.5
Abu Dhabi, UAE	2409	84.2	83.2	15.6	83.2	15.6	1.2	0.0	86.4	82.0
Dubai, UAE	1152	95.2	94.7	4.8	94.7	4.8	0.6	0.0	94.4	95.9
Sharjah, UAE	899	86.8	86.1	13.1	86.1	13.1	0.7	0.1	86.7	86.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_ME3_03C ME82702C: Graph the line for bank account balance - May - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	92.5	91.3	7.4	91.3	7.4	1.2	0.1	91.3	93.6
Austria	650	91.3	89.9	8.5	89.9	8.5	1.5	0.0	92.0	90.7
Azerbaijan	877	71.8	65.6	25.7	65.6	25.7	8.7	0.0	73.1	70.7
Bahrain	719	75.3	74.4	24.4	74.4	24.4	1.2	0.0	78.3	72.3
Brazil	3170	65.9	63.3	32.8	63.3	32.8	3.7	0.1	62.2	69.7
Chile	632	81.9	80.1	17.7	80.1	17.7	2.1	0.1	80.8	82.9
Chinese Taipei	474	96.8	96.5	3.2	96.5	3.2	0.3	0.0	97.4	96.2
Cyprus	580	87.7	84.2	11.9	84.2	11.9	3.6	0.3	87.5	87.8
Czech Republic	1139	91.7	91.4	8.3	91.4	8.3	0.3	0.0	91.0	92.3
England	604	92.9	91.9	7.0	91.9	7.0	1.1	0.0	90.6	95.4
Finland	801	93.3	91.9	6.6	91.9	6.6	1.5	0.0	92.9	93.7
France	632	89.5	88.0	10.3	88.0	10.3	1.7	0.0	89.9	89.1
Georgia	677	75.2	72.6	24.0	72.6	24.0	3.4	0.0	74.0	76.4
Hong Kong SAR	639	94.9	92.1	4.9	92.1	4.9	2.9	0.0	96.2	93.7
Hungary	758	87.8	87.1	12.1	87.1	12.1	0.8	0.0	87.5	88.2
Ireland	723	94.8	94.4	5.2	94.4	5.2	0.4	0.0	94.9	94.6
Israel	726	85.9	85.2	13.9	85.2	13.9	0.9	0.0	85.5	86.4
Italy	639	91.3	90.4	8.6	90.4	8.6	1.0	0.0	87.8	94.3
Japan	334	95.5	93.6	4.4	93.6	4.4	2.0	0.0	97.6	93.6
Jordan	1398	49.8	48.5	48.9	48.5	48.9	2.6	0.0	50.7	49.0
Kazakhstan	892	81.5	80.5	18.3	80.5	18.3	1.2	0.0	80.8	82.0
Korea, Rep. of	366	94.7	94.3	5.3	94.3	5.3	0.3	0.0	96.6	93.0
Lithuania	750	94.1	92.9	5.8	92.9	5.8	1.3	0.0	93.0	95.2
Malaysia	1229	80.0	79.9	19.9	79.9	19.9	0.2	0.0	81.4	78.5
Malta	553	92.7	91.6	7.2	91.6	7.2	1.2	0.0	90.4	95.0
Morocco	1732	63.4	61.5	35.5	61.5	35.5	3.0	0.0	61.5	65.3
New Zealand	552	89.3	88.3	10.6	88.3	10.6	1.1	0.0	87.1	91.0
Norway (9)	888	92.9	90.6	6.9	90.6	6.9	2.5	0.0	92.4	93.5
Oman	1647	74.3	73.7	25.5	73.7	25.5	0.9	0.0	77.0	71.7
Palestinian Nat'l Auth.	1302	49.4	48.8	50.1	48.8	50.1	1.1	0.0	51.8	47.0
Portugal	756	88.6	88.2	11.4	88.2	11.4	0.5	0.0	86.8	90.3
Qatar	599	80.8	79.1	18.7	79.1	18.7	2.2	0.0	77.2	84.0
Romania	515	78.0	74.8	21.1	74.8	21.1	4.1	0.0	77.0	79.1
Saudi Arabia	1165	65.2	64.8	34.6	64.8	34.6	0.6	0.0	65.4	64.9
Singapore	408	96.6	96.6	3.4	96.6	3.4	0.0	0.0	95.6	97.4
Sweden	712	93.6	92.0	6.3	92.0	6.3	1.8	0.0	92.3	94.8
Turkiye	702	89.7	89.2	10.3	89.2	10.3	0.5	0.0	91.1	88.0
United Arab Emirates	5316	84.5	83.8	15.4	83.8	15.4	0.8	0.0	84.5	84.5
United States	1157	90.0	89.4	9.9	89.4	9.9	0.7	0.0	89.9	90.2
Uzbekistan	607	57.8	56.2	41.0	56.2	41.0	2.8	0.0	56.4	59.3
International Avg. (40)	39214	83.6	82.2	16.1	82.2	16.1	1.7	0.0	83.2	83.9
Abu Dhabi, UAE	2409	80.8	79.8	18.9	79.8	18.9	1.2	0.0	82.1	79.5
Dubai, UAE	1152	92.6	92.1	7.3	92.1	7.3	0.6	0.0	90.7	94.4
Sharjah, UAE	899	83.9	83.2	16.0	83.2	16.0	0.7	0.1	83.3	84.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

B_ME3_04 ME82623: Click the shapes that are views of the solid (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	68.0	67.8	31.9	67.8	31.9	0.2	0.1	66.0	69.9
Austria	650	69.3	68.8	30.4	68.8	30.4	0.7	0.1	72.2	66.6
Azerbaijan	877	47.8	47.2	51.6	47.2	51.6	1.2	0.0	49.0	46.6
Bahrain	719	47.9	47.9	52.1	47.9	52.1	0.0	0.0	54.1	41.8
Brazil	3170	52.5	52.3	47.2	52.3	47.2	0.5	0.0	54.7	50.1
Chile	632	64.9	63.8	34.5	63.8	34.5	1.6	0.1	62.2	67.5
Chinese Taipei	473	80.1	80.1	19.9	80.1	19.9	0.0	0.0	78.3	81.9
Cyprus	580	58.7	58.0	40.8	58.0	40.8	1.0	0.3	61.3	56.0
Czech Republic	1139	78.1	78.1	21.9	78.1	21.9	0.0	0.0	77.6	78.7
England	604	69.0	68.7	30.8	68.7	30.8	0.5	0.0	66.9	71.3
Finland	801	71.9	71.7	28.1	71.7	28.1	0.3	0.0	73.5	70.2
France	632	64.9	64.7	35.0	64.7	35.0	0.3	0.0	67.0	63.0
Georgia	0	.	.	.	.	.	.	.	.	.
Hong Kong SAR	639	73.4	73.1	26.5	73.1	26.5	0.1	0.3	73.8	73.0
Hungary	758	68.6	68.6	31.4	68.6	31.4	0.0	0.0	68.0	69.3
Ireland	723	71.3	71.3	28.7	71.3	28.7	0.0	0.0	70.6	72.0
Israel	726	62.0	61.9	37.9	61.9	37.9	0.2	0.0	63.7	60.3
Italy	639	75.6	75.6	24.4	75.6	24.4	0.0	0.0	73.1	77.7
Japan	334	84.1	84.1	15.9	84.1	15.9	0.0	0.0	85.0	83.3
Jordan	1398	25.7	25.5	73.8	25.5	73.8	0.7	0.0	30.5	21.1
Kazakhstan	892	49.7	49.7	50.3	49.7	50.3	0.0	0.0	52.6	47.4
Korea, Rep. of	366	78.9	78.6	21.0	78.6	21.0	0.4	0.0	80.2	77.7
Lithuania	750	68.5	68.3	31.4	68.3	31.4	0.1	0.2	70.9	66.2
Malaysia	1229	50.9	50.8	49.1	50.8	49.1	0.1	0.0	53.0	48.4
Malta	553	61.9	61.9	38.1	61.9	38.1	0.0	0.0	61.9	61.8
Morocco	1732	29.9	29.5	69.1	29.5	69.1	1.4	0.0	34.8	24.8
New Zealand	552	74.6	74.4	25.3	74.4	25.3	0.3	0.0	68.6	79.3
Norway (9)	888	70.9	70.4	28.9	70.4	28.9	0.2	0.4	71.6	70.2
Oman	1647	30.1	29.9	69.5	29.9	69.5	0.6	0.0	34.4	25.9
Palestinian Nat'l Auth.	1302	30.4	30.2	69.0	30.2	69.0	0.6	0.2	34.3	26.6
Portugal	756	72.9	72.8	27.1	72.8	27.1	0.1	0.0	76.0	69.9
Qatar	599	51.3	51.1	48.5	51.1	48.5	0.4	0.0	56.4	47.0
Romania	516	50.1	49.6	49.5	49.6	49.5	0.9	0.0	47.2	53.0
Saudi Arabia	1165	29.9	29.8	69.7	29.8	69.7	0.4	0.1	36.6	23.7
Singapore	408	78.2	78.2	21.8	78.2	21.8	0.0	0.0	79.5	77.2
Sweden	712	63.3	63.2	36.6	63.2	36.6	0.2	0.0	61.0	65.2
Turkiye	702	68.2	67.9	31.6	67.9	31.6	0.5	0.0	70.9	65.1
United Arab Emirates	5315	57.2	57.1	42.7	57.1	42.7	0.2	0.0	59.4	55.0
United States	1157	66.1	66.0	33.9	66.0	33.9	0.1	0.0	65.5	66.6
Uzbekistan	607	46.1	45.8	53.5	45.8	53.5	0.7	0.0	46.9	45.3
International Avg. (39)	38536	60.6	60.4	39.2	60.4	39.2	0.4	0.0	61.8	59.4
Abu Dhabi, UAE	2408	52.9	52.7	46.9	52.7	46.9	0.3	0.0	56.3	49.5
Dubai, UAE	1152	68.3	68.2	31.7	68.2	31.7	0.1	0.0	68.5	68.3
Sharjah, UAE	899	57.1	57.1	42.8	57.1	42.8	0.0	0.1	58.9	55.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

B_ME3_04A ME82623A: Click the shapes that are views of the solid - A - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	96.3	95.8	3.7	0.5	0.1	96.5	96.2
Austria	650	94.8	93.8	5.1	1.0	0.1	96.5	93.2
Azerbaijan	877	86.0	84.4	13.7	1.8	0.0	87.0	85.1
Bahrain	719	87.2	86.8	12.8	0.5	0.0	90.8	83.6
Brazil	3170	92.0	91.1	8.0	0.8	0.1	91.9	92.0
Chile	632	95.0	93.1	4.9	1.9	0.1	95.2	94.7
Chinese Taipei	473	97.1	97.1	2.9	0.0	0.0	97.4	96.9
Cyprus	580	95.0	93.6	4.9	1.2	0.3	96.5	93.5
Czech Republic	1139	98.1	98.0	1.9	0.1	0.0	97.9	98.2
England	604	95.8	95.1	4.2	0.7	0.0	94.9	96.7
Finland	801	96.9	96.6	3.1	0.3	0.0	97.8	95.9
France	632	96.2	95.7	3.7	0.5	0.0	95.8	96.6
Georgia	0	.	.	.	.	.	.	.
Hong Kong SAR	639	95.3	95.0	4.7	0.1	0.3	95.0	95.6
Hungary	758	94.5	94.5	5.5	0.0	0.0	94.0	95.1
Ireland	723	95.8	95.8	4.2	0.0	0.0	97.7	94.1
Israel	726	93.6	93.0	6.4	0.6	0.0	93.2	94.0
Italy	639	98.6	98.6	1.4	0.0	0.0	98.2	99.0
Japan	334	96.0	96.0	4.0	0.0	0.0	95.4	96.5
Jordan	1398	75.5	74.6	24.2	1.2	0.0	75.2	75.8
Kazakhstan	892	91.9	91.8	8.1	0.0	0.0	92.9	91.1
Korea, Rep. of	366	95.7	95.4	4.2	0.4	0.0	97.4	94.3
Lithuania	750	95.2	94.9	4.8	0.1	0.2	95.9	94.5
Malaysia	1229	90.1	89.9	9.9	0.2	0.0	90.3	89.9
Malta	553	96.1	96.1	3.9	0.0	0.0	95.2	97.0
Morocco	1732	80.4	78.1	19.0	2.8	0.0	80.5	80.4
New Zealand	552	96.1	95.7	3.9	0.3	0.0	93.9	97.7
Norway (9)	888	95.9	95.3	4.1	0.2	0.4	95.5	96.3
Oman	1647	72.6	71.7	27.1	1.1	0.0	73.8	71.4
Palestinian Nat'l Auth.	1302	79.8	78.8	20.0	1.0	0.2	78.6	80.9
Portugal	756	96.5	96.3	3.5	0.1	0.0	96.0	96.9
Qatar	599	91.4	90.4	8.5	1.1	0.0	95.2	88.2
Romania	516	91.8	90.6	8.1	1.2	0.0	94.3	89.2
Saudi Arabia	1165	69.9	69.4	29.9	0.5	0.1	71.1	68.7
Singapore	408	98.4	98.4	1.6	0.0	0.0	97.7	99.0
Sweden	712	93.2	92.8	6.8	0.4	0.0	93.2	93.2
Turkiye	702	95.2	94.2	4.8	1.0	0.0	97.4	92.6
United Arab Emirates	5315	91.3	91.0	8.7	0.3	0.0	92.7	89.9
United States	1157	94.8	94.7	5.2	0.1	0.0	94.8	94.8
Uzbekistan	607	92.7	92.1	7.3	0.7	0.0	93.3	92.0
International Avg. (39)	38536	92.0	91.4	7.9	0.6	0.0	92.5	91.6
Abu Dhabi, UAE	2408	88.6	88.1	11.4	0.5	0.0	90.1	87.0
Dubai, UAE	1152	94.7	94.6	5.3	0.1	0.0	94.7	94.7
Sharjah, UAE	899	91.7	91.5	8.3	0.1	0.1	94.8	88.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

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COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	94.9	5.1	94.4	0.5	0.1	94.4	95.4
Austria	650	92.9	7.0	91.9	1.0	0.1	93.7	92.2
Azerbaijan	877	86.1	13.6	84.6	1.8	0.0	85.5	86.7
Bahrain	719	86.1	13.9	85.7	0.5	0.0	87.2	85.0
Brazil	3170	85.8	14.1	85.0	0.8	0.1	87.4	84.1
Chile	632	90.3	9.5	88.5	1.9	0.1	90.3	90.4
Chinese Taipei	473	98.0	2.0	98.0	0.0	0.0	97.1	98.9
Cyprus	580	90.7	9.2	89.3	1.2	0.3	93.6	87.6
Czech Republic	1139	94.9	5.1	94.8	0.1	0.0	94.8	94.9
England	604	93.7	6.3	93.1	0.7	0.0	92.5	94.9
Finland	801	92.7	7.3	92.5	0.3	0.0	92.8	92.6
France	632	90.7	9.3	90.2	0.5	0.0	92.6	89.0
Georgia	0	.	.	.	.	.	.	.
Hong Kong SAR	639	96.4	3.6	96.0	0.1	0.3	97.4	95.3
Hungary	758	93.5	6.5	93.5	0.0	0.0	94.5	92.6
Ireland	723	93.7	6.3	93.7	0.0	0.0	93.4	94.0
Israel	726	91.6	8.3	91.1	0.6	0.0	92.5	90.8
Italy	639	95.1	4.9	95.1	0.0	0.0	94.5	95.6
Japan	334	98.3	1.7	98.3	0.0	0.0	99.5	97.2
Jordan	1398	80.9	18.9	79.9	1.2	0.0	87.1	75.0
Kazakhstan	892	84.5	15.5	84.4	0.0	0.0	87.7	81.9
Korea, Rep. of	366	97.6	2.4	97.2	0.4	0.0	99.5	95.9
Lithuania	750	90.6	9.3	90.4	0.1	0.2	91.1	90.2
Malaysia	1229	84.6	15.4	84.4	0.2	0.0	87.7	80.9
Malta	553	89.5	10.5	89.5	0.0	0.0	90.0	89.0
Morocco	1732	73.6	25.6	71.5	2.8	0.0	75.0	72.3
New Zealand	552	94.1	5.9	93.7	0.3	0.0	94.0	94.1
Norway (9)	888	92.3	7.7	91.7	0.2	0.4	93.1	91.5
Oman	1647	82.4	17.4	81.4	1.1	0.0	84.0	80.7
Palestinian Nat'l Auth.	1302	74.2	25.5	73.3	1.0	0.2	77.2	71.3
Portugal	756	96.0	4.0	95.9	0.1	0.0	96.7	95.3
Qatar	599	86.1	13.8	85.1	1.1	0.0	89.0	83.5
Romania	516	81.4	18.4	80.4	1.2	0.0	80.2	82.6
Saudi Arabia	1165	86.4	13.5	85.9	0.5	0.1	89.7	83.4
Singapore	408	96.7	3.3	96.7	0.0	0.0	97.5	96.1
Sweden	712	88.8	11.1	88.5	0.4	0.0	89.0	88.7
Turkiye	702	95.1	4.9	94.1	1.0	0.0	96.3	93.6
United Arab Emirates	5315	89.2	10.8	88.9	0.3	0.0	89.6	88.7
United States	1157	91.6	8.4	91.5	0.1	0.0	90.8	92.5
Uzbekistan	607	80.4	19.5	79.9	0.7	0.0	80.2	80.7
International Avg. (39)	38536	89.8	10.1	89.2	0.6	0.0	90.7	88.8
Abu Dhabi, UAE	2408	87.7	12.3	87.2	0.5	0.0	88.2	87.1
Dubai, UAE	1152	93.5	6.5	93.4	0.1	0.0	93.3	93.6
Sharjah, UAE	899	89.9	10.1	89.7	0.1	0.1	89.5	90.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

B_ME3_04C ME82623C: Click the shapes that are views of the solid - C - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	92.4	91.9	7.6	0.5	0.1	92.9	91.9
Austria	650	89.6	88.6	10.3	1.0	0.1	91.0	88.2
Azerbaijan	877	84.7	83.1	15.0	1.8	0.0	88.0	81.5
Bahrain	719	83.0	82.7	16.9	0.5	0.0	85.6	80.5
Brazil	3170	86.6	85.7	13.3	0.8	0.1	86.0	87.2
Chile	632	89.9	88.1	9.9	1.9	0.1	90.0	89.9
Chinese Taipei	473	97.2	97.2	2.8	0.0	0.0	96.7	97.7
Cyprus	580	89.7	88.3	10.2	1.2	0.3	90.9	88.3
Czech Republic	1139	94.3	94.3	5.7	0.1	0.0	95.3	93.4
England	604	95.7	95.1	4.2	0.7	0.0	94.9	96.6
Finland	801	94.4	94.2	5.5	0.3	0.0	94.4	94.5
France	632	90.4	89.9	9.6	0.5	0.0	91.5	89.3
Georgia	0	.	.	.	.	.	.	.
Hong Kong SAR	639	94.2	93.8	5.8	0.1	0.3	94.9	93.5
Hungary	758	87.9	87.9	12.1	0.0	0.0	89.1	86.8
Ireland	723	92.3	92.3	7.7	0.0	0.0	92.8	91.8
Israel	726	86.4	85.9	13.5	0.6	0.0	88.8	84.1
Italy	639	95.6	95.6	4.4	0.0	0.0	95.5	95.7
Japan	334	96.3	96.3	3.7	0.0	0.0	96.1	96.5
Jordan	1398	74.1	73.2	25.6	1.2	0.0	73.0	75.1
Kazakhstan	892	81.6	81.5	18.4	0.0	0.0	80.6	82.3
Korea, Rep. of	366	94.3	94.0	5.7	0.4	0.0	92.4	96.0
Lithuania	750	87.6	87.3	12.4	0.1	0.2	88.4	86.8
Malaysia	1229	83.3	83.2	16.7	0.2	0.0	83.4	83.2
Malta	553	92.9	92.9	7.1	0.0	0.0	93.8	92.0
Morocco	1732	75.1	73.0	24.2	2.8	0.0	75.6	74.6
New Zealand	552	94.1	93.7	5.9	0.3	0.0	92.8	95.1
Norway (9)	888	91.2	90.6	8.8	0.2	0.4	92.2	90.2
Oman	1647	75.7	74.9	24.0	1.1	0.0	78.9	72.6
Palestinian Nat'l Auth.	1302	74.7	73.7	25.0	1.0	0.2	73.5	75.8
Portugal	756	92.5	92.3	7.5	0.1	0.0	93.0	91.9
Qatar	599	79.9	79.0	19.9	1.1	0.0	83.6	76.7
Romania	516	85.7	84.6	14.1	1.2	0.0	85.8	85.6
Saudi Arabia	1165	69.7	69.2	30.2	0.5	0.1	73.2	66.4
Singapore	408	94.1	94.1	5.9	0.0	0.0	94.5	93.8
Sweden	712	87.2	86.9	12.7	0.4	0.0	86.1	88.1
Turkiye	702	94.7	93.8	5.2	1.0	0.0	95.7	93.6
United Arab Emirates	5315	86.5	86.3	13.4	0.3	0.0	87.5	85.5
United States	1157	90.4	90.3	9.6	0.1	0.0	90.6	90.1
Uzbekistan	607	85.0	84.4	14.9	0.7	0.0	84.0	86.1
International Avg. (39)	38536	88.0	87.4	11.9	0.6	0.0	88.5	87.4
Abu Dhabi, UAE	2408	83.2	82.8	16.7	0.5	0.0	84.2	82.2
Dubai, UAE	1152	92.4	92.3	7.6	0.1	0.0	92.5	92.3
Sharjah, UAE	899	88.3	88.1	11.7	0.1	0.1	90.7	85.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

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COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	83.3	16.6	82.8	0.5	0.1	78.6	87.8
Austria	650	86.8	13.1	85.8	1.0	0.1	83.9	89.5
Azerbaijan	877	77.1	22.5	75.6	1.8	0.0	76.4	77.7
Bahrain	719	79.7	20.2	79.3	0.5	0.0	81.1	78.3
Brazil	3170	74.0	25.8	73.2	0.8	0.1	76.5	71.2
Chile	632	81.6	18.0	80.0	1.9	0.1	77.6	85.3
Chinese Taipei	473	89.5	10.5	89.5	0.0	0.0	88.0	91.0
Cyprus	580	78.5	21.1	77.3	1.2	0.3	78.8	78.3
Czech Republic	1139	88.6	11.4	88.5	0.1	0.0	87.2	89.9
England	604	83.4	16.5	82.9	0.7	0.0	81.5	85.4
Finland	801	86.5	13.5	86.2	0.3	0.0	86.5	86.4
France	632	81.6	18.3	81.2	0.5	0.0	79.3	83.7
Georgia	0	.	.	.	.	.	.	.
Hong Kong SAR	639	85.8	14.1	85.5	0.1	0.3	85.5	86.1
Hungary	758	85.7	14.3	85.7	0.0	0.0	83.6	87.9
Ireland	723	86.3	13.7	86.3	0.0	0.0	85.1	87.3
Israel	726	84.6	15.3	84.1	0.6	0.0	83.2	85.9
Italy	639	85.9	14.1	85.9	0.0	0.0	84.7	87.0
Japan	334	91.3	8.7	91.3	0.0	0.0	91.4	91.3
Jordan	1398	72.7	27.0	71.8	1.2	0.0	76.6	68.9
Kazakhstan	892	82.5	17.4	82.5	0.0	0.0	83.1	82.1
Korea, Rep. of	366	91.0	9.0	90.7	0.4	0.0	91.4	90.6
Lithuania	750	85.9	14.0	85.7	0.1	0.2	85.3	86.6
Malaysia	1229	78.3	21.7	78.1	0.2	0.0	78.9	77.6
Malta	553	78.7	21.3	78.7	0.0	0.0	80.0	77.4
Morocco	1732	68.2	30.9	66.3	2.8	0.0	70.3	66.1
New Zealand	552	87.0	13.0	86.7	0.3	0.0	84.7	88.7
Norway (9)	888	86.8	13.1	86.2	0.2	0.4	85.1	88.4
Oman	1647	79.0	20.8	78.1	1.1	0.0	79.8	78.3
Palestinian Nat'l Auth.	1302	70.9	28.7	70.0	1.0	0.2	75.6	66.3
Portugal	756	84.5	15.5	84.4	0.1	0.0	84.6	84.4
Qatar	599	78.7	21.1	77.8	1.1	0.0	79.5	78.0
Romania	516	74.7	25.0	73.8	1.2	0.0	73.7	75.7
Saudi Arabia	1165	79.3	20.6	78.8	0.5	0.1	80.3	78.3
Singapore	408	88.0	12.0	88.0	0.0	0.0	86.9	88.9
Sweden	712	86.3	13.7	86.0	0.4	0.0	86.9	85.7
Turkiye	702	83.8	16.0	83.0	1.0	0.0	80.5	87.7
United Arab Emirates	5315	81.4	18.5	81.1	0.3	0.0	81.2	81.6
United States	1157	82.9	17.1	82.8	0.1	0.0	81.6	84.1
Uzbekistan	607	72.9	26.9	72.4	0.7	0.0	74.3	71.4
International Avg. (39)	38536	82.1	17.7	81.6	0.6	0.0	81.8	82.5
Abu Dhabi, UAE	2408	82.2	17.8	81.7	0.5	0.0	83.0	81.3
Dubai, UAE	1152	83.9	16.1	83.8	0.1	0.0	83.5	84.1
Sharjah, UAE	899	80.1	19.8	79.9	0.1	0.1	78.3	81.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

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COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	93.9	6.0	93.4	0.5	0.1	92.9	95.0
Austria	650	94.8	5.1	93.8	1.0	0.1	96.0	93.7
Azerbaijan	877	87.5	12.2	85.9	1.8	0.0	87.6	87.5
Bahrain	719	86.2	13.8	85.8	0.5	0.0	89.6	82.8
Brazil	3170	85.5	14.3	84.7	0.8	0.1	86.8	84.2
Chile	632	90.5	9.3	88.7	1.9	0.1	89.3	91.5
Chinese Taipei	473	96.4	3.6	96.4	0.0	0.0	97.3	95.6
Cyprus	580	90.6	9.3	89.2	1.2	0.3	91.9	89.2
Czech Republic	1139	94.9	5.1	94.8	0.1	0.0	94.9	94.9
England	604	90.8	9.1	90.2	0.7	0.0	90.1	91.6
Finland	801	92.8	7.2	92.5	0.3	0.0	94.4	91.1
France	632	91.4	8.6	90.9	0.5	0.0	92.9	90.0
Georgia	0	.	.	.	.	.	.	.
Hong Kong SAR	639	93.2	6.8	92.8	0.1	0.3	94.4	92.0
Hungary	758	95.9	4.1	95.9	0.0	0.0	96.8	95.0
Ireland	723	93.1	6.9	93.1	0.0	0.0	92.4	93.7
Israel	726	92.2	7.7	91.7	0.6	0.0	92.2	92.3
Italy	639	95.5	4.5	95.5	0.0	0.0	94.8	96.2
Japan	334	98.6	1.4	98.6	0.0	0.0	98.9	98.3
Jordan	1398	82.2	17.6	81.2	1.2	0.0	87.9	76.7
Kazakhstan	892	87.7	12.3	87.6	0.0	0.0	89.1	86.5
Korea, Rep. of	366	97.1	2.9	96.7	0.4	0.0	97.3	96.9
Lithuania	750	92.0	8.0	91.7	0.1	0.2	95.2	88.9
Malaysia	1229	87.7	12.3	87.5	0.2	0.0	90.6	84.4
Malta	553	88.8	11.2	88.8	0.0	0.0	89.9	87.7
Morocco	1732	77.7	21.7	75.5	2.8	0.0	78.1	77.3
New Zealand	552	94.8	5.2	94.5	0.3	0.0	95.1	94.5
Norway (9)	888	93.3	6.6	92.8	0.2	0.4	93.5	93.2
Oman	1647	88.5	11.4	87.5	1.1	0.0	90.2	86.9
Palestinian Nat'l Auth.	1302	77.1	22.6	76.2	1.0	0.2	79.9	74.3
Portugal	756	95.5	4.5	95.4	0.1	0.0	95.5	95.5
Qatar	599	87.4	12.4	86.5	1.1	0.0	86.4	88.3
Romania	516	84.8	15.0	83.7	1.2	0.0	86.5	83.0
Saudi Arabia	1165	88.1	11.8	87.5	0.5	0.1	92.8	83.7
Singapore	408	96.2	3.8	96.2	0.0	0.0	97.6	95.0
Sweden	712	91.8	8.2	91.5	0.4	0.0	92.2	91.5
Turkiye	702	94.7	5.2	93.8	1.0	0.0	96.0	93.2
United Arab Emirates	5315	91.6	8.4	91.3	0.3	0.0	91.6	91.5
United States	1157	92.8	7.2	92.7	0.1	0.0	92.4	93.2
Uzbekistan	607	80.8	19.1	80.3	0.7	0.0	82.8	78.6
International Avg. (39)	38536	90.6	9.3	90.1	0.6	0.0	91.6	89.6
Abu Dhabi, UAE	2408	91.0	8.9	90.6	0.5	0.0	90.9	91.1
Dubai, UAE	1152	93.4	6.6	93.3	0.1	0.0	93.1	93.7
Sharjah, UAE	899	92.7	7.3	92.5	0.1	0.1	92.2	93.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

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COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	88.6	88.1	11.3	0.5	0.1	91.0	86.4
Austria	650	90.1	89.1	9.8	1.0	0.1	94.0	86.3
Azerbaijan	877	77.2	75.7	22.4	1.8	0.0	77.8	76.6
Bahrain	719	75.3	75.0	24.6	0.5	0.0	83.3	67.6
Brazil	3170	82.6	81.8	17.2	0.8	0.1	83.6	81.6
Chile	632	88.5	86.8	11.2	1.9	0.1	89.8	87.4
Chinese Taipei	473	94.5	94.5	5.5	0.0	0.0	93.7	95.3
Cyprus	580	85.3	84.0	14.5	1.2	0.3	87.1	83.3
Czech Republic	1139	92.9	92.8	7.1	0.1	0.0	94.5	91.4
England	604	91.6	91.0	8.3	0.7	0.0	90.8	92.5
Finland	801	90.3	90.0	9.7	0.3	0.0	92.1	88.4
France	632	91.9	91.5	8.0	0.5	0.0	94.3	89.9
Georgia	0	.	.	.	.	.	.	.
Hong Kong SAR	639	91.6	91.2	8.4	0.1	0.3	90.9	92.2
Hungary	758	91.5	91.5	8.5	0.0	0.0	92.9	90.1
Ireland	723	92.4	92.4	7.6	0.0	0.0	93.3	91.6
Israel	726	82.1	81.7	17.8	0.6	0.0	84.9	79.4
Italy	639	92.5	92.5	7.5	0.0	0.0	93.0	92.0
Japan	334	95.5	95.5	4.5	0.0	0.0	94.5	96.5
Jordan	1398	60.9	60.2	38.6	1.2	0.0	61.5	60.3
Kazakhstan	892	75.4	75.4	24.6	0.0	0.0	78.8	72.7
Korea, Rep. of	366	95.9	95.6	4.1	0.4	0.0	96.2	95.7
Lithuania	750	92.4	92.1	7.5	0.1	0.2	92.5	92.4
Malaysia	1229	78.8	78.7	21.1	0.2	0.0	78.6	79.2
Malta	553	89.5	89.5	10.5	0.0	0.0	90.1	88.9
Morocco	1732	72.8	70.8	26.4	2.8	0.0	78.0	67.5
New Zealand	552	91.4	91.1	8.6	0.3	0.0	88.3	93.9
Norway (9)	888	90.1	89.6	9.8	0.2	0.4	92.4	88.0
Oman	1647	56.0	55.4	43.5	1.1	0.0	61.2	51.0
Palestinian Nat'l Auth.	1302	67.6	66.8	32.0	1.0	0.2	72.1	63.2
Portugal	756	92.9	92.8	7.1	0.1	0.0	96.1	89.7
Qatar	599	80.2	79.3	19.6	1.1	0.0	85.0	76.1
Romania	516	81.9	80.8	17.9	1.2	0.0	81.4	82.3
Saudi Arabia	1165	55.9	55.5	43.8	0.5	0.1	58.9	53.0
Singapore	408	96.1	96.1	3.9	0.0	0.0	96.9	95.4
Sweden	712	85.7	85.4	14.3	0.4	0.0	83.3	87.7
Turkiye	702	89.0	88.1	10.9	1.0	0.0	94.6	82.4
United Arab Emirates	5315	81.8	81.6	18.1	0.3	0.0	85.1	78.6
United States	1157	91.9	91.8	8.1	0.1	0.0	93.2	90.5
Uzbekistan	607	79.0	78.5	20.9	0.7	0.0	82.1	75.7
International Avg. (39)	38536	84.6	84.1	15.3	0.6	0.0	86.4	82.9
Abu Dhabi, UAE	2408	77.3	76.9	22.6	0.5	0.0	80.6	73.9
Dubai, UAE	1152	89.3	89.3	10.7	0.1	0.0	90.6	88.3
Sharjah, UAE	899	82.9	82.7	17.1	0.1	0.1	87.0	78.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data and Probability / Applying

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COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	69.6	69.4	30.3	69.4	30.3	0.1	0.2	71.1	68.4
Austria	650	79.5	79.3	20.5	79.3	20.5	0.1	0.1	83.7	75.5
Azerbaijan	877	61.4	59.7	37.6	59.7	37.6	2.7	0.0	62.2	60.6
Bahrain	719	54.6	54.6	45.4	54.6	45.4	0.0	0.0	63.6	45.8
Brazil	3170	27.3	27.1	72.2	27.1	72.2	0.6	0.1	26.5	28.1
Chile	632	42.8	42.5	56.8	42.5	56.8	0.6	0.1	44.3	41.4
Chinese Taipei	474	79.6	79.6	20.4	79.6	20.4	0.0	0.0	81.7	77.5
Cyprus	580	64.0	63.0	35.4	63.0	35.4	1.2	0.3	66.0	61.9
Czech Republic	1139	73.0	72.9	26.9	72.9	26.9	0.2	0.0	76.6	69.7
England	604	72.2	71.9	27.7	71.9	27.7	0.3	0.0	71.0	73.4
Finland	801	72.3	71.8	27.5	71.8	27.5	0.7	0.0	77.3	67.3
France	632	52.6	52.0	46.9	52.0	46.9	1.1	0.0	54.8	50.5
Georgia	677	66.5	66.3	33.4	66.3	33.4	0.3	0.0	73.9	59.1
Hong Kong SAR	639	74.6	74.2	25.2	74.2	25.2	0.3	0.3	77.1	72.3
Hungary	758	72.2	72.2	27.8	72.2	27.8	0.0	0.0	74.1	70.2
Ireland	723	69.9	69.8	30.1	69.8	30.1	0.0	0.0	71.3	68.5
Israel	726	72.4	71.9	27.5	71.9	27.5	0.6	0.0	77.3	67.5
Italy	639	64.9	64.7	35.0	64.7	35.0	0.2	0.0	66.7	63.3
Japan	334	90.2	90.2	9.8	90.2	9.8	0.0	0.0	92.0	88.4
Jordan	1398	26.6	26.6	73.4	26.6	73.4	0.1	0.0	33.4	20.2
Kazakhstan	892	65.8	65.7	34.1	65.7	34.1	0.3	0.0	71.8	61.1
Korea, Rep. of	366	86.3	86.3	13.7	86.3	13.7	0.0	0.0	93.2	80.3
Lithuania	750	80.1	79.8	19.8	79.8	19.8	0.1	0.2	83.8	76.6
Malaysia	1229	37.2	37.2	62.8	37.2	62.8	0.0	0.0	40.0	34.2
Malta	553	62.5	62.3	37.4	62.3	37.4	0.3	0.0	64.4	60.5
Morocco	1732	13.8	13.6	85.0	13.6	85.0	1.4	0.0	12.5	15.1
New Zealand	552	69.0	68.7	30.9	68.7	30.9	0.4	0.0	70.3	68.0
Norway (9)	887	73.1	72.1	26.5	72.1	26.5	1.0	0.4	75.7	70.8
Oman	1647	37.1	37.0	62.5	37.0	62.5	0.4	0.1	42.7	31.9
Palestinian Nat'l Auth.	1302	40.4	40.2	59.4	40.2	59.4	0.1	0.3	49.8	31.0
Portugal	756	65.1	65.0	34.9	65.0	34.9	0.1	0.0	65.6	64.5
Qatar	599	49.2	48.9	50.5	48.9	50.5	0.7	0.0	56.7	42.8
Romania	515	48.8	48.5	50.9	48.5	50.9	0.6	0.0	48.4	49.3
Saudi Arabia	1165	47.1	47.0	52.7	47.0	52.7	0.2	0.1	55.1	39.7
Singapore	408	75.7	75.7	24.3	75.7	24.3	0.0	0.0	78.7	73.4
Sweden	712	77.5	77.3	22.4	77.3	22.4	0.3	0.0	83.3	72.5
Turkiye	702	76.9	76.8	23.0	76.8	23.0	0.2	0.0	83.3	69.5
United Arab Emirates	5316	54.9	54.7	45.0	54.7	45.0	0.3	0.0	57.4	52.4
United States	1157	66.5	66.4	33.5	66.4	33.5	0.1	0.0	66.9	66.0
Uzbekistan	607	50.7	50.4	49.0	50.4	49.0	0.6	0.0	53.6	47.6
International Avg. (40)	39213	61.6	61.3	38.2	61.3	38.2	0.4	0.1	64.9	58.4
Abu Dhabi, UAE	2409	45.1	44.9	54.7	44.9	54.7	0.3	0.0	46.4	43.7
Dubai, UAE	1152	71.6	71.4	28.3	71.4	28.3	0.3	0.0	73.7	69.5
Sharjah, UAE	899	57.7	57.6	42.2	57.6	42.2	0.1	0.1	64.3	51.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Applying

B_ME3_06 ME82790: Difference in shirt sales between highest and lowest months - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1193	71.0	70.4	28.8	70.4	28.8	0.5	0.2	66.7	75.2
Austria	650	69.0	67.2	30.2	67.2	30.2	2.5	0.1	68.2	69.8
Azerbaijan	877	68.5	65.0	29.9	65.0	29.9	5.1	0.0	70.6	66.5
Bahrain	719	49.9	49.5	49.6	49.5	49.6	0.8	0.0	50.3	49.6
Brazil	3165	37.6	36.0	59.7	36.0	59.7	4.1	0.1	30.7	45.0
Chile	631	51.3	48.8	46.2	48.8	46.2	4.7	0.3	48.2	54.1
Chinese Taipei	474	86.7	86.7	13.3	86.7	13.3	0.0	0.0	85.8	87.6
Cyprus	580	72.4	69.8	26.6	69.8	26.6	3.1	0.4	70.9	74.0
Czech Republic	1139	73.7	73.0	26.0	73.0	26.0	1.1	0.0	71.2	76.2
England	604	79.3	78.1	20.4	78.1	20.4	1.4	0.0	75.5	83.2
Finland	801	77.6	76.2	22.0	76.2	22.0	1.4	0.3	78.0	77.2
France	631	63.0	59.8	35.2	59.8	35.2	5.0	0.0	61.3	64.4
Georgia	677	57.5	54.9	40.6	54.9	40.6	4.4	0.0	56.2	58.7
Hong Kong SAR	639	78.3	77.8	21.5	77.8	21.5	0.4	0.3	79.4	77.3
Hungary	758	69.4	69.1	30.4	69.1	30.4	0.5	0.0	66.0	72.9
Ireland	723	78.0	77.8	22.0	77.8	22.0	0.3	0.0	77.4	78.5
Israel	726	70.2	69.0	29.2	69.0	29.2	1.8	0.0	66.3	74.0
Italy	639	70.0	69.6	29.8	69.6	29.8	0.6	0.0	63.6	75.6
Japan	334	93.0	93.0	7.0	93.0	7.0	0.0	0.0	93.2	92.9
Jordan	1396	31.4	31.0	67.5	31.0	67.5	1.5	0.0	31.2	31.6
Kazakhstan	892	51.8	50.7	47.2	50.7	47.2	2.1	0.0	52.1	51.5
Korea, Rep. of	366	86.7	86.4	13.3	86.4	13.3	0.3	0.0	88.0	85.5
Lithuania	748	69.9	68.6	29.5	68.6	29.5	1.6	0.2	72.9	67.0
Malaysia	1229	36.5	36.3	63.2	36.3	63.2	0.4	0.0	37.6	35.3
Malta	553	76.2	75.8	23.6	75.8	23.6	0.6	0.0	77.3	75.2
Morocco	1730	20.8	18.6	71.2	18.6	71.2	10.2	0.0	19.4	22.2
New Zealand	552	70.6	69.5	29.0	69.5	29.0	1.5	0.0	66.2	73.9
Norway (9)	888	79.3	77.5	20.3	77.5	20.3	1.7	0.5	80.9	77.7
Oman	1643	45.9	45.0	53.1	45.0	53.1	1.7	0.2	47.7	44.1
Palestinian Nat'l Auth.	1297	29.6	29.0	68.9	29.0	68.9	1.7	0.4	32.2	27.0
Portugal	756	73.5	71.8	25.9	71.8	25.9	2.3	0.0	69.4	77.5
Qatar	599	56.5	56.0	43.2	56.0	43.2	0.9	0.0	48.3	63.4
Romania	516	61.6	60.4	37.7	60.4	37.7	1.8	0.0	62.3	60.8
Saudi Arabia	1163	39.6	39.4	60.1	39.4	60.1	0.4	0.1	37.3	41.8
Singapore	408	89.2	89.2	10.8	89.2	10.8	0.0	0.0	89.1	89.3
Sweden	712	78.1	76.8	21.6	76.8	21.6	1.5	0.1	79.2	77.0
Turkiye	702	77.8	77.0	22.0	77.0	22.0	1.0	0.0	79.8	75.5
United Arab Emirates	5312	62.4	62.1	37.4	62.1	37.4	0.5	0.0	60.2	64.6
United States	1157	67.0	66.6	32.7	66.6	32.7	0.7	0.0	63.7	70.5
Uzbekistan	606	32.2	31.2	65.9	31.2	65.9	2.9	0.0	30.0	34.5
International Avg. (40)	39185	63.8	62.8	35.3	62.8	35.3	1.8	0.1	62.6	65.0
Abu Dhabi, UAE	2408	54.1	53.6	45.5	53.6	45.5	0.8	0.1	51.5	56.7
Dubai, UAE	1152	81.3	81.0	18.6	81.0	18.6	0.3	0.0	80.2	82.3
Sharjah, UAE	897	63.2	63.1	36.7	63.1	36.7	0.1	0.1	61.6	64.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME3_07 ME82101: Drag the digits to complete the equation - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	70.3	69.2	29.2	69.2	29.2	1.4	0.2	71.3	69.4
Austria	650	79.1	78.4	20.7	78.4	20.7	0.8	0.1	83.4	75.1
Azerbaijan	877	86.6	84.4	13.1	84.4	13.1	2.5	0.0	89.8	83.5
Bahrain	719	66.9	66.9	33.1	66.9	33.1	0.1	0.0	71.6	62.3
Brazil	3170	47.7	46.5	50.9	46.5	50.9	2.4	0.1	48.4	47.0
Chile	632	56.8	55.4	42.2	55.4	42.2	2.0	0.3	57.6	56.0
Chinese Taipei	474	97.0	97.0	3.0	97.0	3.0	0.0	0.0	98.9	95.1
Cyprus	580	80.3	79.2	19.4	79.2	19.4	0.9	0.4	82.0	78.5
Czech Republic	1139	85.9	85.5	14.0	85.5	14.0	0.5	0.0	87.1	84.7
England	604	79.1	78.4	20.7	78.4	20.7	0.9	0.0	78.8	79.4
Finland	801	81.7	80.0	17.9	80.0	17.9	1.8	0.3	85.3	78.1
France	632	69.3	67.7	30.0	67.7	30.0	2.3	0.0	72.3	66.6
Georgia	677	87.3	86.1	12.5	86.1	12.5	1.4	0.0	90.3	84.3
Hong Kong SAR	639	93.5	93.0	6.5	93.0	6.5	0.3	0.3	93.7	93.3
Hungary	758	86.6	86.4	13.4	86.4	13.4	0.3	0.0	89.0	84.2
Ireland	723	80.4	79.9	19.5	79.9	19.5	0.6	0.0	81.3	79.6
Israel	726	79.1	77.7	20.6	77.7	20.6	1.7	0.0	81.8	76.4
Italy	639	85.3	84.3	14.5	84.3	14.5	1.2	0.0	89.4	81.7
Japan	334	97.1	97.1	2.9	97.1	2.9	0.0	0.0	97.5	96.7
Jordan	1398	57.1	57.1	42.8	57.1	42.8	0.0	0.0	61.9	52.7
Kazakhstan	892	86.4	86.4	13.5	86.4	13.5	0.1	0.0	90.8	83.0
Korea, Rep. of	366	92.0	91.7	7.9	91.7	7.9	0.4	0.0	93.8	90.5
Lithuania	750	84.3	83.9	15.7	83.9	15.7	0.2	0.2	85.6	83.0
Malaysia	1229	58.3	58.0	41.5	58.0	41.5	0.5	0.0	61.3	54.9
Malta	553	74.5	74.1	25.4	74.1	25.4	0.5	0.0	75.7	73.3
Morocco	1732	62.4	61.7	37.1	61.7	37.1	1.2	0.0	62.8	62.1
New Zealand	552	67.7	67.1	32.0	67.1	32.0	0.9	0.0	67.0	68.2
Norway (9)	888	70.3	69.1	29.2	69.1	29.2	1.1	0.6	76.6	64.5
Oman	1647	65.9	65.4	33.9	65.4	33.9	0.5	0.2	72.3	59.7
Palestinian Nat'l Auth.	1302	57.7	57.0	41.7	57.0	41.7	0.8	0.4	64.8	50.6
Portugal	756	71.0	70.2	28.7	70.2	28.7	1.2	0.0	72.4	69.6
Qatar	599	65.1	64.6	34.6	64.6	34.6	0.8	0.0	65.0	65.2
Romania	516	84.5	82.8	15.2	82.8	15.2	0.8	1.1	85.1	83.9
Saudi Arabia	1165	50.4	50.3	49.5	50.3	49.5	0.1	0.1	54.9	46.2
Singapore	408	90.4	90.4	9.6	90.4	9.6	0.0	0.0	93.2	88.1
Sweden	712	73.7	72.9	25.9	72.9	25.9	1.1	0.1	76.1	71.7
Turkiye	702	79.0	78.4	20.8	78.4	20.8	0.8	0.0	81.2	76.4
United Arab Emirates	5316	77.8	77.6	22.2	77.6	22.2	0.2	0.1	79.8	75.8
United States	1157	75.5	75.3	24.4	75.3	24.4	0.3	0.0	76.4	74.6
Uzbekistan	607	83.4	82.7	16.4	82.7	16.4	0.9	0.0	84.4	82.4
International Avg. (40)	39215	75.9	75.2	23.8	75.2	23.8	0.8	0.1	78.3	73.7
Abu Dhabi, UAE	2409	71.6	71.3	28.3	71.3	28.3	0.2	0.1	74.6	68.5
Dubai, UAE	1152	87.5	87.4	12.5	87.4	12.5	0.1	0.0	87.2	87.8
Sharjah, UAE	899	80.3	80.1	19.7	80.1	19.7	0.1	0.1	83.7	76.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Knowing

B_ME3_08 ME82601: Degree change in angle measure between Now and End - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	68.9	68.2	30.8	68.2	30.8	0.8	0.2	66.3	71.3
Austria	649	70.6	69.7	29.1	69.7	29.1	1.1	0.1	68.5	72.5
Azerbaijan	877	66.2	63.3	32.4	63.3	32.4	4.2	0.1	67.2	65.1
Bahrain	718	33.1	32.8	66.4	32.8	66.4	0.8	0.0	32.4	33.7
Brazil	3170	23.5	22.7	73.8	22.7	73.8	3.4	0.1	19.9	27.3
Chile	632	27.9	25.6	66.1	25.6	66.1	8.0	0.3	25.0	30.5
Chinese Taipei	473	91.7	91.7	8.3	91.7	8.3	0.0	0.0	92.7	90.7
Cyprus	580	70.3	67.8	28.7	67.8	28.7	3.1	0.4	69.3	71.3
Czech Republic	1139	72.3	71.8	27.5	71.8	27.5	0.7	0.0	67.7	76.6
England	604	75.8	74.6	23.8	74.6	23.8	1.6	0.0	74.1	77.6
Finland	801	72.6	71.7	27.0	71.7	27.0	0.9	0.4	69.3	76.0
France	632	53.5	50.9	44.3	50.9	44.3	4.8	0.0	53.9	53.1
Georgia	676	50.5	48.5	47.6	48.5	47.6	3.9	0.0	53.3	47.7
Hong Kong SAR	638	80.3	79.8	19.6	79.8	19.6	0.4	0.3	81.2	79.3
Hungary	758	69.4	69.1	30.5	69.1	30.5	0.4	0.0	62.0	76.9
Ireland	723	71.9	71.3	27.9	71.3	27.9	0.8	0.0	65.8	77.5
Israel	726	62.0	60.6	37.1	60.6	37.1	2.3	0.0	62.3	61.8
Italy	639	63.8	63.3	35.8	63.3	35.8	0.9	0.0	63.3	64.3
Japan	334	89.3	88.5	10.7	88.5	10.7	0.8	0.0	85.2	93.1
Jordan	1397	23.8	23.5	75.6	23.5	75.6	0.8	0.1	22.8	24.6
Kazakhstan	892	51.6	51.3	48.2	51.3	48.2	0.5	0.0	52.4	51.0
Korea, Rep. of	366	85.6	85.6	14.4	85.6	14.4	0.0	0.0	86.0	85.3
Lithuania	750	73.1	71.1	26.2	71.1	26.2	2.5	0.2	72.5	73.7
Malaysia	1229	24.7	24.6	74.9	24.6	74.9	0.6	0.0	25.2	24.1
Malta	553	71.2	71.1	28.7	71.1	28.7	0.2	0.0	71.4	71.0
Morocco	1731	26.4	25.3	70.8	25.3	70.8	3.9	0.0	29.2	23.5
New Zealand	551	58.2	57.5	41.4	57.5	41.4	1.1	0.0	48.7	65.4
Norway (9)	888	68.1	66.0	30.9	66.0	30.9	2.5	0.6	67.6	68.6
Oman	1646	35.5	34.8	63.3	34.8	63.3	1.7	0.2	38.5	32.5
Palestinian Nat'l Auth.	1302	26.5	26.2	72.6	26.2	72.6	0.8	0.4	29.6	23.4
Portugal	755	58.0	57.0	41.3	57.0	41.3	1.7	0.1	57.2	58.7
Qatar	599	47.0	46.7	52.7	46.7	52.7	0.6	0.0	42.2	51.0
Romania	516	64.1	62.9	35.2	62.9	35.2	0.8	1.1	65.3	63.0
Saudi Arabia	1164	29.7	29.4	69.6	29.4	69.6	0.9	0.1	32.7	27.0
Singapore	408	86.4	86.4	13.6	86.4	13.6	0.0	0.0	88.4	84.8
Sweden	712	74.6	73.4	25.0	73.4	25.0	1.6	0.1	75.6	73.9
Turkiye	702	65.4	64.0	33.8	64.0	33.8	2.2	0.0	65.5	65.3
United Arab Emirates	5314	56.2	55.9	43.6	55.9	43.6	0.5	0.1	54.6	57.8
United States	1157	53.9	53.7	46.0	53.7	46.0	0.3	0.0	51.9	56.0
Uzbekistan	607	38.7	38.4	61.0	38.4	61.0	0.6	0.0	38.9	38.4
International Avg. (40)	39202	58.3	57.4	40.9	57.4	40.9	1.6	0.1	57.4	59.1
Abu Dhabi, UAE	2409	47.6	47.3	52.0	47.3	52.0	0.6	0.1	47.0	48.3
Dubai, UAE	1152	74.6	74.3	25.4	74.3	25.4	0.3	0.0	72.2	76.8
Sharjah, UAE	898	60.1	59.7	39.7	59.7	39.7	0.4	0.1	58.1	62.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Knowing

B_ME3_09 ME82502: Coordinates of points on line with M (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	50.1	48.2	47.9	48.2	47.9	3.7	0.2	47.7	52.7
Austria	650	65.0	62.9	33.9	62.9	33.9	3.1	0.1	62.9	67.0
Azerbaijan	877	47.6	37.3	41.1	37.3	41.1	21.5	0.1	49.6	45.7
Bahrain	718	43.9	42.8	54.7	42.8	54.7	2.5	0.0	49.3	38.6
Brazil	3165	10.8	9.0	74.9	9.0	74.9	15.7	0.3	9.8	11.8
Chile	632	33.3	28.9	58.0	28.9	58.0	12.8	0.3	31.8	34.6
Chinese Taipei	474	76.1	75.0	23.5	75.0	23.5	1.5	0.0	77.7	74.6
Cyprus	580	54.5	49.3	41.2	49.3	41.2	9.0	0.4	54.6	54.5
Czech Republic	1139	48.8	43.9	46.1	43.9	46.1	10.0	0.0	45.8	51.5
England	604	66.6	62.4	31.3	62.4	31.3	6.3	0.0	60.6	72.9
Finland	801	61.7	58.9	36.6	58.9	36.6	4.2	0.4	63.1	60.2
France	631	50.4	44.1	43.3	44.1	43.3	12.7	0.0	49.1	51.7
Georgia	676	46.4	40.5	46.9	40.5	46.9	12.6	0.0	47.6	45.0
Hong Kong SAR	639	75.3	73.0	23.9	73.0	23.9	2.9	0.3	71.9	78.7
Hungary	757	67.3	65.7	31.9	65.7	31.9	2.5	0.0	67.8	66.8
Ireland	723	44.2	41.2	51.9	41.2	51.9	6.9	0.0	44.0	44.5
Israel	726	50.0	46.7	46.7	46.7	46.7	6.6	0.0	51.6	48.6
Italy	639	56.4	52.6	40.7	52.6	40.7	6.7	0.0	57.5	55.4
Japan	334	90.4	86.2	9.1	86.2	9.1	4.6	0.0	91.0	89.9
Jordan	1397	24.3	23.3	72.5	23.3	72.5	4.1	0.1	29.4	19.4
Kazakhstan	891	42.0	38.4	52.9	38.4	52.9	8.6	0.0	47.2	38.0
Korea, Rep. of	366	72.3	70.8	27.1	70.8	27.1	2.1	0.0	74.6	70.4
Lithuania	750	62.0	57.9	35.5	57.9	35.5	6.4	0.2	62.1	61.9
Malaysia	1229	24.1	23.7	74.6	23.7	74.6	1.7	0.0	23.4	24.8
Malta	553	55.9	53.0	41.9	53.0	41.9	5.2	0.0	57.0	54.7
Morocco	1731	17.1	14.6	70.8	14.6	70.8	14.6	0.0	15.4	18.8
New Zealand	552	44.0	41.3	52.6	41.3	52.6	6.0	0.0	36.0	50.0
Norway (9)	887	47.5	41.7	46.0	41.7	46.0	11.8	0.6	44.7	50.2
Oman	1644	43.7	42.7	55.1	42.7	55.1	2.0	0.2	49.7	37.8
Palestinian Nat'l Auth.	1296	10.8	10.1	83.7	10.1	83.7	5.7	0.4	11.1	10.6
Portugal	756	53.4	50.0	43.7	50.0	43.7	6.2	0.1	54.7	52.1
Qatar	599	46.1	44.5	52.0	44.5	52.0	3.4	0.0	51.0	41.9
Romania	516	46.1	42.4	49.5	42.4	49.5	7.0	1.1	47.6	44.6
Saudi Arabia	1162	29.0	28.5	69.6	28.5	69.6	1.8	0.1	31.0	27.3
Singapore	408	72.1	72.1	27.9	72.1	27.9	0.0	0.0	75.8	69.1
Sweden	712	51.0	47.1	45.3	47.1	45.3	7.4	0.3	49.9	51.8
Turkiye	701	46.6	41.8	47.9	41.8	47.9	10.3	0.0	45.4	48.1
United Arab Emirates	5316	53.6	52.7	45.7	52.7	45.7	1.5	0.1	54.6	52.5
United States	1157	65.3	64.6	34.3	64.6	34.3	1.1	0.0	70.4	60.3
Uzbekistan	606	19.0	16.8	71.6	16.8	71.6	11.5	0.1	17.5	20.7
International Avg. (40)	39188	49.1	46.2	47.1	46.2	47.1	6.6	0.1	49.5	48.7
Abu Dhabi, UAE	2409	45.7	45.0	53.4	45.0	53.4	1.5	0.1	47.4	44.0
Dubai, UAE	1152	67.4	66.4	32.1	66.4	32.1	1.5	0.0	66.5	68.2
Sharjah, UAE	899	55.8	54.9	43.4	54.9	43.4	1.5	0.1	56.5	55.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME3_09A ME82502A: Coordinates of points on line with M - Point N - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	63.6	61.1	35.0	61.1	35.0	3.7	0.2	60.6	66.5
Austria	650	75.5	73.1	23.7	73.1	23.7	3.1	0.1	73.0	77.9
Azerbaijan	877	59.6	46.4	31.5	46.4	31.5	21.9	0.1	64.2	55.3
Bahrain	718	51.2	50.0	47.6	50.0	47.6	2.5	0.0	55.2	47.3
Brazil	3166	23.3	19.5	64.3	19.5	64.3	15.9	0.3	21.5	25.1
Chile	632	47.2	41.1	45.9	41.1	45.9	12.8	0.3	45.1	49.2
Chinese Taipei	474	84.4	83.1	15.4	83.1	15.4	1.5	0.0	84.4	84.4
Cyprus	580	67.0	60.6	29.9	60.6	29.9	9.0	0.4	66.7	67.2
Czech Republic	1139	66.1	59.5	30.5	59.5	30.5	10.0	0.0	64.2	67.9
England	604	76.0	71.2	22.5	71.2	22.5	6.3	0.0	71.8	80.4
Finland	801	70.4	67.2	28.2	67.2	28.2	4.2	0.4	71.9	68.9
France	631	61.7	53.9	33.5	53.9	33.5	12.7	0.0	59.6	63.6
Georgia	676	58.9	51.3	35.9	51.3	35.9	12.8	0.0	59.8	57.9
Hong Kong SAR	639	84.7	82.1	14.8	82.1	14.8	2.9	0.3	83.1	86.4
Hungary	757	76.3	74.4	23.1	74.4	23.1	2.5	0.0	75.7	76.9
Ireland	723	57.0	53.1	40.0	53.1	40.0	6.9	0.0	56.1	57.8
Israel	726	62.3	58.2	35.2	58.2	35.2	6.6	0.0	63.1	61.6
Italy	639	67.8	63.3	30.0	63.3	30.0	6.7	0.0	65.0	70.4
Japan	334	94.2	89.8	5.5	89.8	5.5	4.6	0.0	95.4	93.1
Jordan	1397	35.6	34.0	61.5	34.0	61.5	4.4	0.1	39.2	32.2
Kazakhstan	892	56.7	51.8	39.6	51.8	39.6	8.6	0.0	60.6	53.6
Korea, Rep. of	366	81.6	79.9	18.0	79.9	18.0	2.1	0.0	86.4	77.4
Lithuania	750	72.2	67.3	25.9	67.3	25.9	6.6	0.2	72.8	71.6
Malaysia	1229	35.3	34.7	63.6	34.7	63.6	1.7	0.0	36.9	33.4
Malta	553	68.0	64.5	30.3	64.5	30.3	5.2	0.0	68.9	67.1
Morocco	1731	30.8	26.2	58.8	26.2	58.8	15.0	0.0	29.6	32.0
New Zealand	552	54.1	50.8	43.2	50.8	43.2	6.0	0.0	50.5	56.8
Norway (9)	888	59.1	51.8	35.8	51.8	35.8	11.8	0.6	57.8	60.3
Oman	1645	51.4	50.2	47.5	50.2	47.5	2.2	0.2	56.6	46.3
Palestinian Nat'l Auth.	1296	24.5	22.9	70.8	22.9	70.8	5.8	0.4	25.8	23.2
Portugal	756	64.0	59.9	33.8	59.9	33.8	6.2	0.1	64.9	63.0
Qatar	599	54.4	52.5	44.1	52.5	44.1	3.4	0.0	59.7	49.8
Romania	516	62.0	56.9	35.0	56.9	35.0	7.0	1.1	60.6	63.3
Saudi Arabia	1163	36.4	35.7	62.3	35.7	62.3	1.9	0.1	39.9	33.2
Singapore	408	79.6	79.6	20.4	79.6	20.4	0.0	0.0	84.6	75.6
Sweden	712	62.9	58.1	34.3	58.1	34.3	7.4	0.3	62.7	63.0
Turkiye	702	57.7	51.8	38.0	51.8	38.0	10.2	0.0	56.6	59.2
United Arab Emirates	5316	64.1	63.1	35.3	63.1	35.3	1.5	0.1	65.0	63.1
United States	1157	72.6	71.8	27.1	71.8	27.1	1.1	0.0	78.1	67.3
Uzbekistan	607	33.4	29.5	58.9	29.5	58.9	11.5	0.1	33.0	33.8
International Avg. (40)	39195	60.1	56.3	36.9	56.3	36.9	6.7	0.1	60.7	59.6
Abu Dhabi, UAE	2409	57.1	56.2	42.3	56.2	42.3	1.5	0.1	59.4	54.8
Dubai, UAE	1152	77.5	76.3	22.2	76.3	22.2	1.6	0.0	74.9	79.8
Sharjah, UAE	899	65.9	64.7	33.5	64.7	33.5	1.6	0.1	66.3	65.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME3_09B ME82502B: Coordinates of points on line with M - Point P - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	54.3	51.9	43.6	51.9	43.6	4.2	0.2	53.3	55.5
Austria	650	68.7	65.9	30.0	65.9	30.0	4.0	0.1	67.9	69.4
Azerbaijan	877	52.1	39.7	36.4	39.7	36.4	23.8	0.1	55.2	49.3
Bahrain	719	48.7	46.6	49.1	46.6	49.1	4.3	0.0	54.5	43.1
Brazil	3166	13.1	10.6	70.7	10.6	70.7	18.3	0.3	11.8	14.4
Chile	632	37.5	31.6	52.7	31.6	52.7	15.4	0.3	35.8	38.9
Chinese Taipei	474	78.2	76.9	21.4	76.9	21.4	1.8	0.0	79.6	76.9
Cyprus	580	58.5	52.2	37.0	52.2	37.0	10.4	0.4	59.3	57.6
Czech Republic	1139	51.3	45.4	43.1	45.4	43.1	11.5	0.0	47.9	54.4
England	604	70.1	64.8	27.6	64.8	27.6	7.6	0.0	64.5	75.9
Finland	801	64.8	61.3	33.3	61.3	33.3	5.0	0.4	67.1	62.5
France	631	54.2	46.2	39.1	46.2	39.1	14.8	0.0	53.7	54.6
Georgia	676	52.0	44.0	40.6	44.0	40.6	15.5	0.0	54.2	49.7
Hong Kong SAR	639	77.9	75.5	21.4	75.5	21.4	2.9	0.3	74.9	80.8
Hungary	757	70.4	68.4	28.8	68.4	28.8	2.8	0.0	70.7	70.0
Ireland	723	48.0	44.4	48.1	44.4	48.1	7.6	0.0	48.8	47.3
Israel	726	54.3	50.2	42.3	50.2	42.3	7.5	0.0	57.3	51.5
Italy	639	60.4	55.9	36.6	55.9	36.6	7.5	0.0	60.8	60.1
Japan	334	92.1	87.8	7.6	87.8	7.6	4.6	0.0	92.2	92.0
Jordan	1398	27.9	25.6	66.1	25.6	66.1	8.2	0.1	33.3	22.5
Kazakhstan	891	44.9	40.3	49.5	40.3	49.5	10.2	0.0	49.7	41.0
Korea, Rep. of	366	75.2	73.4	24.2	73.4	24.2	2.5	0.0	76.4	74.2
Lithuania	750	64.3	59.4	33.0	59.4	33.0	7.3	0.2	64.9	63.7
Malaysia	1229	26.3	25.8	72.3	25.8	72.3	1.8	0.0	25.7	27.0
Malta	553	59.7	56.4	38.1	56.4	38.1	5.5	0.0	61.3	58.0
Morocco	1731	20.3	16.2	63.7	16.2	63.7	20.0	0.0	19.1	21.5
New Zealand	552	47.8	44.8	48.8	44.8	48.8	6.4	0.0	40.6	53.4
Norway (9)	887	51.5	44.1	41.6	44.1	41.6	13.8	0.6	48.2	54.4
Oman	1644	47.9	46.1	50.2	46.1	50.2	3.6	0.2	54.8	41.1
Palestinian Nat'l Auth.	1297	13.1	11.8	78.3	11.8	78.3	9.4	0.4	13.8	12.5
Portugal	756	57.6	53.4	39.2	53.4	39.2	7.3	0.1	58.4	57.0
Qatar	599	50.7	48.7	47.4	48.7	47.4	3.9	0.0	55.5	46.5
Romania	516	49.5	44.9	45.7	44.9	45.7	8.2	1.1	53.2	45.7
Saudi Arabia	1162	32.5	31.2	64.8	31.2	64.8	3.9	0.1	34.7	30.5
Singapore	408	75.5	75.3	24.5	75.3	24.5	0.3	0.0	78.0	73.5
Sweden	712	54.4	49.7	41.6	49.7	41.6	8.4	0.3	52.1	56.3
Turkiye	701	50.1	43.8	43.6	43.8	43.6	12.6	0.0	49.0	51.5
United Arab Emirates	5316	56.6	55.3	42.4	55.3	42.4	2.2	0.1	57.4	55.8
United States	1157	68.3	67.6	31.3	67.6	31.3	1.1	0.0	73.6	63.3
Uzbekistan	606	23.0	19.5	65.1	19.5	65.1	15.3	0.1	21.5	24.6
International Avg. (40)	39192	52.6	48.8	43.0	48.8	43.0	8.0	0.1	53.3	51.9
Abu Dhabi, UAE	2409	48.8	47.8	50.0	47.8	50.0	2.1	0.1	50.0	47.6
Dubai, UAE	1152	70.0	68.5	29.4	68.5	29.4	2.1	0.0	68.8	71.0
Sharjah, UAE	899	59.1	57.7	39.9	57.7	39.9	2.3	0.1	59.9	58.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Knowing

B_ME3_10 ME82402: Expression equivalent to a parenthetical expansion - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	47.0	5.1	46.4	34.0	13.1	1.0	0.3	45.9	48.3
Austria	650	59.9	2.1	59.7	26.9	10.9	0.3	0.1	62.2	57.7
Azerbaijan	877	67.3	5.5	66.2	17.8	8.8	1.4	0.2	64.5	70.1
Bahrain	719	44.4	6.6	44.2	36.8	12.0	0.4	0.0	40.9	47.9
Brazil	3170	42.8	8.3	42.2	34.3	13.8	1.0	0.4	41.2	44.5
Chile	632	34.8	4.6	33.2	46.5	11.2	4.2	0.3	32.3	37.1
Chinese Taipei	474	84.5	1.7	84.5	10.2	3.6	0.0	0.0	85.8	83.2
Cyprus	580	69.0	0.9	68.2	22.6	7.2	0.4	0.8	72.0	65.8
Czech Republic	1139	60.9	3.5	60.3	26.5	8.8	1.0	0.0	59.7	61.9
England	604	64.4	3.1	63.5	19.2	12.7	1.5	0.0	57.9	71.2
Finland	801	48.4	3.5	47.5	36.0	11.1	1.5	0.4	47.6	49.3
France	632	45.6	3.3	44.0	38.3	10.9	3.6	0.0	46.4	44.9
Georgia	677	59.9	4.6	59.5	22.1	13.0	0.7	0.0	60.0	59.9
Hong Kong SAR	639	81.7	0.5	81.0	13.2	4.4	0.6	0.3	82.9	80.6
Hungary	758	63.8	3.0	63.7	22.7	10.4	0.1	0.0	62.4	65.3
Ireland	723	52.6	3.6	52.3	30.8	12.7	0.6	0.0	51.3	53.8
Israel	726	75.9	2.5	75.1	11.3	10.0	1.1	0.0	77.5	74.4
Italy	639	58.1	4.6	57.7	29.4	7.6	0.7	0.0	54.3	61.4
Japan	334	85.8	0.3	85.5	6.5	7.3	0.3	0.0	83.0	88.6
Jordan	1398	48.1	8.4	47.9	24.6	18.9	0.0	0.2	51.7	44.7
Kazakhstan	892	55.7	5.8	55.1	25.9	12.2	1.0	0.1	57.7	54.0
Korea, Rep. of	366	86.0	1.7	85.7	9.6	2.7	0.4	0.0	88.6	83.7
Lithuania	750	62.9	3.3	62.6	24.7	9.0	0.2	0.2	62.8	62.9
Malaysia	1229	46.3	6.8	46.2	32.8	14.1	0.2	0.0	47.3	45.2
Malta	553	59.9	3.2	59.4	23.3	13.1	1.0	0.0	60.9	59.0
Morocco	1732	42.8	5.5	42.4	35.2	16.0	0.8	0.0	44.8	40.7
New Zealand	552	41.3	5.2	41.1	36.1	17.3	0.3	0.0	44.0	39.1
Norway (9)	888	42.3	5.4	40.5	39.3	10.6	3.4	0.8	39.5	44.8
Oman	1647	54.9	6.5	54.4	21.9	16.4	0.7	0.2	57.9	52.0
Palestinian Nat'l Auth.	1302	49.8	9.5	49.3	25.0	15.3	0.4	0.6	51.5	48.0
Portugal	756	51.7	3.1	51.5	31.9	13.1	0.2	0.1	52.1	51.3
Qatar	599	59.4	6.2	59.4	19.2	15.2	0.1	0.0	59.5	59.4
Romania	516	73.3	4.6	72.3	15.7	6.1	0.2	1.1	72.4	74.3
Saudi Arabia	1165	41.3	9.5	41.2	38.4	10.5	0.3	0.1	47.1	36.0
Singapore	408	88.8	0.7	88.8	8.3	2.1	0.0	0.0	92.0	86.3
Sweden	712	51.7	3.1	51.0	35.6	8.8	1.2	0.3	48.7	54.5
Turkiye	702	65.2	4.7	64.1	13.9	15.7	1.6	0.0	68.9	60.7
United Arab Emirates	5316	63.3	4.5	63.0	20.8	11.2	0.5	0.1	61.7	64.9
United States	1157	61.9	4.9	61.7	23.4	9.7	0.3	0.0	65.8	58.1
Uzbekistan	607	46.0	7.2	45.7	30.3	16.1	0.7	0.1	45.5	46.6
International Avg. (40)	39215	58.5	4.4	57.9	25.5	11.1	0.8	0.2	58.7	58.3
Abu Dhabi, UAE	2409	57.5	5.1	57.2	23.0	14.1	0.5	0.1	57.7	57.4
Dubai, UAE	1152	75.5	2.3	75.4	15.5	6.6	0.1	0.0	72.1	78.7
Sharjah, UAE	899	67.1	5.5	66.6	17.8	9.4	0.6	0.1	66.0	68.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Applying

B_ME3_11 ME82410: How much do the balls on the balanced scale weigh - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1193	78.9	78.1	20.9	78.1	20.9	0.7	0.3	73.9	83.8
Austria	650	86.1	85.3	13.7	85.3	13.7	0.9	0.1	85.8	86.5
Azerbaijan	877	63.2	61.1	35.5	61.1	35.5	3.2	0.2	57.9	68.2
Bahrain	719	44.3	44.0	55.2	44.0	55.2	0.9	0.0	42.2	46.4
Brazil	3167	49.4	48.0	49.2	48.0	49.2	2.5	0.4	47.4	51.5
Chile	631	68.0	66.4	31.2	66.4	31.2	2.1	0.3	62.1	73.4
Chinese Taipei	474	89.6	89.3	10.4	89.3	10.4	0.3	0.0	87.4	91.7
Cyprus	580	80.3	78.7	19.3	78.7	19.3	1.2	0.8	79.5	81.1
Czech Republic	1139	85.1	85.1	14.8	85.1	14.8	0.1	0.0	83.5	86.7
England	604	76.4	75.4	23.3	75.4	23.3	1.3	0.0	71.8	81.2
Finland	801	89.8	88.9	10.1	88.9	10.1	0.5	0.4	89.9	89.6
France	632	76.8	74.9	22.6	74.9	22.6	2.5	0.0	73.8	79.5
Georgia	676	69.0	67.4	30.3	67.4	30.3	2.3	0.0	67.1	70.8
Hong Kong SAR	639	84.9	84.3	15.0	84.3	15.0	0.5	0.3	85.7	84.2
Hungary	758	81.4	81.0	18.6	81.0	18.6	0.4	0.0	80.8	82.0
Ireland	723	81.7	81.3	18.3	81.3	18.3	0.4	0.0	79.1	84.0
Israel	726	79.7	78.9	20.1	78.9	20.1	1.0	0.0	80.6	78.8
Italy	639	82.0	81.6	18.0	81.6	18.0	0.5	0.0	79.7	83.9
Japan	334	91.0	88.7	8.7	88.7	8.7	2.5	0.0	87.6	94.3
Jordan	1397	39.1	38.7	60.4	38.7	60.4	0.6	0.2	38.2	39.9
Kazakhstan	892	74.1	73.3	25.7	73.3	25.7	0.9	0.1	73.4	74.6
Korea, Rep. of	366	81.8	81.5	18.2	81.5	18.2	0.4	0.0	80.4	83.0
Lithuania	750	82.1	81.1	17.7	81.1	17.7	1.0	0.2	84.2	80.0
Malaysia	1229	40.6	40.5	59.3	40.5	59.3	0.2	0.0	38.1	43.4
Malta	553	74.3	73.8	25.5	73.8	25.5	0.7	0.0	74.2	74.4
Morocco	1732	30.5	30.0	68.3	30.0	68.3	1.6	0.1	28.6	32.5
New Zealand	552	78.7	78.2	21.2	78.2	21.2	0.6	0.0	74.0	82.3
Norway (9)	888	86.5	84.6	13.2	84.6	13.2	1.4	0.8	86.6	86.5
Oman	1647	36.3	35.8	62.9	35.8	62.9	1.0	0.2	36.7	36.0
Palestinian Nat'l Auth.	1301	35.6	35.1	63.5	35.1	63.5	0.7	0.7	36.3	35.0
Portugal	756	76.3	75.4	23.5	75.4	23.5	1.0	0.1	75.5	77.0
Qatar	599	56.8	56.2	42.8	56.2	42.8	1.0	0.0	55.3	58.0
Romania	515	69.6	68.6	29.9	68.6	29.9	0.4	1.1	69.4	69.9
Saudi Arabia	1164	41.3	40.9	58.2	40.9	58.2	0.7	0.1	38.4	43.9
Singapore	408	92.5	92.5	7.5	92.5	7.5	0.0	0.0	92.6	92.4
Sweden	711	88.0	87.0	11.9	87.0	11.9	0.8	0.3	88.8	87.3
Turkiye	702	79.2	78.4	20.7	78.4	20.7	0.9	0.0	78.5	79.9
United Arab Emirates	5316	62.0	61.7	37.8	61.7	37.8	0.4	0.1	59.0	65.1
United States	1157	71.6	71.3	28.2	71.3	28.2	0.4	0.1	68.9	74.3
Uzbekistan	607	52.0	51.7	47.7	51.7	47.7	0.6	0.1	48.6	55.7
International Avg. (40)	39204	70.2	69.4	29.5	69.4	29.5	1.0	0.2	68.5	71.7
Abu Dhabi, UAE	2409	53.7	53.3	46.0	53.3	46.0	0.5	0.1	51.6	55.7
Dubai, UAE	1152	79.5	79.3	20.5	79.3	20.5	0.2	0.0	74.6	84.2
Sharjah, UAE	899	64.3	64.0	35.6	64.0	35.6	0.3	0.1	61.5	67.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Reasoning

B_ME3_12 ME82725: Vertical axis increments based on rules - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	74.1	72.1	25.2	72.1	25.2	2.4	0.3	71.8	76.5
Austria	650	77.2	72.7	21.5	72.7	21.5	5.7	0.1	80.0	74.6
Azerbaijan	877	45.9	38.4	45.3	38.4	45.3	16.0	0.3	44.9	46.8
Bahrain	719	43.9	43.0	54.9	43.0	54.9	2.1	0.0	46.5	41.4
Brazil	3168	34.8	31.9	59.7	31.9	59.7	7.9	0.4	31.5	38.2
Chile	632	54.3	49.2	41.5	49.2	41.5	9.0	0.3	47.0	60.8
Chinese Taipei	474	87.4	87.0	12.5	87.0	12.5	0.5	0.0	86.2	88.7
Cyprus	580	68.1	63.1	29.5	63.1	29.5	6.6	0.8	65.0	71.6
Czech Republic	1139	74.3	71.8	24.8	71.8	24.8	3.5	0.0	72.7	75.9
England	604	79.2	76.1	19.9	76.1	19.9	4.0	0.0	75.9	82.7
Finland	801	74.0	70.6	24.8	70.6	24.8	4.2	0.4	75.3	72.8
France	632	74.8	69.1	23.3	69.1	23.3	7.6	0.0	77.1	72.8
Georgia	677	42.1	38.3	52.7	38.3	52.7	9.0	0.0	43.7	40.6
Hong Kong SAR	639	84.9	83.8	14.9	83.8	14.9	1.0	0.3	85.1	84.8
Hungary	758	69.9	69.2	29.8	69.2	29.8	1.0	0.0	66.3	73.6
Ireland	723	75.5	73.6	23.9	73.6	23.9	2.6	0.0	76.6	74.5
Israel	726	65.1	61.0	32.7	61.0	32.7	6.3	0.0	65.4	64.8
Italy	639	71.3	69.4	28.0	69.4	28.0	2.4	0.1	68.2	73.9
Japan	334	90.5	89.2	9.4	89.2	9.4	1.1	0.3	89.6	91.3
Jordan	1398	19.7	19.2	77.9	19.2	77.9	2.6	0.3	17.0	22.3
Kazakhstan	892	49.7	47.0	47.6	47.0	47.6	5.4	0.1	52.0	47.9
Korea, Rep. of	366	88.5	87.6	11.4	87.6	11.4	1.0	0.1	90.4	86.8
Lithuania	750	75.4	73.0	23.9	73.0	23.9	2.9	0.2	75.4	75.3
Malaysia	1229	40.0	39.8	59.7	39.8	59.7	0.5	0.0	39.8	40.2
Malta	553	69.0	65.8	29.6	65.8	29.6	4.6	0.0	68.8	69.1
Morocco	1732	26.5	23.3	64.5	23.3	64.5	12.1	0.2	26.3	26.8
New Zealand	552	76.8	75.1	22.7	75.1	22.7	2.1	0.0	76.8	76.7
Norway (9)	888	72.0	68.0	26.4	68.0	26.4	4.7	0.9	75.1	69.1
Oman	1646	38.7	37.7	59.8	37.7	59.8	2.2	0.4	39.7	37.6
Palestinian Nat'l Auth.	1302	22.5	21.7	74.6	21.7	74.6	3.0	0.7	23.2	21.8
Portugal	756	66.3	64.0	32.6	64.0	32.6	3.3	0.1	63.2	69.2
Qatar	599	43.4	41.9	54.6	41.9	54.6	3.5	0.0	40.7	45.8
Romania	516	57.5	54.4	40.3	54.4	40.3	4.2	1.1	54.2	60.9
Saudi Arabia	1165	33.4	32.9	65.7	32.9	65.7	1.3	0.1	33.4	33.4
Singapore	408	83.9	83.7	16.0	83.7	16.0	0.3	0.0	83.2	84.5
Sweden	712	78.0	74.4	21.0	74.4	21.0	4.3	0.3	80.0	76.1
Turkiye	702	61.5	58.5	36.6	58.5	36.6	4.8	0.0	64.6	57.9
United Arab Emirates	5316	59.5	58.5	39.8	58.5	39.8	1.6	0.1	58.1	60.8
United States	1157	70.3	69.7	29.4	69.7	29.4	0.6	0.2	69.7	71.1
Uzbekistan	607	20.2	18.8	74.4	18.8	74.4	6.7	0.1	15.7	24.9
International Avg. (40)	39212	61.0	58.6	37.1	58.6	37.1	4.1	0.2	60.4	61.6
Abu Dhabi, UAE	2409	50.8	49.9	48.2	49.9	48.2	1.7	0.1	50.1	51.6
Dubai, UAE	1152	76.8	75.8	22.9	75.8	22.9	1.3	0.0	74.4	78.9
Sharjah, UAE	899	60.4	59.2	38.8	59.2	38.8	1.9	0.1	59.6	61.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_ME3_13 ME82315: A given percent of 27 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	39.5	37.4	57.2	37.4	57.2	5.1	0.3	34.8	43.9
Austria	650	53.0	50.4	44.7	50.4	44.7	4.9	0.1	54.5	51.6
Azerbaijan	876	55.9	52.4	41.4	52.4	41.4	5.8	0.3	59.0	52.9
Bahrain	719	24.5	23.5	72.3	23.5	72.3	4.2	0.0	25.8	23.3
Brazil	3164	16.4	14.7	74.7	14.7	74.7	10.0	0.5	15.7	17.2
Chile	632	26.4	22.1	61.8	22.1	61.8	15.7	0.3	23.7	28.7
Chinese Taipei	474	80.5	79.5	19.2	79.5	19.2	1.2	0.0	81.7	79.4
Cyprus	580	29.5	26.5	63.4	26.5	63.4	9.4	0.8	26.5	32.5
Czech Republic	1139	57.5	55.3	40.9	55.3	40.9	3.9	0.0	52.2	62.5
England	604	69.0	64.0	28.8	64.0	28.8	7.2	0.0	65.7	72.2
Finland	801	41.3	39.0	55.6	39.0	55.6	4.7	0.7	38.6	43.9
France	630	38.0	31.7	51.9	31.7	51.9	16.4	0.0	37.7	38.2
Georgia	675	50.0	45.9	45.9	45.9	45.9	8.3	0.0	49.2	50.8
Hong Kong SAR	638	78.7	77.0	20.9	77.0	20.9	1.8	0.3	80.3	77.1
Hungary	758	58.2	55.8	40.2	55.8	40.2	4.0	0.0	56.5	59.8
Ireland	723	54.4	50.0	42.0	50.0	42.0	8.0	0.0	46.0	61.5
Israel	726	47.8	43.2	47.2	43.2	47.2	9.6	0.0	47.4	48.1
Italy	638	47.2	43.3	48.6	43.3	48.6	8.0	0.1	46.6	47.7
Japan	334	69.1	67.9	30.3	67.9	30.3	1.5	0.3	65.4	72.7
Jordan	1397	12.1	11.8	85.8	11.8	85.8	2.1	0.3	13.5	10.8
Kazakhstan	891	32.5	31.1	64.5	31.1	64.5	4.3	0.1	33.0	32.1
Korea, Rep. of	366	59.7	58.3	39.3	58.3	39.3	2.4	0.1	60.5	59.1
Lithuania	750	50.1	45.7	45.5	45.7	45.5	8.6	0.2	48.2	51.8
Malaysia	1229	17.5	17.3	81.5	17.3	81.5	1.2	0.0	17.3	17.9
Malta	553	55.3	52.3	42.2	52.3	42.2	5.6	0.0	56.9	53.9
Morocco	1730	15.7	14.1	75.8	14.1	75.8	9.8	0.3	16.1	15.2
New Zealand	552	34.5	33.6	63.8	33.6	63.8	2.6	0.0	28.4	39.2
Norway (9)	888	38.1	33.8	54.9	33.8	54.9	10.2	1.1	34.7	41.1
Oman	1646	31.0	30.2	67.0	30.2	67.0	2.4	0.4	36.6	25.6
Palestinian Nat'l Auth.	1298	11.4	11.0	85.1	11.0	85.1	3.0	0.9	12.9	10.0
Portugal	755	32.0	29.2	61.9	29.2	61.9	8.8	0.1	29.6	34.3
Qatar	599	31.5	29.8	64.9	29.8	64.9	5.4	0.0	27.1	35.1
Romania	516	61.0	58.5	37.4	58.5	37.4	3.0	1.1	61.9	60.0
Saudi Arabia	1165	23.1	22.9	76.2	22.9	76.2	0.7	0.1	22.2	24.0
Singapore	408	80.7	80.5	19.2	80.5	19.2	0.2	0.0	83.9	78.2
Sweden	712	58.0	54.7	39.6	54.7	39.6	5.5	0.3	56.8	58.9
Turkiye	702	41.7	38.4	53.8	38.4	53.8	7.7	0.0	40.5	43.1
United Arab Emirates	5312	52.8	51.9	46.3	51.9	46.3	1.6	0.2	50.7	54.9
United States	1156	31.1	30.6	67.8	30.6	67.8	1.3	0.2	28.5	33.8
Uzbekistan	607	31.9	30.5	65.1	30.5	65.1	4.3	0.1	30.4	33.5
International Avg. (40)	39187	43.5	41.1	53.1	41.1	53.1	5.5	0.2	42.4	44.4
Abu Dhabi, UAE	2407	43.4	42.7	55.6	42.7	55.6	1.5	0.2	42.0	44.8
Dubai, UAE	1152	72.4	71.3	27.2	71.3	27.2	1.4	0.1	67.9	76.8
Sharjah, UAE	897	57.4	56.1	41.7	56.1	41.7	2.0	0.2	55.3	59.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

B_ME4_01 ME62001: 276 x 85 is equal to - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	47.7	15.4	47.2	24.4	12.0	0.3	0.8	48.1	47.5
Austria	646	52.1	10.1	51.2	23.5	13.5	1.7	0.0	56.0	48.8
Azerbaijan	875	47.0	18.7	45.9	21.3	11.7	2.2	0.3	44.9	49.2
Bahrain	728	49.0	14.2	48.5	27.0	9.2	1.2	0.0	49.2	48.9
Brazil	3197	40.5	14.7	39.4	29.0	14.2	2.5	0.3	39.5	41.5
Chile	644	43.8	13.9	41.5	24.1	15.4	4.6	0.5	40.0	46.8
Chinese Taipei	474	66.0	6.9	66.0	17.8	9.4	0.0	0.0	64.5	67.3
Cyprus	587	49.2	11.5	48.7	26.4	12.4	1.0	0.0	51.3	47.3
Czech Republic	1147	63.1	8.2	62.0	17.8	10.2	1.8	0.0	60.6	65.3
England	604	48.0	13.9	47.3	22.8	14.5	1.3	0.1	43.7	52.2
Finland	811	45.4	13.0	44.5	28.0	12.5	1.7	0.3	46.0	44.8
France	633	41.7	12.3	41.1	29.6	15.6	1.4	0.0	38.2	45.1
Georgia	687	43.1	14.1	42.0	28.7	12.5	2.7	0.0	43.1	43.2
Hong Kong SAR	622	69.6	7.9	68.7	14.8	7.3	1.0	0.3	63.5	76.4
Hungary	765	61.6	8.9	61.3	17.2	12.2	0.5	0.0	62.2	61.0
Ireland	703	57.7	11.1	57.6	21.3	9.8	0.2	0.0	53.8	60.9
Israel	732	60.3	10.3	59.5	19.7	9.3	0.8	0.4	58.5	62.0
Italy	646	54.5	12.1	54.1	21.8	11.3	0.6	0.0	52.5	56.5
Japan	330	64.3	8.4	63.8	15.3	11.7	0.8	0.0	62.4	66.2
Jordan	1402	38.9	18.0	38.7	27.0	15.8	0.6	0.0	38.2	39.5
Kazakhstan	885	57.3	12.8	57.0	19.7	9.9	0.5	0.1	56.0	58.5
Korea, Rep. of	364	64.2	7.7	64.2	18.1	10.1	0.0	0.0	62.4	66.1
Lithuania	758	54.4	11.5	54.1	23.6	10.3	0.5	0.0	51.0	57.7
Malaysia	1245	52.3	14.1	52.2	21.8	11.7	0.2	0.0	52.1	52.4
Malta	561	52.2	11.8	51.7	25.8	9.7	0.7	0.2	53.3	51.0
Morocco	1727	35.7	10.6	35.1	34.4	18.1	1.7	0.1	36.2	35.2
New Zealand	532	39.6	18.3	39.0	27.1	14.3	1.4	0.0	37.6	41.3
Norway (9)	889	49.8	13.8	48.4	22.4	12.7	2.0	0.7	49.7	49.8
Oman	1638	48.9	12.2	48.1	24.8	13.2	1.6	0.1	47.3	50.4
Palestinian Nat'l Auth.	1301	42.1	16.2	41.5	27.0	13.9	1.3	0.0	41.7	42.4
Portugal	763	50.5	13.1	49.9	21.9	14.0	1.0	0.0	46.2	54.6
Qatar	596	49.3	15.8	48.8	20.7	13.7	0.8	0.1	45.5	53.0
Romania	534	59.0	12.1	58.5	19.1	9.5	0.6	0.2	56.6	61.4
Saudi Arabia	1174	39.2	19.1	39.1	25.9	15.7	0.2	0.1	39.0	39.3
Singapore	403	64.9	10.1	64.9	14.1	11.0	0.0	0.0	64.3	65.3
Sweden	711	51.1	12.4	50.1	24.8	10.8	1.9	0.0	47.0	55.6
Turkiye	691	47.3	11.3	46.5	27.3	13.2	1.7	0.0	44.2	50.3
United Arab Emirates	5305	59.5	11.4	58.9	18.0	10.7	0.9	0.2	60.8	58.2
United States	1154	49.6	16.1	49.2	20.3	13.7	0.5	0.3	49.8	49.6
Uzbekistan	608	45.7	11.6	45.2	28.8	13.2	0.8	0.4	42.8	48.5
International Avg. (40)	39267	51.4	12.6	50.8	23.1	12.2	1.1	0.1	50.0	52.8
Abu Dhabi, UAE	2426	58.4	11.5	57.7	18.4	11.1	1.1	0.2	60.2	56.6
Dubai, UAE	1156	67.2	9.5	66.5	14.2	8.8	1.0	0.0	66.4	67.9
Sharjah, UAE	876	58.0	12.6	57.6	19.2	10.0	0.5	0.0	59.3	56.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_ME4_02 ME62214: Ahmed buys ice cream and a book - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	52.0	50.5	46.6	50.5	46.6	2.0	0.8	45.6	57.0
Austria	646	53.9	51.7	44.3	51.7	44.3	4.0	0.0	51.3	56.1
Azerbaijan	875	35.9	34.1	60.8	34.1	60.8	4.7	0.4	31.3	40.5
Bahrain	726	22.6	22.0	75.3	22.0	75.3	2.6	0.0	20.9	24.2
Brazil	3194	14.0	13.3	81.6	13.3	81.6	4.7	0.4	11.7	16.2
Chile	644	24.4	21.5	66.8	21.5	66.8	11.0	0.8	19.4	28.1
Chinese Taipei	474	65.3	64.8	34.3	64.8	34.3	0.9	0.0	62.3	68.0
Cyprus	587	42.7	41.6	55.9	41.6	55.9	2.3	0.2	36.6	48.1
Czech Republic	1146	47.6	46.0	50.7	46.0	50.7	3.3	0.0	39.0	54.8
England	493	48.6	46.6	49.2	46.6	49.2	4.0	0.1	40.7	56.2
Finland	809	53.8	51.6	44.3	51.6	44.3	3.8	0.3	51.0	56.5
France	632	38.4	37.4	60.0	37.4	60.0	2.6	0.0	34.8	41.9
Georgia	688	31.6	28.2	61.2	28.2	61.2	10.1	0.5	27.9	34.9
Hong Kong SAR	620	60.6	59.7	38.9	59.7	38.9	1.2	0.3	58.2	63.2
Hungary	765	37.8	37.4	61.6	37.4	61.6	1.0	0.0	29.4	45.7
Ireland	703	51.5	50.6	47.7	50.6	47.7	1.7	0.0	44.6	57.2
Israel	731	43.0	41.5	55.1	41.5	55.1	2.9	0.4	33.8	51.8
Italy	646	34.5	33.7	64.0	33.7	64.0	2.3	0.0	30.2	38.8
Japan	132	59.2	58.7	40.5	58.7	40.5	0.8	0.0	59.3	59.0
Jordan	1402	16.3	16.2	83.2	16.2	83.2	0.7	0.0	16.0	16.6
Kazakhstan	885	28.3	27.4	69.7	27.4	69.7	2.8	0.1	24.3	32.0
Korea, Rep. of	364	62.5	62.0	37.2	62.0	37.2	0.8	0.0	57.5	68.0
Lithuania	758	41.6	40.8	57.3	40.8	57.3	1.9	0.0	37.0	46.2
Malaysia	1245	12.1	12.1	87.5	12.1	87.5	0.5	0.0	9.8	14.5
Malta	447	27.0	25.9	70.0	25.9	70.0	3.9	0.2	23.0	31.3
Morocco	1725	7.8	7.5	88.8	7.5	88.8	3.6	0.1	9.0	6.5
New Zealand	532	39.9	39.0	58.6	39.0	58.6	2.1	0.3	39.7	40.3
Norway (9)	889	55.9	53.3	42.0	53.3	42.0	4.1	0.7	55.9	56.0
Oman	1557	18.5	18.0	79.8	18.0	79.8	2.1	0.1	18.0	18.9
Palestinian Nat'l Auth.	1297	18.5	18.4	81.1	18.4	81.1	0.4	0.0	18.4	18.7
Portugal	763	32.6	31.5	65.2	31.5	65.2	3.3	0.0	29.2	35.9
Qatar	490	21.9	21.5	76.7	21.5	76.7	1.7	0.1	19.9	23.9
Romania	534	44.2	42.8	54.1	42.8	54.1	2.9	0.2	42.0	46.4
Saudi Arabia	1173	19.0	18.9	80.4	18.9	80.4	0.6	0.1	15.3	22.5
Singapore	403	68.2	68.2	31.8	68.2	31.8	0.0	0.0	61.6	73.8
Sweden	711	56.9	54.9	41.5	54.9	41.5	3.2	0.3	51.1	63.4
Turkiye	691	49.8	49.0	49.3	49.0	49.3	1.7	0.0	46.5	53.2
United Arab Emirates	4641	28.2	27.7	70.8	27.7	70.8	1.2	0.3	23.1	33.0
United States	1154	37.6	37.0	61.4	37.0	61.4	1.3	0.3	32.5	42.3
Uzbekistan	607	32.1	31.5	66.7	31.5	66.7	1.2	0.5	27.7	36.2
International Avg. (40)	37974	38.4	37.4	59.8	37.4	59.8	2.7	0.2	34.6	41.9
Abu Dhabi, UAE	2217	21.2	20.8	77.6	20.8	77.6	1.3	0.4	16.8	25.4
Dubai, UAE	913	43.7	43.0	55.5	43.0	55.5	1.5	0.1	36.7	50.0
Sharjah, UAE	753	30.3	29.9	68.7	29.9	68.7	1.3	0.2	24.6	35.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME4_03 ME62146: Find percent of fir trees in a park given a ratio - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	47.7	47.2	16.9	26.6	8.2	0.2	0.9	45.8	49.0
Austria	646	25.5	25.5	17.5	50.7	6.3	0.0	0.0	25.5	25.5
Azerbaijan	875	34.5	33.6	16.9	33.7	13.2	2.1	0.4	30.2	38.7
Bahrain	728	21.0	20.9	39.7	29.3	9.7	0.4	0.0	16.1	25.7
Brazil	3197	16.0	15.7	42.0	31.9	8.9	1.0	0.5	15.4	16.6
Chile	644	20.6	19.9	23.8	41.5	11.4	2.1	1.4	14.1	26.0
Chinese Taipei	474	71.6	71.4	9.8	13.4	5.1	0.3	0.0	69.3	73.7
Cyprus	587	26.2	26.1	25.1	38.6	9.7	0.2	0.4	24.8	27.6
Czech Republic	1147	51.1	51.0	17.6	24.5	6.6	0.4	0.0	52.2	50.3
England	604	55.4	55.1	17.2	18.8	8.4	0.3	0.2	53.0	57.8
Finland	811	31.7	31.1	10.9	49.7	6.4	1.6	0.3	33.2	30.2
France	633	20.3	20.1	28.0	43.9	7.3	0.7	0.0	16.8	23.6
Georgia	688	30.9	30.3	25.6	27.9	14.4	1.4	0.5	31.9	29.9
Hong Kong SAR	622	61.1	60.4	9.3	23.6	5.6	0.9	0.3	56.2	66.6
Hungary	765	45.9	45.9	23.3	24.5	6.2	0.0	0.0	39.8	51.8
Ireland	703	53.5	53.5	17.2	24.7	4.6	0.0	0.0	54.2	52.9
Israel	733	22.1	21.7	24.0	38.2	14.4	0.9	0.8	22.0	22.2
Italy	646	29.4	29.3	22.6	39.9	7.8	0.4	0.0	23.0	36.0
Japan	330	75.3	75.3	13.2	7.0	4.5	0.0	0.0	71.3	79.5
Jordan	1402	19.4	19.3	32.8	30.3	17.2	0.5	0.0	18.5	20.1
Kazakhstan	885	24.6	24.5	28.4	39.1	7.6	0.4	0.1	19.2	29.6
Korea, Rep. of	364	82.0	82.0	5.5	7.8	4.7	0.0	0.0	85.3	78.3
Lithuania	758	48.3	48.1	20.6	26.9	4.1	0.3	0.0	50.0	46.5
Malaysia	1245	31.1	31.1	40.3	20.2	8.4	0.1	0.0	28.3	33.9
Malta	561	33.2	33.1	27.7	31.8	7.1	0.2	0.2	32.6	33.8
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	532	36.7	36.4	27.4	29.7	5.7	0.5	0.3	32.3	40.4
Norway (9)	889	24.7	24.3	13.9	51.5	8.6	0.9	0.7	22.7	26.3
Oman	1638	20.7	20.4	41.3	26.3	10.4	1.2	0.3	15.8	25.3
Palestinian Nat'l Auth.	1301	20.8	20.6	39.3	26.5	13.0	0.6	0.0	19.5	22.0
Portugal	763	16.5	16.4	30.5	47.0	5.4	0.5	0.1	13.4	19.5
Qatar	596	26.8	26.7	30.5	32.7	9.7	0.1	0.3	22.3	31.3
Romania	534	26.8	26.5	22.6	42.1	7.7	0.9	0.2	25.8	27.8
Saudi Arabia	1174	14.7	14.7	36.4	39.0	9.6	0.2	0.1	11.6	17.7
Singapore	403	77.3	77.3	7.6	7.5	7.6	0.0	0.0	74.0	80.1
Sweden	711	21.9	21.5	19.6	52.2	5.1	1.3	0.3	18.9	25.2
Turkiye	691	32.7	32.3	17.7	40.7	8.1	1.1	0.0	31.4	33.9
United Arab Emirates	5305	33.9	33.6	24.8	32.4	8.3	0.6	0.3	29.4	38.3
United States	1154	38.1	37.6	22.0	32.2	6.9	0.6	0.6	34.0	42.1
Uzbekistan	608	27.7	27.0	24.1	33.6	12.8	1.6	0.7	28.1	27.3
International Avg. (39)	37542	35.8	35.6	23.4	31.7	8.4	0.6	0.3	33.5	38.0
Abu Dhabi, UAE	2426	28.7	28.4	28.4	33.8	8.4	0.6	0.4	25.0	32.3
Dubai, UAE	1156	50.6	50.2	16.1	25.3	7.6	0.6	0.1	44.6	56.2
Sharjah, UAE	876	29.7	29.5	24.0	38.1	7.8	0.5	0.2	26.5	32.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME4_04 ME62154: Number of eggs Minji needs to bake cookies - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	63.1	61.9	36.3	61.9	36.3	0.9	0.9	54.9	69.8
Austria	645	65.9	64.6	33.4	64.6	33.4	2.0	0.0	61.6	69.5
Azerbaijan	875	54.1	51.4	43.7	51.4	43.7	3.9	1.1	49.3	58.7
Bahrain	727	31.6	31.0	67.1	31.0	67.1	1.9	0.0	26.1	36.8
Brazil	3194	28.0	27.2	69.7	27.2	69.7	2.5	0.5	21.2	34.7
Chile	644	38.2	35.0	56.5	35.0	56.5	7.1	1.4	28.6	45.7
Chinese Taipei	474	83.8	83.3	16.1	83.3	16.1	0.6	0.0	83.4	84.0
Cyprus	587	54.3	52.3	44.0	52.3	44.0	3.1	0.5	47.6	60.3
Czech Republic	1147	66.3	65.5	33.3	65.5	33.3	1.2	0.0	56.4	74.6
England	604	67.1	65.1	31.9	65.1	31.9	2.8	0.2	61.8	72.3
Finland	811	70.8	69.0	28.5	69.0	28.5	2.1	0.3	66.9	74.6
France	632	60.6	58.3	38.0	58.3	38.0	3.7	0.0	51.6	69.1
Georgia	688	54.4	50.4	42.2	50.4	42.2	7.0	0.5	44.8	63.9
Hong Kong SAR	622	80.3	79.8	19.5	79.8	19.5	0.4	0.3	75.3	86.0
Hungary	765	64.0	63.5	35.7	63.5	35.7	0.8	0.0	55.0	72.5
Ireland	703	70.2	69.5	29.6	69.5	29.6	0.9	0.0	62.4	76.7
Israel	733	51.7	49.7	46.5	49.7	46.5	2.9	1.0	42.1	60.8
Italy	646	57.5	56.2	41.5	56.2	41.5	2.3	0.0	45.3	69.9
Japan	329	83.3	82.8	16.6	82.8	16.6	0.6	0.0	76.3	90.7
Jordan	1402	24.9	24.8	74.9	24.8	74.9	0.4	0.0	19.6	29.8
Kazakhstan	885	45.9	45.0	53.1	45.0	53.1	1.9	0.1	41.2	50.2
Korea, Rep. of	364	85.1	84.9	14.9	84.9	14.9	0.3	0.0	83.4	87.0
Lithuania	758	66.5	65.8	33.1	65.8	33.1	1.1	0.0	60.9	72.0
Malaysia	1245	31.6	31.6	68.3	31.6	68.3	0.2	0.0	29.9	33.4
Malta	560	57.4	56.3	41.8	56.3	41.8	1.8	0.2	53.6	61.5
Morocco	1725	17.4	16.4	77.8	16.4	77.8	5.4	0.4	16.8	18.0
New Zealand	532	56.6	55.3	42.4	55.3	42.4	1.9	0.3	49.1	62.3
Norway (9)	889	70.4	68.1	28.6	68.1	28.6	2.6	0.8	67.6	72.7
Oman	1634	24.8	24.2	73.3	24.2	73.3	2.2	0.3	20.3	29.1
Palestinian Nat'l Auth.	1295	19.8	19.5	79.2	19.5	79.2	1.1	0.1	16.0	23.5
Portugal	763	56.8	55.8	42.4	55.8	42.4	1.7	0.1	52.0	61.3
Qatar	595	41.5	40.8	57.6	40.8	57.6	1.3	0.3	37.0	46.0
Romania	534	61.7	60.1	37.4	60.1	37.4	1.8	0.7	57.5	65.9
Saudi Arabia	1170	24.1	24.0	75.6	24.0	75.6	0.3	0.1	19.2	28.8
Singapore	403	84.7	84.7	15.3	84.7	15.3	0.0	0.0	83.2	86.1
Sweden	711	68.4	66.2	30.6	66.2	30.6	2.8	0.3	61.1	76.3
Turkiye	691	58.5	57.1	40.5	57.1	40.5	2.5	0.0	53.3	63.6
United Arab Emirates	5298	47.1	46.4	52.2	46.4	52.2	1.0	0.3	43.2	50.9
United States	1154	49.6	48.7	49.4	48.7	49.4	1.3	0.6	45.4	53.6
Uzbekistan	607	44.6	43.3	53.9	43.3	53.9	1.7	1.1	39.7	49.1
International Avg. (40)	39236	54.6	53.4	44.3	53.4	44.3	2.0	0.3	49.0	59.8
Abu Dhabi, UAE	2424	41.5	40.8	57.5	40.8	57.5	1.2	0.5	38.6	44.3
Dubai, UAE	1155	63.7	62.9	35.8	62.9	35.8	1.1	0.2	57.3	69.7
Sharjah, UAE	875	46.9	46.5	52.6	46.5	52.6	0.7	0.2	46.2	47.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME4_05 ME62067: Find value of x when y = 5 - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	71.7	11.0	8.3	70.3	8.4	1.2	0.9	71.9	71.7
Austria	646	76.5	12.5	5.7	75.9	5.2	0.6	0.1	80.0	73.5
Azerbaijan	875	65.2	15.8	7.1	63.5	10.9	1.5	1.1	67.2	63.3
Bahrain	728	51.9	26.2	9.0	51.7	12.7	0.2	0.2	52.6	51.3
Brazil	3197	40.5	31.4	15.9	39.7	11.1	1.1	0.8	37.8	43.0
Chile	644	53.1	20.1	14.3	50.0	9.8	4.4	1.4	50.7	55.0
Chinese Taipei	474	86.3	5.2	2.3	86.3	6.2	0.0	0.0	84.7	87.7
Cyprus	587	70.9	16.5	6.6	70.1	5.6	0.5	0.5	71.1	70.7
Czech Republic	1147	70.6	15.3	7.7	69.8	6.1	1.1	0.0	70.2	71.0
England	604	71.0	10.1	8.5	69.9	10.0	0.8	0.7	69.0	72.8
Finland	811	67.6	15.3	8.6	66.0	7.8	2.0	0.3	76.0	59.3
France	633	50.6	23.9	13.7	49.9	11.1	1.4	0.0	50.8	50.4
Georgia	688	64.4	20.0	6.9	63.0	7.9	1.6	0.5	64.2	64.6
Hong Kong SAR	622	85.6	7.0	3.5	85.2	3.8	0.3	0.3	83.5	88.0
Hungary	765	74.0	13.1	6.9	73.9	6.0	0.2	0.0	75.2	72.9
Ireland	703	70.6	13.7	8.2	70.3	7.3	0.5	0.0	68.8	72.2
Israel	733	71.7	13.2	9.5	70.2	5.1	1.0	1.0	74.2	69.2
Italy	646	67.2	15.7	8.1	66.2	8.6	1.5	0.0	67.6	66.7
Japan	330	82.0	8.0	2.4	81.4	7.5	0.7	0.0	80.0	84.0
Jordan	1402	52.4	21.9	14.3	52.3	11.3	0.1	0.1	60.5	44.7
Kazakhstan	885	54.5	25.2	8.8	54.1	11.2	0.5	0.1	57.9	51.2
Korea, Rep. of	364	85.9	3.7	3.4	85.6	7.0	0.3	0.0	89.1	82.3
Lithuania	758	68.5	16.6	7.3	68.1	7.4	0.7	0.0	74.5	62.6
Malaysia	1245	52.4	23.7	12.1	52.4	11.7	0.1	0.0	52.6	52.2
Malta	561	65.1	14.5	8.0	64.7	12.1	0.5	0.2	68.3	61.7
Morocco	1727	43.5	32.7	12.0	42.9	10.8	0.9	0.6	42.5	44.6
New Zealand	532	59.8	18.6	12.7	59.0	8.3	0.9	0.5	61.8	57.9
Norway (9)	889	69.1	13.1	9.3	66.9	7.6	2.4	0.8	71.7	67.0
Oman	1638	52.0	23.8	11.0	51.6	12.9	0.3	0.4	54.1	50.0
Palestinian Nat'l Auth.	1301	45.4	29.2	12.7	45.2	12.5	0.4	0.1	49.4	41.5
Portugal	763	55.4	18.5	15.8	55.0	10.0	0.6	0.1	55.3	55.5
Qatar	596	57.9	19.2	10.1	56.8	12.0	0.9	0.9	60.1	55.6
Romania	534	73.9	15.6	5.6	72.4	4.4	1.2	0.7	75.5	72.1
Saudi Arabia	1174	42.9	34.3	9.7	42.6	12.9	0.4	0.2	46.2	39.7
Singapore	403	82.0	11.4	4.0	82.0	2.7	0.0	0.0	83.2	80.9
Sweden	711	69.9	13.8	7.2	68.7	8.6	1.4	0.3	71.6	68.0
Turkiye	691	66.7	16.1	10.3	65.5	6.2	1.8	0.0	71.6	61.9
United Arab Emirates	5305	65.6	17.0	7.5	65.1	9.7	0.3	0.4	68.0	63.1
United States	1154	67.0	13.9	9.2	65.9	9.4	0.7	1.0	70.8	63.6
Uzbekistan	608	50.3	22.7	13.1	49.2	12.8	1.0	1.3	51.4	49.4
International Avg. (40)	39269	64.3	17.5	8.9	63.5	8.8	0.9	0.4	65.8	62.8
Abu Dhabi, UAE	2426	61.6	18.8	8.8	60.9	10.4	0.5	0.6	64.9	58.3
Dubai, UAE	1156	75.4	10.9	5.8	75.1	7.8	0.1	0.3	76.7	74.2
Sharjah, UAE	876	67.2	19.1	5.0	66.7	8.5	0.4	0.3	68.9	65.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME4_06 ME62341: Slope of line $y = 3x - 1$ - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	28.7	16.3	33.9	19.0	27.9	1.7	1.1	26.1	30.6
Austria	646	41.8	15.6	20.4	20.4	40.5	2.9	0.1	42.4	41.3
Azerbaijan	875	44.2	19.1	19.4	14.6	42.1	3.6	1.2	43.3	45.1
Bahrain	728	33.4	30.4	21.8	13.9	33.2	0.5	0.2	34.9	32.0
Brazil	3197	21.4	34.8	24.8	16.1	20.6	2.7	1.0	21.1	21.7
Chile	644	23.9	26.3	27.0	17.4	22.3	5.5	1.4	21.1	26.2
Chinese Taipei	474	20.6	15.0	36.1	27.8	20.5	0.6	0.0	15.0	25.5
Cyprus	586	49.6	15.4	20.0	13.9	48.5	1.7	0.5	48.8	50.4
Czech Republic	1147	24.3	25.0	24.9	22.5	23.2	4.4	0.0	23.5	24.9
England	604	34.0	17.4	30.9	14.6	32.5	3.9	0.7	32.1	35.8
Finland	811	36.8	17.1	26.2	18.0	35.6	2.8	0.3	38.4	35.2
France	633	30.6	25.7	23.9	16.7	29.3	4.4	0.0	30.4	30.8
Georgia	688	34.3	27.0	18.7	16.7	32.5	4.5	0.7	33.9	34.6
Hong Kong SAR	622	25.1	19.8	26.5	27.6	24.7	1.1	0.3	21.3	29.4
Hungary	765	31.1	16.1	31.0	21.0	30.8	1.2	0.0	29.4	32.8
Ireland	703	31.7	24.4	24.0	18.2	30.9	2.6	0.0	34.3	29.5
Israel	733	56.1	13.9	16.8	12.1	54.8	1.3	1.0	59.2	53.1
Italy	646	26.0	24.1	26.3	21.4	25.3	2.9	0.0	28.2	23.8
Japan	330	65.5	7.6	23.3	3.6	65.3	0.2	0.0	65.0	65.9
Jordan	1402	36.8	24.0	20.4	18.5	36.7	0.2	0.1	40.0	33.9
Kazakhstan	885	29.5	25.8	29.0	14.3	28.9	1.6	0.4	27.2	31.7
Korea, Rep. of	364	66.2	9.7	16.5	7.6	66.2	0.0	0.0	65.1	67.3
Lithuania	758	30.2	25.7	18.4	24.4	29.7	1.9	0.0	28.6	31.9
Malaysia	1245	23.4	31.4	30.1	14.8	23.3	0.3	0.1	22.6	24.1
Malta	561	30.8	20.8	32.4	15.1	30.4	1.1	0.2	29.7	32.1
Morocco	1727	28.1	37.5	21.9	10.6	27.3	1.8	0.8	25.4	30.8
New Zealand	532	24.7	22.1	30.9	21.0	24.3	1.3	0.5	25.8	24.1
Norway (9)	889	23.4	15.4	30.3	25.2	21.6	6.5	1.0	20.3	25.7
Oman	1638	50.3	21.3	15.7	12.1	49.7	0.7	0.5	54.9	45.9
Palestinian Nat'l Auth.	1301	29.6	31.6	18.7	19.1	29.2	1.1	0.2	26.2	33.0
Portugal	763	34.2	28.3	25.4	11.2	33.8	1.2	0.1	33.1	35.3
Qatar	596	37.6	22.1	24.9	13.8	36.7	1.5	0.9	35.4	39.9
Romania	534	29.4	23.7	24.6	19.7	28.3	3.0	0.7	22.5	36.5
Saudi Arabia	1174	23.2	40.4	23.4	12.8	23.1	0.2	0.2	24.8	21.7
Singapore	403	45.8	18.0	25.0	11.3	45.8	0.0	0.0	48.3	43.6
Sweden	711	22.9	19.0	33.1	21.7	22.0	3.9	0.3	18.1	28.1
Turkiye	691	37.3	20.9	23.8	14.5	35.2	5.6	0.0	38.0	36.6
United Arab Emirates	5305	45.5	20.6	20.1	12.9	44.7	1.3	0.5	44.9	46.1
United States	1154	52.0	18.8	16.9	11.5	51.1	0.6	1.0	54.1	50.2
Uzbekistan	608	26.6	27.6	20.9	22.9	25.9	1.4	1.3	27.5	25.8
International Avg. (40)	39268	34.7	22.4	24.5	16.8	33.9	2.1	0.4	34.0	35.3
Abu Dhabi, UAE	2426	40.8	22.3	21.4	14.5	40.1	1.0	0.7	40.1	41.4
Dubai, UAE	1156	56.2	15.8	18.8	8.4	55.3	1.4	0.4	54.0	58.3
Sharjah, UAE	876	47.3	19.6	20.4	11.8	46.5	1.4	0.4	48.0	46.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Algebra / Reasoning

B_ME4_07 ME62242: Relationship for a linear graph in words - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	61.7	60.7	18.0	13.3	6.4	0.5	1.1	54.6	67.3
Austria	646	62.0	61.4	16.3	12.9	8.4	0.9	0.1	57.3	65.9
Azerbaijan	875	55.0	52.5	18.6	16.5	7.9	3.2	1.3	52.6	57.3
Bahrain	728	42.3	42.1	31.0	16.5	10.1	0.2	0.2	38.9	45.5
Brazil	3197	27.6	26.7	30.7	22.1	17.5	1.9	1.1	24.0	30.9
Chile	644	37.6	35.9	28.6	17.1	13.9	2.9	1.7	30.8	43.2
Chinese Taipei	474	80.2	80.0	7.0	7.9	4.8	0.3	0.0	79.8	80.5
Cyprus	587	57.3	56.6	20.9	13.6	7.8	0.6	0.5	51.9	62.1
Czech Republic	1147	57.5	57.1	20.8	11.3	10.1	0.6	0.0	47.7	65.7
England	604	65.4	64.0	16.3	11.9	5.7	1.2	0.9	61.4	69.1
Finland	811	61.1	59.7	17.3	13.4	7.4	1.9	0.3	57.7	64.4
France	633	41.6	40.9	26.8	17.2	13.4	1.7	0.0	37.7	45.3
Georgia	688	49.9	48.3	24.0	16.1	8.4	2.1	1.0	46.8	53.0
Hong Kong SAR	622	63.3	62.3	15.6	11.5	8.9	1.5	0.3	57.8	69.5
Hungary	765	63.9	63.8	16.5	11.8	7.8	0.2	0.0	55.4	71.9
Ireland	703	53.9	53.8	23.4	12.5	10.2	0.1	0.0	48.2	58.6
Israel	733	60.0	59.1	18.4	12.3	8.6	0.5	1.1	56.2	63.8
Italy	646	56.0	55.4	17.4	19.3	6.8	1.0	0.0	53.5	58.6
Japan	330	80.5	80.3	8.3	8.3	2.9	0.2	0.0	77.8	83.3
Jordan	1402	36.6	36.5	35.8	17.8	9.7	0.1	0.1	39.6	33.8
Kazakhstan	885	49.2	48.4	23.8	16.2	10.0	1.3	0.4	48.1	50.3
Korea, Rep. of	364	80.4	80.2	9.6	7.1	2.9	0.2	0.0	84.0	76.3
Lithuania	758	57.6	57.3	19.1	12.2	10.8	0.5	0.0	57.0	58.2
Malaysia	1245	39.8	39.7	25.9	15.4	18.7	0.3	0.1	38.8	40.9
Malta	561	60.3	60.0	22.0	11.0	6.5	0.4	0.2	59.1	61.6
Morocco	1727	22.4	21.9	41.9	21.2	12.8	1.3	0.8	21.8	23.0
New Zealand	532	51.2	49.8	22.5	14.0	11.0	2.2	0.5	47.5	54.4
Norway (9)	889	55.4	53.2	21.0	13.0	8.8	2.6	1.4	50.2	59.6
Oman	1637	46.1	45.5	32.0	13.2	8.1	0.8	0.5	46.9	45.3
Palestinian Nat'l Auth.	1301	31.3	30.9	37.2	19.9	10.8	1.0	0.2	32.2	30.4
Portugal	763	56.8	56.0	17.9	15.0	9.7	1.3	0.1	53.0	60.4
Qatar	596	54.8	54.1	25.7	11.8	7.1	0.4	0.9	54.5	55.1
Romania	534	54.2	53.5	24.2	11.8	9.3	0.5	0.7	48.3	60.2
Saudi Arabia	1174	51.8	51.7	26.5	14.4	7.2	0.1	0.2	55.0	48.8
Singapore	403	78.5	78.5	8.9	8.3	4.2	0.0	0.0	76.5	80.3
Sweden	711	63.2	61.6	17.5	9.9	8.5	2.1	0.4	56.6	70.2
Turkiye	691	60.5	58.8	17.2	13.9	7.2	2.8	0.0	62.2	58.9
United Arab Emirates	5305	58.8	58.2	22.9	11.5	6.3	0.4	0.7	56.3	61.3
United States	1154	62.5	61.4	17.9	11.7	7.1	0.8	1.0	60.9	64.2
Uzbekistan	608	36.6	35.5	27.1	19.6	14.7	1.5	1.5	35.5	37.7
International Avg. (40)	39268	54.6	53.8	21.8	13.9	9.0	1.1	0.5	51.9	57.2
Abu Dhabi, UAE	2426	51.1	50.4	30.1	11.4	6.7	0.5	0.9	49.0	53.1
Dubai, UAE	1156	73.4	72.6	12.1	9.3	4.9	0.5	0.7	69.6	77.0
Sharjah, UAE	876	62.2	62.0	18.5	12.1	7.1	0.0	0.4	56.7	67.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_ME4_08A ME62250A: Julia's hexagon box - decorated strip - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	56.7	54.4	41.5	54.4	41.5	3.0	1.1	57.9	55.7
Austria	646	67.5	62.9	30.3	62.9	30.3	6.7	0.1	67.8	67.2
Azerbaijan	875	32.6	26.2	54.3	26.2	54.3	17.3	2.2	33.5	31.7
Bahrain	727	25.6	24.3	70.5	24.3	70.5	5.0	0.3	24.0	27.1
Brazil	3196	26.1	23.7	67.1	23.7	67.1	8.0	1.2	24.6	27.5
Chile	644	41.7	34.9	48.8	34.9	48.8	14.6	1.7	37.0	45.4
Chinese Taipei	474	82.7	81.2	17.0	81.2	17.0	1.7	0.0	82.6	82.7
Cyprus	587	49.5	46.4	47.3	46.4	47.3	5.8	0.5	48.7	50.2
Czech Republic	1147	69.9	67.0	28.8	67.0	28.8	4.1	0.0	65.8	73.3
England	604	56.6	53.0	40.6	53.0	40.6	5.4	0.9	58.6	54.7
Finland	810	61.1	58.4	37.2	58.4	37.2	4.1	0.3	66.4	55.8
France	632	61.3	57.2	36.1	57.2	36.1	6.7	0.0	62.9	59.7
Georgia	688	50.9	43.7	42.3	43.7	42.3	13.0	1.0	49.6	52.1
Hong Kong SAR	622	70.1	66.2	28.2	66.2	28.2	5.3	0.3	67.3	73.2
Hungary	765	41.7	41.0	57.3	41.0	57.3	1.6	0.0	39.9	43.4
Ireland	703	65.5	63.6	33.4	63.6	33.4	3.0	0.0	68.2	63.3
Israel	733	56.0	52.6	41.3	52.6	41.3	5.0	1.1	56.8	55.3
Italy	646	66.0	61.5	31.7	61.5	31.7	6.8	0.0	63.6	68.3
Japan	330	76.3	74.7	23.2	74.7	23.2	2.1	0.0	72.5	80.3
Jordan	1401	19.7	19.1	78.3	19.1	78.3	2.5	0.1	20.0	19.3
Kazakhstan	885	32.2	29.4	61.9	29.4	61.9	8.2	0.5	33.1	31.5
Korea, Rep. of	364	79.6	78.7	20.2	78.7	20.2	1.1	0.0	81.4	77.6
Lithuania	758	67.0	63.8	31.5	63.8	31.5	4.7	0.0	67.0	67.0
Malaysia	1245	27.8	27.6	71.6	27.6	71.6	0.6	0.1	25.4	30.3
Malta	561	49.9	46.4	46.5	46.4	46.5	6.9	0.2	50.5	49.2
Morocco	1725	10.5	9.4	79.5	9.4	79.5	10.2	1.0	10.4	10.7
New Zealand	532	51.0	47.9	46.0	47.9	46.0	5.7	0.5	55.6	47.0
Norway (9)	889	59.1	54.7	37.8	54.7	37.8	5.9	1.6	62.3	56.5
Oman	1637	21.1	20.2	75.7	20.2	75.7	3.6	0.5	18.2	23.7
Palestinian Nat'l Auth.	1297	14.2	13.7	83.1	13.7	83.1	2.9	0.3	14.4	13.9
Portugal	763	48.6	47.0	49.7	47.0	49.7	3.3	0.1	49.1	48.2
Qatar	595	32.6	31.4	64.9	31.4	64.9	2.7	0.9	31.5	33.7
Romania	533	54.6	51.1	42.5	51.1	42.5	5.7	0.7	53.4	55.8
Saudi Arabia	1173	11.5	11.3	86.8	11.3	86.8	1.8	0.2	11.0	12.0
Singapore	403	74.0	73.8	25.9	73.8	25.9	0.3	0.0	73.4	74.6
Sweden	711	53.0	48.4	42.9	48.4	42.9	8.3	0.4	53.2	52.8
Turkiye	691	58.8	55.9	39.2	55.9	39.2	4.9	0.0	63.1	54.5
United Arab Emirates	5303	36.3	34.9	61.2	34.9	61.2	3.1	0.8	35.2	37.4
United States	1154	42.2	40.6	55.7	40.6	55.7	2.5	1.2	44.3	40.2
Uzbekistan	608	29.0	26.9	65.9	26.9	65.9	5.7	1.5	26.5	31.3
International Avg. (40)	39252	48.3	45.6	48.6	45.6	48.6	5.2	0.5	48.2	48.4
Abu Dhabi, UAE	2425	26.7	25.6	70.3	25.6	70.3	3.1	1.0	26.7	26.6
Dubai, UAE	1156	56.7	54.1	41.3	54.1	41.3	3.8	0.7	53.5	59.6
Sharjah, UAE	875	38.0	37.0	60.4	37.0	60.4	2.2	0.4	37.8	38.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Applying

B_ME4_08B ME62250B: Julia's hexagon box - blue paper for sides - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	26.5	24.8	68.7	24.8	68.7	5.4	1.1	24.2	28.4
Austria	646	34.6	28.2	53.2	28.2	53.2	18.6	0.1	35.5	33.9
Azerbaijan	875	12.4	8.8	62.3	8.8	62.3	26.3	2.7	8.9	15.9
Bahrain	728	12.0	10.8	79.7	10.8	79.7	8.8	0.7	11.6	12.3
Brazil	3196	4.1	3.6	83.8	3.6	83.8	11.0	1.5	3.5	4.7
Chile	644	8.5	6.5	70.6	6.5	70.6	20.8	2.0	8.6	8.4
Chinese Taipei	474	65.8	63.9	33.2	63.9	33.2	2.9	0.0	64.6	66.8
Cyprus	587	18.4	15.6	69.5	15.6	69.5	14.3	0.5	17.2	19.4
Czech Republic	1147	34.2	29.9	57.7	29.9	57.7	12.3	0.1	31.7	36.1
England	604	29.2	26.4	64.0	26.4	64.0	8.6	1.1	29.0	29.4
Finland	811	29.3	27.0	65.3	27.0	65.3	7.3	0.3	31.5	27.1
France	633	23.4	19.2	62.7	19.2	62.7	17.9	0.2	25.2	21.7
Georgia	688	21.0	15.8	59.3	15.8	59.3	23.5	1.4	16.6	25.3
Hong Kong SAR	621	40.2	35.8	53.3	35.8	53.3	10.4	0.5	36.0	45.0
Hungary	765	15.3	14.1	77.9	14.1	77.9	8.0	0.0	11.5	18.9
Ireland	703	28.3	26.2	66.5	26.2	66.5	7.2	0.1	26.7	29.6
Israel	733	21.5	18.3	67.0	18.3	67.0	13.4	1.3	22.5	20.5
Italy	646	38.6	32.6	51.7	32.6	51.7	15.7	0.0	32.4	44.9
Japan	330	57.8	54.1	39.6	54.1	39.6	6.3	0.0	56.1	59.5
Jordan	1402	5.7	5.3	87.4	5.3	87.4	7.0	0.3	7.5	4.1
Kazakhstan	884	15.4	13.5	74.3	13.5	74.3	11.2	1.0	15.8	15.0
Korea, Rep. of	364	64.9	63.4	34.3	63.4	34.3	2.4	0.0	67.5	62.0
Lithuania	758	36.4	33.1	57.7	33.1	57.7	9.2	0.0	35.4	37.5
Malaysia	1245	7.1	6.9	90.8	6.9	90.8	2.1	0.1	6.7	7.5
Malta	561	22.3	19.9	69.3	19.9	69.3	10.4	0.4	21.8	22.9
Morocco	1726	3.5	2.8	77.4	2.8	77.4	18.3	1.4	4.2	2.9
New Zealand	532	21.9	19.9	71.1	19.9	71.1	8.5	0.5	23.4	20.8
Norway (9)	889	24.9	20.3	61.2	20.3	61.2	16.6	1.8	23.6	26.0
Oman	1637	5.5	5.0	85.4	5.0	85.4	8.9	0.7	4.8	6.2
Palestinian Nat'l Auth.	1299	6.9	6.3	85.9	6.3	85.9	7.2	0.5	9.3	4.5
Portugal	762	17.9	15.6	71.8	15.6	71.8	12.4	0.2	18.0	17.8
Qatar	596	12.2	11.4	81.4	11.4	81.4	6.0	1.2	10.2	14.4
Romania	534	25.9	22.6	64.6	22.6	64.6	12.1	0.7	30.2	21.7
Saudi Arabia	1174	3.7	3.4	89.7	3.4	89.7	6.7	0.2	4.9	2.5
Singapore	403	48.8	47.5	49.8	47.5	49.8	2.6	0.0	51.6	46.5
Sweden	711	32.9	28.4	57.9	28.4	57.9	13.2	0.5	33.4	32.4
Turkiye	691	31.0	28.1	62.6	28.1	62.6	9.3	0.0	35.5	26.6
United Arab Emirates	5304	19.6	18.3	74.9	18.3	74.9	5.6	1.2	17.6	21.5
United States	1154	19.3	18.4	77.1	18.4	77.1	3.0	1.6	19.2	19.4
Uzbekistan	608	9.7	8.2	76.3	8.2	76.3	13.6	2.0	12.0	7.6
International Avg. (40)	39260	23.9	21.5	67.2	21.5	67.2	10.6	0.7	23.6	24.2
Abu Dhabi, UAE	2426	12.9	12.1	81.6	12.1	81.6	4.8	1.4	12.2	13.6
Dubai, UAE	1156	35.0	32.2	59.7	32.2	59.7	6.9	1.3	32.4	37.4
Sharjah, UAE	875	20.3	19.0	74.7	19.0	74.7	5.8	0.5	15.8	24.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Geometry and Measurement / Reasoning

B_ME4_09 ME62170: Fill in table for number of faces coated with paint (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	39.1	19.2	35.4	39.8	19.2	35.4	39.8	4.5	1.1	39.5	38.8
Austria	644	43.2	15.8	50.3	28.7	15.8	50.3	28.7	5.1	0.1	40.3	45.6
Azerbaijan	875	26.5	5.9	31.6	44.5	5.9	31.6	44.5	15.5	2.7	28.6	24.3
Bahrain	728	26.0	5.0	40.3	51.3	5.0	40.3	51.3	2.7	0.7	26.5	25.5
Brazil	3197	20.5	2.8	31.5	56.0	2.8	31.5	56.0	8.0	1.8	20.0	21.1
Chile	644	25.2	5.6	31.4	47.6	5.6	31.4	47.6	13.4	2.0	24.8	25.6
Chinese Taipei	474	52.1	35.7	31.5	31.5	35.7	31.5	31.5	1.2	0.0	51.7	52.5
Cyprus	586	35.6	8.7	50.3	36.2	8.7	50.3	36.2	4.2	0.5	37.4	34.0
Czech Republic	1147	48.8	24.9	43.4	27.3	24.9	43.4	27.3	4.3	0.1	47.2	50.1
England	604	36.5	15.3	38.1	40.6	15.3	38.1	40.6	5.0	1.1	33.8	39.2
Finland	810	37.8	13.6	44.4	36.6	13.6	44.4	36.6	5.2	0.3	39.3	36.3
France	630	38.3	12.3	48.2	34.5	12.3	48.2	34.5	4.8	0.2	37.5	39.1
Georgia	688	29.2	7.1	35.6	42.7	7.1	35.6	42.7	13.1	1.4	30.7	27.7
Hong Kong SAR	621	44.3	27.9	29.8	38.8	27.9	29.8	38.8	2.9	0.5	40.5	48.6
Hungary	765	41.8	20.9	40.9	37.1	20.9	40.9	37.1	1.1	0.0	41.6	42.0
Ireland	703	45.0	22.1	42.4	31.7	22.1	42.4	31.7	3.8	0.1	44.0	45.9
Israel	733	32.5	7.9	43.3	39.7	7.9	43.3	39.7	7.4	1.7	35.1	30.2
Italy	646	39.8	12.6	49.6	31.8	12.6	49.6	31.8	5.8	0.2	36.4	43.2
Japan	330	49.6	30.2	36.5	31.1	30.2	36.5	31.1	2.3	0.0	50.4	48.7
Jordan	1402	19.5	1.3	35.8	61.2	1.3	35.8	61.2	1.5	0.3	18.6	20.3
Kazakhstan	885	24.5	6.7	31.9	54.0	6.7	31.9	54.0	6.3	1.1	25.3	23.8
Korea, Rep. of	364	54.2	31.1	45.4	22.7	31.1	45.4	22.7	0.7	0.0	53.6	54.9
Lithuania	757	42.4	18.6	44.0	33.1	18.6	44.0	33.1	4.2	0.0	43.8	41.0
Malaysia	1245	24.3	4.7	38.7	55.6	4.7	38.7	55.6	0.7	0.3	22.4	26.3
Malta	561	28.9	8.3	38.8	48.8	8.3	38.8	48.8	3.7	0.4	28.7	29.1
Morocco	1727	22.8	0.4	42.2	51.8	0.4	42.2	51.8	4.1	1.5	22.9	22.6
New Zealand	532	31.2	13.2	32.9	48.8	13.2	32.9	48.8	4.6	0.5	31.4	31.0
Norway (9)	889	38.5	19.9	29.4	40.6	19.9	29.4	40.6	8.1	2.1	40.5	36.9
Oman	1636	21.3	1.5	38.3	57.1	1.5	38.3	57.1	2.4	0.7	22.8	20.0
Palestinian Nat'l Auth.	1299	23.6	1.1	44.0	52.9	1.1	44.0	52.9	1.2	0.7	25.7	21.5
Portugal	763	32.3	9.7	43.0	43.9	9.7	43.0	43.9	2.8	0.5	33.5	31.2
Qatar	596	32.3	7.2	46.3	40.6	7.2	46.3	40.6	4.1	1.7	31.4	33.1
Romania	534	36.7	10.3	48.9	35.6	10.3	48.9	35.6	4.6	0.7	34.3	39.1
Saudi Arabia	1174	23.7	1.9	43.1	54.1	1.9	43.1	54.1	0.7	0.2	25.5	22.0
Singapore	403	54.2	38.6	31.2	30.2	38.6	31.2	30.2	0.0	0.0	54.4	54.1
Sweden	711	37.7	17.8	34.8	40.9	17.8	34.8	40.9	6.0	0.5	36.4	39.1
Turkiye	690	34.1	15.2	35.1	45.8	15.2	35.1	45.8	3.9	0.0	36.0	32.2
United Arab Emirates	5305	32.4	9.7	43.1	43.6	9.7	43.1	43.6	2.2	1.3	32.0	32.8
United States	1154	33.2	10.2	44.5	42.9	10.2	44.5	42.9	0.9	1.6	34.2	32.3
Uzbekistan	608	20.7	4.5	29.2	58.5	4.5	29.2	58.5	5.5	2.3	21.9	19.6
International Avg. (40)	39255	34.5	13.1	39.4	42.2	13.1	39.4	42.2	4.5	0.8	34.5	34.5
Abu Dhabi, UAE	2426	28.8	6.2	42.9	47.0	6.2	42.9	47.0	2.3	1.5	28.3	29.2
Dubai, UAE	1156	39.3	18.0	39.6	38.5	18.0	39.6	38.5	2.4	1.5	37.7	40.8
Sharjah, UAE	876	34.4	10.6	45.5	40.8	10.6	45.5	40.8	2.4	0.6	34.8	34.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_ME4_09A ME62170A: Fill in table for number of faces coated with paint - two - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	43.8	41.3	53.0	41.3	53.0	4.5	1.1	43.8	43.9
Austria	646	57.8	54.8	40.1	54.8	40.1	5.1	0.1	54.3	60.6
Azerbaijan	875	34.8	28.5	53.4	28.5	53.4	15.5	2.7	37.9	31.5
Bahrain	728	42.6	41.1	55.4	41.1	55.4	2.8	0.7	45.3	40.0
Brazil	3197	32.1	28.9	61.2	28.9	61.2	8.2	1.8	30.2	33.9
Chile	644	33.5	28.3	56.2	28.3	56.2	13.4	2.0	33.1	33.8
Chinese Taipei	474	56.5	55.8	43.0	55.8	43.0	1.2	0.0	55.7	57.2
Cyprus	586	54.9	52.3	42.9	52.3	42.9	4.2	0.5	58.4	51.8
Czech Republic	1147	56.2	53.8	41.8	53.8	41.8	4.3	0.1	56.5	56.0
England	604	43.9	41.2	52.7	41.2	52.7	5.1	1.1	43.9	43.9
Finland	810	51.0	48.1	46.3	48.1	46.3	5.2	0.3	50.9	51.0
France	630	51.6	49.1	46.0	49.1	46.0	4.8	0.2	49.8	53.3
Georgia	688	38.9	33.2	52.3	33.2	52.3	13.1	1.4	41.8	36.0
Hong Kong SAR	622	46.7	45.1	51.5	45.1	51.5	2.9	0.5	42.3	51.6
Hungary	765	49.5	49.0	49.9	49.0	49.9	1.1	0.0	51.4	47.7
Ireland	703	51.1	49.2	47.0	49.2	47.0	3.8	0.1	48.2	53.7
Israel	733	47.9	43.6	47.3	43.6	47.3	7.4	1.7	53.7	42.7
Italy	646	56.9	53.5	40.4	53.5	40.4	5.9	0.2	51.9	62.0
Japan	330	57.9	56.6	41.1	56.6	41.1	2.3	0.0	61.2	54.5
Jordan	1402	32.9	32.3	65.7	32.3	65.7	1.7	0.3	31.0	34.8
Kazakhstan	885	35.0	32.4	60.2	32.4	60.2	6.4	1.1	36.8	33.3
Korea, Rep. of	364	67.8	67.3	32.0	67.3	32.0	0.7	0.0	67.9	67.7
Lithuania	758	57.1	54.6	41.1	54.6	41.1	4.3	0.0	58.1	56.0
Malaysia	1245	36.8	36.4	62.6	36.4	62.6	0.7	0.3	34.2	39.4
Malta	561	39.0	37.4	58.6	37.4	58.6	3.7	0.4	38.5	39.5
Morocco	1727	41.6	39.2	55.0	39.2	55.0	4.2	1.5	42.8	40.4
New Zealand	532	36.8	34.9	59.9	34.9	59.9	4.6	0.5	34.0	39.3
Norway (9)	889	41.1	36.9	52.8	36.9	52.8	8.2	2.1	40.6	41.5
Oman	1636	37.7	36.5	60.2	36.5	60.2	2.5	0.7	40.0	35.7
Palestinian Nat'l Auth.	1299	41.5	40.7	57.3	40.7	57.3	1.2	0.7	46.6	36.6
Portugal	763	48.1	46.5	50.1	46.5	50.1	3.0	0.5	47.6	48.7
Qatar	596	48.6	45.7	48.4	45.7	48.4	4.2	1.7	47.7	49.4
Romania	534	48.4	45.5	48.6	45.5	48.6	5.2	0.7	42.0	54.7
Saudi Arabia	1174	40.2	39.8	59.1	39.8	59.1	0.8	0.2	42.9	37.8
Singapore	403	57.0	57.0	43.0	57.0	43.0	0.0	0.0	55.9	58.0
Sweden	711	44.7	41.8	51.7	41.8	51.7	6.0	0.5	42.0	47.6
Turkiye	691	42.8	41.1	55.0	41.1	55.0	3.9	0.0	42.7	42.8
United Arab Emirates	5305	46.3	44.7	51.8	44.7	51.8	2.2	1.3	46.0	46.7
United States	1154	48.7	47.5	50.0	47.5	50.0	1.0	1.6	50.6	46.8
Uzbekistan	608	30.2	27.8	64.3	27.8	64.3	5.7	2.3	31.0	29.4
International Avg. (40)	39260	45.8	43.5	51.2	43.5	51.2	4.5	0.8	45.7	45.8
Abu Dhabi, UAE	2426	44.1	42.4	53.7	42.4	53.7	2.3	1.5	44.8	43.4
Dubai, UAE	1156	48.1	46.3	49.9	46.3	49.9	2.4	1.5	46.3	49.7
Sharjah, UAE	876	49.1	47.6	49.3	47.6	49.3	2.4	0.6	46.8	51.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Reasoning

B_ME4_09B ME62170B: Fill in table for number of faces coated with paint - three - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	35.6	32.4	58.6	32.4	58.6	7.9	1.1	36.1	35.2
Austria	644	29.2	27.1	65.8	27.1	65.8	7.0	0.1	26.7	31.3
Azerbaijan	875	18.8	14.9	64.4	14.9	64.4	18.1	2.7	19.8	17.7
Bahrain	728	9.7	9.2	85.6	9.2	85.6	4.6	0.7	7.8	11.5
Brazil	3197	9.4	8.2	78.6	8.2	78.6	11.5	1.8	10.2	8.7
Chile	644	17.2	14.3	68.8	14.3	68.8	14.9	2.0	16.6	17.7
Chinese Taipei	474	47.9	47.2	51.3	47.2	51.3	1.5	0.0	48.0	47.9
Cyprus	586	16.3	15.5	79.3	15.5	79.3	4.7	0.5	16.4	16.3
Czech Republic	1147	41.7	39.5	55.3	39.5	55.3	5.2	0.1	38.3	44.4
England	604	29.3	27.5	66.3	27.5	66.3	5.1	1.1	23.9	34.5
Finland	811	25.0	23.3	69.7	23.3	69.7	6.8	0.3	28.2	22.0
France	632	25.2	23.7	70.4	23.7	70.4	5.7	0.2	25.4	25.0
Georgia	688	20.2	16.7	66.0	16.7	66.0	15.8	1.4	20.0	20.4
Hong Kong SAR	621	42.3	40.4	55.2	40.4	55.2	3.8	0.5	39.0	45.9
Hungary	765	34.2	33.7	64.9	33.7	64.9	1.4	0.0	31.8	36.4
Ireland	703	39.0	37.4	58.5	37.4	58.5	4.0	0.1	39.8	38.3
Israel	733	17.3	15.6	74.2	15.6	74.2	8.5	1.7	16.7	18.0
Italy	646	22.9	21.3	71.9	21.3	71.9	6.6	0.2	21.3	24.4
Japan	330	41.6	40.2	56.5	40.2	56.5	3.2	0.0	39.5	43.8
Jordan	1402	6.3	6.1	90.1	6.1	90.1	3.5	0.3	6.4	6.2
Kazakhstan	885	14.4	13.0	77.1	13.0	77.1	8.9	1.1	14.3	14.5
Korea, Rep. of	364	40.7	40.4	58.8	40.4	58.8	0.8	0.0	39.4	42.2
Lithuania	757	27.9	26.6	68.7	26.6	68.7	4.7	0.0	29.6	26.2
Malaysia	1245	11.9	11.7	86.8	11.7	86.8	1.2	0.3	10.6	13.2
Malta	561	19.0	18.0	77.0	18.0	77.0	4.6	0.4	19.0	18.9
Morocco	1727	4.0	3.7	88.3	3.7	88.3	6.4	1.5	3.2	4.9
New Zealand	532	26.6	24.3	67.2	24.3	67.2	8.0	0.5	29.8	23.6
Norway (9)	889	37.7	32.2	53.2	32.2	53.2	12.5	2.1	42.3	34.0
Oman	1636	5.1	4.8	90.0	4.8	90.0	4.5	0.7	5.7	4.5
Palestinian Nat'l Auth.	1301	5.7	5.5	91.0	5.5	91.0	2.8	0.7	4.8	6.5
Portugal	763	16.7	16.0	79.6	16.0	79.6	3.9	0.5	19.7	13.9
Qatar	596	16.2	15.1	78.0	15.1	78.0	5.2	1.7	15.4	17.0
Romania	534	25.8	24.0	68.8	24.0	68.8	6.5	0.7	27.4	24.1
Saudi Arabia	1174	7.3	7.1	89.9	7.1	89.9	2.8	0.2	8.3	6.3
Singapore	403	51.6	51.4	48.2	51.4	48.2	0.4	0.0	52.9	50.5
Sweden	711	31.3	28.7	63.0	28.7	63.0	7.8	0.5	31.3	31.2
Turkiye	690	25.5	24.3	70.9	24.3	70.9	4.8	0.0	29.5	21.5
United Arab Emirates	5305	18.7	17.8	77.3	17.8	77.3	3.5	1.3	18.2	19.3
United States	1154	18.2	17.4	78.2	17.4	78.2	2.8	1.6	18.0	18.4
Uzbekistan	608	11.5	10.4	80.2	10.4	80.2	7.0	2.3	13.1	10.0
International Avg. (40)	39260	23.6	22.2	71.1	22.2	71.1	6.0	0.8	23.6	23.7
Abu Dhabi, UAE	2426	13.6	12.9	82.0	12.9	82.0	3.6	1.5	11.9	15.3
Dubai, UAE	1156	30.7	29.3	66.3	29.3	66.3	2.9	1.5	29.3	31.9
Sharjah, UAE	876	20.0	19.1	76.2	19.1	76.2	4.1	0.6	23.3	16.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_ME4_10 ME62192: Distance from base of ladder to base of building - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1194	13.2	12.9	84.4	12.9	84.4	1.6	1.2	12.0	14.2
Austria	645	26.0	24.3	69.1	24.3	69.1	6.5	0.1	24.5	27.3
Azerbaijan	873	34.3	31.1	59.7	31.1	59.7	6.1	3.2	34.2	34.3
Bahrain	728	11.0	10.6	85.5	10.6	85.5	3.2	0.7	6.5	15.2
Brazil	3197	5.3	5.0	88.5	5.0	88.5	4.2	2.3	5.2	5.5
Chile	643	14.1	12.6	77.0	12.6	77.0	8.0	2.4	11.1	16.5
Chinese Taipei	474	71.3	70.6	28.4	70.6	28.4	1.0	0.0	70.6	71.9
Cyprus	587	23.2	22.4	74.0	22.4	74.0	2.5	1.1	27.3	19.5
Czech Republic	1147	29.4	28.1	67.6	28.1	67.6	4.2	0.1	28.9	29.8
England	603	15.8	15.0	79.7	15.0	79.7	4.2	1.1	10.6	21.0
Finland	810	16.5	16.0	80.9	16.0	80.9	2.8	0.4	17.1	15.9
France	632	16.7	15.7	78.7	15.7	78.7	5.0	0.5	16.2	17.1
Georgia	687	19.8	18.5	75.0	18.5	75.0	4.3	2.2	16.9	22.7
Hong Kong SAR	622	55.5	53.3	42.8	53.3	42.8	3.3	0.5	50.8	60.7
Hungary	765	22.5	22.1	76.5	22.1	76.5	1.4	0.0	21.7	23.2
Ireland	703	8.7	8.5	88.8	8.5	88.8	2.7	0.1	8.6	8.8
Israel	732	11.8	11.2	83.5	11.2	83.5	3.1	2.3	11.0	12.5
Italy	646	40.5	39.1	57.3	39.1	57.3	3.4	0.2	32.8	48.4
Japan	330	13.6	13.1	83.7	13.1	83.7	3.2	0.0	13.5	13.7
Jordan	1402	7.4	7.3	90.9	7.3	90.9	1.4	0.4	8.2	6.6
Kazakhstan	884	17.8	17.1	79.3	17.1	79.3	2.4	1.2	14.8	20.4
Korea, Rep. of	364	52.0	51.6	47.6	51.6	47.6	0.8	0.0	46.7	57.8
Lithuania	758	36.9	36.0	61.6	36.0	61.6	2.5	0.0	37.7	36.1
Malaysia	1245	11.0	10.9	87.7	10.9	87.7	0.9	0.5	10.1	11.9
Malta	561	21.5	20.3	74.0	20.3	74.0	5.1	0.5	23.7	19.2
Morocco	1726	3.8	3.5	89.1	3.5	89.1	5.7	1.7	4.1	3.5
New Zealand	532	12.7	12.4	85.7	12.4	85.7	1.4	0.5	14.8	11.1
Norway (9)	889	21.1	19.7	73.6	19.7	73.6	4.4	2.4	20.2	21.9
Oman	1637	6.2	6.0	91.2	6.0	91.2	1.9	0.9	4.5	7.7
Palestinian Nat'l Auth.	1300	13.8	13.4	84.2	13.4	84.2	1.4	0.9	16.6	11.0
Portugal	763	24.5	23.0	71.1	23.0	71.1	4.9	1.0	26.0	23.0
Qatar	596	15.5	14.8	81.0	14.8	81.0	2.3	1.9	13.3	17.6
Romania	534	41.5	40.1	56.4	40.1	56.4	2.6	0.9	38.9	44.1
Saudi Arabia	1174	8.3	8.2	91.1	8.2	91.1	0.4	0.3	10.0	6.7
Singapore	403	61.3	61.2	38.6	61.2	38.6	0.2	0.0	57.3	64.8
Sweden	711	7.1	6.7	86.9	6.7	86.9	5.6	0.9	6.1	8.1
Turkiye	691	16.2	15.2	78.8	15.2	78.8	5.9	0.0	17.8	14.6
United Arab Emirates	5305	25.5	24.7	72.2	24.7	72.2	1.6	1.6	23.0	27.8
United States	1154	19.8	19.1	77.6	19.1	77.6	1.3	2.0	17.7	21.8
Uzbekistan	608	11.6	11.0	84.0	11.0	84.0	1.8	3.1	11.9	11.3
International Avg. (40)	39255	22.1	21.3	74.6	21.3	74.6	3.1	1.0	21.1	23.1
Abu Dhabi, UAE	2426	16.2	15.7	80.8	15.7	80.8	1.8	1.7	14.4	18.0
Dubai, UAE	1156	43.1	41.7	55.0	41.7	55.0	1.7	1.6	39.8	46.1
Sharjah, UAE	876	28.7	28.2	70.1	28.2	70.1	0.8	1.0	24.9	32.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_ME4_11 ME62072: Graph for Charles' walk or bike to Olympic park - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	58.2	57.1	41.0	57.1	41.0	0.5	1.4	55.8	60.3
Austria	646	55.8	55.0	43.6	55.0	43.6	1.3	0.1	57.0	54.9
Azerbaijan	875	27.0	24.4	66.0	24.4	66.0	6.5	3.2	26.0	27.9
Bahrain	728	28.5	27.6	69.5	27.6	69.5	1.7	1.1	25.0	31.7
Brazil	3197	20.1	18.7	74.7	18.7	74.7	3.7	2.8	16.7	23.1
Chile	644	32.9	30.3	61.9	30.3	61.9	5.1	2.7	27.1	37.7
Chinese Taipei	474	66.0	65.8	33.9	65.8	33.9	0.3	0.0	65.6	66.3
Cyprus	587	47.3	46.4	51.8	46.4	51.8	0.7	1.1	48.9	45.7
Czech Republic	1146	49.2	48.4	49.9	48.4	49.9	1.4	0.3	44.6	53.0
England	604	68.3	67.0	31.1	67.0	31.1	0.8	1.1	67.4	69.2
Finland	811	52.8	51.5	46.1	51.5	46.1	1.7	0.8	55.3	50.3
France	633	58.9	57.6	40.3	57.6	40.3	1.5	0.5	57.0	60.7
Georgia	688	37.7	35.6	58.9	35.6	58.9	3.0	2.5	32.5	43.2
Hong Kong SAR	622	49.9	49.5	49.7	49.5	49.7	0.3	0.5	49.2	50.6
Hungary	765	58.8	58.7	41.1	58.7	41.1	0.2	0.0	56.4	61.1
Ireland	703	67.0	66.6	32.7	66.6	32.7	0.6	0.1	68.3	66.0
Israel	732	55.7	53.8	42.7	53.8	42.7	1.2	2.4	51.7	59.6
Italy	646	54.1	53.2	45.0	53.2	45.0	1.5	0.4	48.3	60.0
Japan	330	73.4	73.0	26.4	73.0	26.4	0.5	0.0	69.9	77.0
Jordan	1402	16.1	15.8	82.3	15.8	82.3	1.4	0.5	16.2	16.0
Kazakhstan	885	28.1	26.9	69.0	26.9	69.0	2.7	1.3	27.3	28.8
Korea, Rep. of	364	68.4	68.0	31.5	68.0	31.5	0.6	0.0	69.8	66.8
Lithuania	757	54.3	54.2	45.6	54.2	45.6	0.2	0.0	55.3	53.3
Malaysia	1246	24.0	23.7	75.3	23.7	75.3	0.3	0.7	24.5	23.4
Malta	561	57.0	56.4	42.5	56.4	42.5	0.5	0.5	57.0	57.0
Morocco	1365	34.9	33.6	62.5	33.6	62.5	1.8	2.1	35.6	34.2
New Zealand	532	55.3	54.8	44.3	54.8	44.3	0.4	0.5	56.3	54.8
Norway (9)	889	56.4	53.6	41.3	53.6	41.3	2.6	2.6	56.8	56.1
Oman	1638	28.7	27.9	69.3	27.9	69.3	1.6	1.2	28.9	28.4
Palestinian Nat'l Auth.	1299	10.9	10.7	87.1	10.7	87.1	1.3	0.9	11.2	10.7
Portugal	763	56.6	55.5	42.5	55.5	42.5	0.6	1.3	57.1	56.1
Qatar	596	39.5	38.4	58.9	38.4	58.9	0.4	2.3	38.3	40.6
Romania	531	38.3	36.8	59.3	36.8	59.3	2.1	1.8	34.1	42.5
Saudi Arabia	75	69.2	68.1	30.3	68.1	30.3	0.0	1.6	66.3	71.4
Singapore	403	75.6	75.6	24.4	75.6	24.4	0.0	0.0	71.1	79.5
Sweden	711	57.8	56.0	40.8	56.0	40.8	1.5	1.7	58.7	57.0
Turkiye	690	58.1	57.5	41.6	57.5	41.6	0.9	0.0	59.9	56.2
United Arab Emirates	5304	42.5	41.3	55.9	41.3	55.9	1.0	1.8	40.9	44.0
United States	1154	57.0	55.4	41.9	55.4	41.9	0.7	2.1	56.6	57.4
Uzbekistan	608	21.0	19.9	74.5	19.9	74.5	2.4	3.3	17.4	24.4
International Avg. (40)	37799	47.8	46.8	50.7	46.8	50.7	1.4	1.2	46.6	48.9
Abu Dhabi, UAE	2426	35.9	34.9	62.2	34.9	62.2	0.9	2.0	35.6	36.3
Dubai, UAE	1156	63.4	62.0	35.8	62.0	35.8	0.4	1.8	60.2	66.3
Sharjah, UAE	875	41.8	40.8	56.8	40.8	56.8	1.3	1.0	40.4	43.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Knowing

B_ME4_13 ME62120: Umut picks marbles without replacement - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1195	55.2	4.4	12.7	54.2	26.9	0.1	1.7	56.0	54.3
Austria	646	35.3	15.8	21.8	35.1	26.7	0.4	0.2	34.1	36.4
Azerbaijan	875	47.8	10.3	12.5	45.2	26.6	1.5	3.9	46.3	49.4
Bahrain	728	36.3	11.6	22.1	35.2	28.0	0.8	2.4	37.0	35.7
Brazil	3197	29.5	20.4	25.7	27.7	20.0	1.5	4.7	27.0	31.8
Chile	644	33.2	14.9	24.6	31.0	22.8	2.1	4.6	30.9	35.2
Chinese Taipei	474	75.1	3.3	8.3	75.1	13.3	0.0	0.0	71.8	78.0
Cyprus	587	43.9	10.8	15.4	43.1	28.9	0.6	1.3	44.5	43.4
Czech Republic	1147	38.2	16.7	25.0	37.4	18.9	0.8	1.2	33.9	41.7
England	604	51.0	7.5	10.9	50.0	29.6	0.4	1.6	48.2	53.7
Finland	811	51.6	7.0	17.8	50.4	22.4	0.5	1.8	50.5	52.7
France	633	46.3	10.2	18.9	45.2	23.2	1.5	1.0	46.6	46.0
Georgia	688	38.0	25.8	19.6	36.0	13.5	1.5	3.6	34.6	41.4
Hong Kong SAR	622	66.8	5.7	10.3	66.4	17.0	0.0	0.6	62.4	71.7
Hungary	765	41.1	12.8	19.3	41.1	26.8	0.0	0.0	36.0	46.0
Ireland	703	58.8	5.1	8.7	58.7	27.4	0.0	0.1	55.3	61.7
Israel	733	49.0	12.7	17.3	46.5	18.5	1.4	3.6	42.1	55.5
Italy	646	53.0	9.0	15.9	52.3	21.5	0.7	0.5	49.6	56.4
Japan	330	67.1	3.5	5.7	66.4	23.3	0.5	0.5	64.8	69.5
Jordan	0	.	.	.	.	.	.	.	.	.
Kazakhstan	885	26.7	21.6	23.3	25.5	24.9	2.0	2.7	26.4	27.1
Korea, Rep. of	364	72.4	1.2	8.4	72.2	17.9	0.0	0.3	72.6	72.2
Lithuania	758	44.1	10.0	21.5	43.8	24.1	0.2	0.4	41.4	46.8
Malaysia	1245	28.9	17.9	32.1	28.3	19.5	0.6	1.7	26.2	31.7
Malta	561	42.1	7.9	17.0	41.6	32.5	0.4	0.7	39.4	44.9
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	532	46.3	7.9	22.5	45.9	22.8	0.3	0.5	41.0	50.7
Norway (9)	889	53.1	5.8	15.9	50.0	22.6	0.9	4.8	52.6	53.5
Oman	1638	26.8	15.3	17.3	25.7	37.7	0.6	3.4	23.1	30.1
Palestinian Nat'l Auth.	1301	25.8	20.0	21.2	25.1	31.1	0.5	2.1	21.1	30.3
Portugal	763	43.7	15.2	16.9	41.9	21.7	2.0	2.3	40.8	46.5
Qatar	596	37.8	10.5	17.4	36.4	32.0	0.4	3.2	36.2	39.4
Romania	534	41.2	15.2	18.0	39.8	23.6	1.0	2.4	41.1	41.3
Saudi Arabia	1174	32.7	20.0	22.3	32.2	23.9	0.2	1.4	32.8	32.6
Singapore	403	70.4	4.0	6.6	70.1	18.9	0.2	0.2	69.1	71.5
Sweden	711	56.6	5.4	11.9	54.3	24.3	1.6	2.6	59.1	53.9
Turkiye	691	66.7	8.1	7.8	66.0	17.0	0.7	0.4	68.2	65.3
United Arab Emirates	5304	41.6	11.0	17.0	39.9	28.0	0.9	3.3	38.6	44.5
United States	1154	48.6	7.2	14.7	46.8	27.5	0.6	3.2	47.2	49.8
Uzbekistan	608	23.3	22.3	25.0	22.0	24.8	0.5	5.4	22.8	23.8
International Avg. (38)	36139	45.9	11.4	17.1	44.9	24.0	0.7	2.0	44.0	47.8
Abu Dhabi, UAE	2425	38.3	11.6	20.3	36.7	27.2	0.9	3.4	36.4	40.1
Dubai, UAE	1156	54.6	6.5	9.8	52.5	27.3	0.8	3.1	48.6	60.1
Sharjah, UAE	876	39.1	12.4	15.9	37.5	30.1	1.3	2.9	36.7	41.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Geometry and Measurement / Applying

B_ME5_01 ME82613: Length of hexagon side given perimeter - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	80.2	79.5	19.6	79.5	19.6	0.4	0.4	79.4	81.0
Austria	642	87.1	85.9	12.7	85.9	12.7	1.3	0.1	85.5	88.5
Azerbaijan	870	76.1	74.7	23.5	74.7	23.5	1.8	0.1	75.4	76.8
Bahrain	723	54.6	54.1	45.1	54.1	45.1	0.8	0.0	55.5	53.7
Brazil	3172	44.6	43.1	53.4	43.1	53.4	3.4	0.1	41.0	48.6
Chile	636	34.0	31.4	60.9	31.4	60.9	7.6	0.2	32.7	35.1
Chinese Taipei	469	92.5	92.2	7.5	92.2	7.5	0.3	0.0	91.8	93.1
Cyprus	589	85.9	83.6	13.8	83.6	13.8	2.2	0.5	85.0	86.7
Czech Republic	1147	86.2	85.7	13.7	85.7	13.7	0.6	0.0	84.9	87.4
England	592	83.9	83.4	16.0	83.4	16.0	0.6	0.0	84.6	83.3
Finland	805	80.8	78.4	18.7	78.4	18.7	2.4	0.5	83.1	78.3
France	635	76.1	74.3	23.3	74.3	23.3	2.4	0.0	78.1	74.3
Georgia	685	77.1	75.2	22.3	75.2	22.3	2.5	0.0	74.8	79.5
Hong Kong SAR	637	85.9	85.2	14.0	85.2	14.0	0.8	0.0	87.8	83.9
Hungary	759	79.7	78.5	20.0	78.5	20.0	1.4	0.0	75.2	83.9
Ireland	722	84.8	84.4	15.1	84.4	15.1	0.5	0.0	78.8	90.5
Israel	730	85.2	84.2	14.6	84.2	14.6	1.2	0.0	87.4	83.0
Italy	646	87.5	86.3	12.4	86.3	12.4	1.3	0.1	88.2	86.8
Japan	326	92.8	92.4	7.1	92.4	7.1	0.2	0.3	93.1	92.5
Jordan	1387	47.3	46.6	51.8	46.6	51.8	1.4	0.1	49.3	45.5
Kazakhstan	893	70.0	69.2	29.6	69.2	29.6	1.1	0.0	72.6	67.8
Korea, Rep. of	363	93.8	93.8	6.2	93.8	6.2	0.0	0.0	95.4	92.0
Lithuania	751	84.9	84.3	15.0	84.3	15.0	0.6	0.0	85.2	84.6
Malaysia	1233	56.7	56.7	43.2	56.7	43.2	0.1	0.0	58.8	54.6
Malta	548	77.8	77.2	22.0	77.2	22.0	0.8	0.0	76.4	79.1
Morocco	1734	45.0	43.5	53.1	43.5	53.1	3.2	0.1	44.8	45.3
New Zealand	550	76.8	75.8	23.0	75.8	23.0	1.3	0.0	74.6	78.6
Norway (9)	889	83.5	81.3	16.1	81.3	16.1	1.8	0.8	85.0	82.1
Oman	1642	47.9	47.1	51.1	47.1	51.1	1.7	0.1	50.5	45.5
Palestinian Nat'l Auth.	1299	39.1	38.2	59.5	38.2	59.5	1.8	0.5	38.6	39.5
Portugal	769	78.1	76.9	21.5	76.9	21.5	1.5	0.1	77.9	78.3
Qatar	592	63.6	62.7	35.8	62.7	35.8	1.5	0.0	63.4	63.8
Romania	526	80.8	80.7	19.1	80.7	19.1	0.1	0.0	80.2	81.5
Saudi Arabia	1167	48.6	48.3	51.1	48.3	51.1	0.5	0.0	47.0	50.0
Singapore	401	91.6	91.6	8.4	91.6	8.4	0.0	0.0	95.5	88.4
Sweden	717	89.2	87.9	10.7	87.9	10.7	0.7	0.7	87.2	91.0
Turkiye	693	83.5	82.9	16.4	82.9	16.4	0.7	0.0	85.7	81.1
United Arab Emirates	5304	69.8	69.3	30.0	69.3	30.0	0.6	0.1	68.5	71.0
United States	1157	77.9	77.4	21.9	77.4	21.9	0.6	0.1	78.5	77.5
Uzbekistan	606	61.9	60.6	37.4	60.6	37.4	2.0	0.0	60.3	63.5
International Avg. (40)	39193	73.6	72.6	25.9	72.6	25.9	1.3	0.1	73.4	73.7
Abu Dhabi, UAE	2409	62.9	62.5	36.9	62.5	36.9	0.5	0.1	63.1	62.7
Dubai, UAE	1160	82.3	81.7	17.6	81.7	17.6	0.6	0.0	78.9	85.5
Sharjah, UAE	889	73.1	72.8	26.8	72.8	26.8	0.2	0.2	72.4	73.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Applying

B_ME5_02A ME82708A: How many children attended in Week 4 - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	47.5	46.9	51.9	46.9	51.9	0.7	0.5	49.6	45.8
Austria	642	44.9	43.6	53.5	43.6	53.5	2.8	0.1	45.9	44.1
Azerbaijan	870	50.6	44.9	43.8	44.9	43.8	11.2	0.1	56.4	44.7
Bahrain	724	37.2	36.3	61.3	36.3	61.3	2.4	0.0	43.7	30.9
Brazil	3175	31.5	30.0	65.3	30.0	65.3	4.5	0.2	34.7	27.9
Chile	636	36.6	33.9	58.9	33.9	58.9	7.0	0.2	34.7	38.1
Chinese Taipei	469	73.0	73.0	27.0	73.0	27.0	0.0	0.0	75.5	70.7
Cyprus	589	59.4	56.7	38.7	56.7	38.7	4.1	0.5	61.0	57.9
Czech Republic	1147	62.1	59.3	36.2	59.3	36.2	4.5	0.0	66.0	58.8
England	592	58.8	58.0	40.5	58.0	40.5	1.5	0.0	58.2	59.4
Finland	805	56.3	54.7	42.5	54.7	42.5	2.4	0.5	61.5	50.7
France	635	63.5	60.8	35.0	60.8	35.0	4.2	0.0	64.8	62.2
Georgia	684	50.5	45.7	44.9	45.7	44.9	9.4	0.0	48.3	52.6
Hong Kong SAR	637	72.2	71.6	27.6	71.6	27.6	0.8	0.0	73.0	71.4
Hungary	759	56.3	55.6	43.1	55.6	43.1	1.4	0.0	55.3	57.3
Ireland	722	67.7	66.5	31.7	66.5	31.7	1.7	0.2	66.6	68.8
Israel	730	55.5	53.8	43.2	53.8	43.2	2.8	0.2	57.1	53.8
Italy	646	56.8	55.6	42.3	55.6	42.3	2.0	0.1	58.3	55.5
Japan	326	87.4	87.0	12.5	87.0	12.5	0.2	0.3	88.5	86.3
Jordan	1388	22.6	22.1	75.7	22.1	75.7	2.0	0.1	24.8	20.5
Kazakhstan	892	32.0	30.7	65.4	30.7	65.4	3.9	0.0	39.4	25.7
Korea, Rep. of	363	82.6	82.0	17.2	82.0	17.2	0.8	0.0	85.8	79.0
Lithuania	751	64.4	62.6	34.7	62.6	34.7	2.7	0.0	65.0	63.8
Malaysia	1233	46.2	46.2	53.7	46.2	53.7	0.1	0.0	49.3	42.9
Malta	548	51.1	49.9	47.8	49.9	47.8	2.3	0.0	51.5	50.7
Morocco	1734	22.9	20.6	69.4	20.6	69.4	9.8	0.1	22.6	23.2
New Zealand	550	43.1	42.7	56.5	42.7	56.5	0.8	0.0	48.4	38.6
Norway (9)	888	58.0	55.8	40.5	55.8	40.5	2.8	0.8	65.1	51.7
Oman	1642	32.4	31.3	65.4	31.3	65.4	3.2	0.1	37.0	27.9
Palestinian Nat'l Auth.	1299	24.0	23.3	73.5	23.3	73.5	2.7	0.5	28.2	20.0
Portugal	768	53.2	51.9	45.7	51.9	45.7	2.3	0.1	53.3	53.1
Qatar	593	39.5	39.1	59.8	39.1	59.8	1.0	0.0	45.7	33.6
Romania	525	49.6	47.3	48.1	47.3	48.1	4.6	0.0	51.0	48.2
Saudi Arabia	1172	24.5	24.1	74.4	24.1	74.4	1.6	0.0	26.0	23.0
Singapore	401	78.8	78.8	21.2	78.8	21.2	0.0	0.0	83.7	75.0
Sweden	717	58.5	57.4	40.7	57.4	40.7	1.2	0.7	59.0	58.1
Turkiye	693	71.7	69.3	27.4	69.3	27.4	3.3	0.0	75.9	67.0
United Arab Emirates	5304	44.6	44.0	54.6	44.0	54.6	1.4	0.1	46.5	42.7
United States	1157	43.5	43.2	56.2	43.2	56.2	0.4	0.1	45.5	41.6
Uzbekistan	606	19.6	18.0	73.7	18.0	73.7	8.3	0.0	21.8	17.2
International Avg. (40)	39199	50.8	49.4	47.5	49.4	47.5	3.0	0.1	53.1	48.5
Abu Dhabi, UAE	2409	36.8	36.3	62.3	36.3	62.3	1.3	0.1	39.6	34.0
Dubai, UAE	1160	60.8	59.9	38.7	59.9	38.7	1.4	0.0	62.6	58.9
Sharjah, UAE	889	47.5	46.9	51.8	46.9	51.8	1.1	0.2	47.1	47.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Data and Probability / Knowing

B_ME5_02B ME82708B: Week with 150 more adults than children - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	81.0	2.2	79.4	10.3	6.1	1.5	0.5	81.4	80.8
Austria	642	80.9	4.0	79.5	12.4	2.4	1.7	0.1	79.9	81.7
Azerbaijan	870	72.8	3.7	64.3	7.4	13.1	11.4	0.3	70.3	75.3
Bahrain	724	56.6	4.0	55.0	21.0	17.3	2.6	0.2	52.9	60.1
Brazil	3175	51.3	6.9	46.8	22.8	14.6	8.5	0.3	47.5	55.7
Chile	636	59.8	5.3	56.7	23.0	9.9	4.9	0.2	55.8	63.1
Chinese Taipei	469	91.7	1.5	91.7	4.9	1.9	0.0	0.0	90.8	92.4
Cyprus	589	80.6	2.8	78.1	11.3	4.7	2.7	0.5	81.5	79.8
Czech Republic	1147	82.6	3.3	81.1	9.3	4.5	1.7	0.1	81.1	84.0
England	592	83.3	2.3	82.4	8.8	5.3	1.0	0.0	77.8	88.1
Finland	805	84.4	4.2	82.0	8.3	2.6	2.2	0.7	85.1	83.6
France	635	72.7	3.9	69.7	17.6	4.6	4.2	0.0	73.0	72.4
Georgia	685	67.5	4.3	62.9	12.6	13.3	6.8	0.0	65.6	69.5
Hong Kong SAR	637	89.0	1.1	88.0	7.5	2.3	0.8	0.3	89.0	88.9
Hungary	759	74.9	4.3	73.9	10.9	9.7	1.2	0.0	72.1	77.5
Ireland	722	83.6	2.7	81.0	8.4	4.7	3.0	0.2	78.3	88.8
Israel	730	76.9	3.8	73.8	10.3	8.1	3.8	0.2	73.3	80.5
Italy	646	72.9	3.9	72.1	18.5	4.4	1.0	0.1	73.1	72.8
Japan	326	95.4	1.3	94.6	3.1	0.2	0.5	0.3	94.7	96.1
Jordan	1388	47.1	10.8	43.9	16.5	22.1	6.6	0.1	46.6	47.6
Kazakhstan	893	66.4	4.3	64.1	15.9	12.2	3.4	0.0	67.3	65.6
Korea, Rep. of	363	88.5	2.3	87.8	4.8	4.3	0.8	0.0	88.3	88.7
Lithuania	751	80.6	2.3	79.3	13.3	3.5	1.6	0.0	81.1	80.2
Malaysia	1233	41.5	6.2	41.0	31.9	19.7	1.3	0.0	36.8	46.6
Malta	548	77.7	3.7	76.3	12.8	5.4	1.8	0.0	75.5	79.8
Morocco	1734	24.6	9.0	21.1	32.6	23.2	13.9	0.1	21.9	27.2
New Zealand	550	77.4	3.9	75.6	11.2	6.9	2.3	0.0	72.3	81.8
Norway (9)	889	84.3	2.2	80.4	8.2	4.6	3.7	0.9	83.8	84.8
Oman	1642	31.7	6.6	30.3	41.8	16.7	4.5	0.1	31.3	32.2
Palestinian Nat'l Auth.	1301	41.7	11.5	37.7	17.9	23.5	8.9	0.5	40.6	42.8
Portugal	768	73.1	2.4	72.3	15.1	9.1	1.1	0.1	70.0	76.0
Qatar	593	59.3	5.5	58.0	20.7	13.8	2.1	0.0	58.5	60.0
Romania	525	70.4	5.5	67.1	17.1	5.6	4.5	0.2	66.8	74.4
Saudi Arabia	1172	35.3	10.5	34.1	32.0	20.0	3.5	0.0	30.8	39.6
Singapore	401	90.1	2.0	89.8	4.5	3.3	0.4	0.0	93.4	87.5
Sweden	717	86.4	2.9	84.6	8.2	2.2	1.3	0.7	87.0	85.9
Turkiye	693	85.9	2.1	84.2	6.2	5.5	2.0	0.0	87.7	83.9
United Arab Emirates	5304	66.3	4.8	64.5	17.2	10.9	2.6	0.1	63.8	68.7
United States	1157	74.5	4.1	73.8	14.3	6.8	0.8	0.2	72.2	77.0
Uzbekistan	606	46.6	5.1	39.2	13.4	26.5	15.8	0.0	44.7	48.6
International Avg. (40)	39204	70.2	4.3	68.0	14.6	9.4	3.6	0.2	68.6	71.7
Abu Dhabi, UAE	2409	60.5	5.4	58.2	21.2	11.4	3.7	0.1	57.8	63.3
Dubai, UAE	1160	80.5	2.7	79.6	8.6	8.0	1.2	0.0	78.3	82.6
Sharjah, UAE	889	67.4	3.5	66.3	18.4	10.2	1.4	0.2	64.5	70.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

B_ME5_03 ME82216: What fraction of text messages did Tracy answer - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	76.5	75.3	23.1	75.3	23.1	1.1	0.5	75.4	77.6
Austria	642	74.4	72.1	24.8	72.1	24.8	3.1	0.1	68.7	79.2
Azerbaijan	870	72.0	69.4	27.0	69.4	27.0	3.3	0.3	76.8	67.2
Bahrain	723	62.6	61.5	36.8	61.5	36.8	1.5	0.2	72.0	53.2
Brazil	3173	49.1	47.0	48.7	47.0	48.7	4.0	0.3	51.5	46.5
Chile	636	63.8	58.8	33.3	58.8	33.3	7.6	0.2	67.8	60.5
Chinese Taipei	469	92.6	92.3	7.4	92.3	7.4	0.3	0.0	92.2	92.9
Cyprus	589	59.3	56.7	38.9	56.7	38.9	4.0	0.5	54.6	63.6
Czech Republic	1147	45.7	44.2	52.5	44.2	52.5	3.2	0.1	39.0	51.4
England	592	82.0	80.6	17.7	80.6	17.7	1.7	0.0	78.4	85.2
Finland	804	76.5	75.0	23.0	75.0	23.0	1.3	0.7	75.2	77.9
France	635	80.1	77.1	19.2	77.1	19.2	3.8	0.0	84.1	76.3
Georgia	683	34.7	32.9	62.1	32.9	62.1	5.0	0.0	36.3	33.0
Hong Kong SAR	633	83.3	82.6	16.5	82.6	16.5	0.6	0.3	80.7	86.1
Hungary	758	41.7	41.0	57.4	41.0	57.4	1.6	0.0	36.0	47.0
Ireland	722	76.9	75.7	22.8	75.7	22.8	1.4	0.2	73.1	80.3
Israel	730	73.8	72.2	25.6	72.2	25.6	2.0	0.2	74.5	73.1
Italy	645	85.9	84.0	13.8	84.0	13.8	2.1	0.1	87.5	84.4
Japan	326	93.9	92.7	6.0	92.7	6.0	1.0	0.3	94.5	93.3
Jordan	1388	55.0	54.4	44.5	54.4	44.5	0.9	0.1	62.3	48.1
Kazakhstan	893	25.0	24.5	73.5	24.5	73.5	2.0	0.0	25.8	24.3
Korea, Rep. of	363	94.0	93.8	5.9	93.8	5.9	0.3	0.0	96.6	91.2
Lithuania	751	68.8	67.4	30.6	67.4	30.6	2.0	0.0	66.1	71.3
Malaysia	1233	54.1	53.8	45.8	53.8	45.8	0.4	0.0	59.1	48.6
Malta	548	77.3	76.0	22.3	76.0	22.3	1.7	0.0	81.7	73.1
Morocco	1731	27.0	25.6	69.2	25.6	69.2	5.1	0.1	27.2	26.9
New Zealand	550	66.7	65.1	32.5	65.1	32.5	2.4	0.0	67.6	65.8
Norway (9)	889	80.1	76.3	19.0	76.3	19.0	3.7	0.9	81.2	79.0
Oman	1642	60.3	59.2	39.1	59.2	39.1	1.5	0.2	68.4	52.3
Palestinian Nat'l Auth.	1299	54.2	53.1	44.9	53.1	44.9	1.6	0.5	63.9	44.8
Portugal	769	68.9	67.1	30.2	67.1	30.2	2.5	0.1	67.7	70.2
Qatar	593	68.2	68.0	31.7	68.0	31.7	0.3	0.0	72.4	64.3
Romania	526	65.3	62.6	33.2	62.6	33.2	4.1	0.2	63.2	67.6
Saudi Arabia	1169	48.9	48.5	50.6	48.5	50.6	0.9	0.0	59.6	39.1
Singapore	401	91.2	91.2	8.8	91.2	8.8	0.0	0.0	92.1	90.4
Sweden	716	78.1	75.4	21.1	75.4	21.1	2.7	0.7	78.2	78.1
Turkiye	693	57.1	54.8	41.1	54.8	41.1	4.1	0.0	60.4	53.5
United Arab Emirates	5304	69.5	68.9	30.2	68.9	30.2	0.7	0.1	71.6	67.4
United States	1157	73.3	72.9	26.5	72.9	26.5	0.3	0.2	73.8	72.8
Uzbekistan	606	15.0	14.9	84.4	14.9	84.4	0.6	0.0	14.8	15.3
International Avg. (40)	39185	65.6	64.1	33.5	64.1	33.5	2.2	0.2	66.8	64.3
Abu Dhabi, UAE	2409	59.8	59.2	39.8	59.2	39.8	0.9	0.1	62.3	57.2
Dubai, UAE	1160	84.1	83.7	15.8	83.7	15.8	0.5	0.0	82.6	85.6
Sharjah, UAE	889	74.2	73.4	25.6	73.4	25.6	0.8	0.2	77.3	71.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME5_04 ME82105: Order expressions of N - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	71.2	70.0	28.3	70.0	28.3	1.2	0.5	66.6	75.1
Austria	642	79.4	79.1	20.5	79.1	20.5	0.2	0.1	76.5	81.8
Azerbaijan	870	61.7	59.7	37.0	59.7	37.0	2.9	0.3	60.4	63.0
Bahrain	724	48.0	47.9	51.8	47.9	51.8	0.1	0.2	40.3	55.5
Brazil	3175	38.5	37.6	60.0	37.6	60.0	2.1	0.3	29.4	48.6
Chile	636	60.9	59.3	38.1	59.3	38.1	2.1	0.5	52.6	67.9
Chinese Taipei	469	88.1	87.8	11.9	87.8	11.9	0.3	0.0	86.2	89.7
Cyprus	589	72.8	72.2	26.9	72.2	26.9	0.4	0.5	70.7	74.8
Czech Republic	1147	73.5	73.4	26.4	73.4	26.4	0.1	0.1	71.7	75.2
England	592	73.6	73.4	26.4	73.4	26.4	0.2	0.0	68.0	78.5
Finland	805	78.0	76.2	21.6	76.2	21.6	1.5	0.7	80.0	75.8
France	635	71.8	71.2	27.9	71.2	27.9	0.9	0.0	69.3	74.1
Georgia	685	67.3	66.2	32.2	66.2	32.2	1.6	0.0	58.5	76.2
Hong Kong SAR	637	83.4	82.9	16.5	82.9	16.5	0.3	0.3	79.3	87.6
Hungary	759	79.2	79.1	20.7	79.1	20.7	0.2	0.0	77.0	81.4
Ireland	722	70.6	70.1	29.1	70.1	29.1	0.6	0.2	67.7	73.4
Israel	730	73.6	72.5	26.1	72.5	26.1	1.3	0.2	70.5	76.7
Italy	646	75.1	74.8	24.8	74.8	24.8	0.3	0.1	71.4	78.5
Japan	326	84.4	84.2	15.5	84.2	15.5	0.0	0.3	83.2	85.8
Jordan	1388	43.2	43.0	56.7	43.0	56.7	0.1	0.2	37.3	48.6
Kazakhstan	893	55.1	54.8	44.7	54.8	44.7	0.5	0.0	54.7	55.4
Korea, Rep. of	363	88.3	88.3	11.7	88.3	11.7	0.0	0.0	91.2	85.1
Lithuania	751	71.1	71.0	28.9	71.0	28.9	0.2	0.0	67.7	74.3
Malaysia	1233	44.0	44.0	56.0	44.0	56.0	0.1	0.0	41.3	46.9
Malta	548	68.7	68.3	31.1	68.3	31.1	0.6	0.0	65.5	71.9
Morocco	1734	37.5	37.2	62.1	37.2	62.1	0.5	0.1	33.2	41.5
New Zealand	550	68.4	67.9	31.4	67.9	31.4	0.7	0.0	63.7	72.3
Norway (9)	889	75.2	73.2	24.1	73.2	24.1	1.5	1.2	73.2	77.0
Oman	1642	38.3	38.1	61.3	38.1	61.3	0.4	0.2	33.5	42.9
Palestinian Nat'l Auth.	1301	38.4	38.1	61.1	38.1	61.1	0.3	0.5	35.5	41.3
Portugal	769	67.0	66.6	32.9	66.6	32.9	0.4	0.1	62.7	71.0
Qatar	593	57.5	57.1	42.2	57.1	42.2	0.8	0.0	51.1	63.6
Romania	525	68.1	66.6	31.2	66.6	31.2	2.1	0.2	64.2	72.1
Saudi Arabia	1172	32.3	32.2	67.4	32.2	67.4	0.2	0.2	25.5	38.7
Singapore	401	85.6	85.6	14.4	85.6	14.4	0.0	0.0	85.1	86.0
Sweden	717	82.1	80.6	17.6	80.6	17.6	1.1	0.7	80.4	83.6
Turkiye	693	70.6	69.9	29.2	69.9	29.2	0.9	0.0	71.3	69.7
United Arab Emirates	5304	61.6	61.4	38.3	61.4	38.3	0.3	0.1	56.2	66.9
United States	1157	66.0	65.8	33.8	65.8	33.8	0.2	0.2	60.7	71.2
Uzbekistan	606	40.9	40.6	58.7	40.6	58.7	0.7	0.0	39.3	42.7
International Avg. (40)	39205	65.3	64.7	34.4	64.7	34.4	0.7	0.2	61.8	68.6
Abu Dhabi, UAE	2409	55.7	55.5	44.1	55.5	44.1	0.3	0.1	51.5	59.9
Dubai, UAE	1160	76.2	76.0	23.8	76.0	23.8	0.2	0.0	72.1	80.1
Sharjah, UAE	889	61.8	61.4	38.0	61.4	38.0	0.4	0.2	54.5	68.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Knowing

B_ME5_05 ME82405: Evaluate the expression when $x = 2$ and $y = 4$ - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	64.2	62.4	34.8	62.4	34.8	2.1	0.7	64.2	64.3
Austria	642	72.6	69.8	26.3	69.8	26.3	3.7	0.2	77.3	68.6
Azerbaijan	870	70.1	66.3	28.2	66.3	28.2	5.2	0.3	73.6	66.7
Bahrain	724	55.1	54.4	44.2	54.4	44.2	1.2	0.2	58.5	51.8
Brazil	3173	25.6	23.7	69.0	23.7	69.0	6.9	0.4	25.4	25.7
Chile	635	31.9	27.1	58.0	27.1	58.0	14.4	0.5	31.8	32.0
Chinese Taipei	469	85.9	85.4	14.0	85.4	14.0	0.6	0.0	84.9	86.8
Cyprus	589	80.8	77.6	18.4	77.6	18.4	3.5	0.5	82.4	79.3
Czech Republic	1146	67.7	66.3	31.6	66.3	31.6	2.0	0.1	69.9	65.8
England	592	75.4	73.2	23.9	73.2	23.9	2.7	0.2	69.3	80.7
Finland	804	65.7	62.0	32.4	62.0	32.4	4.7	0.9	68.1	63.1
France	634	61.0	56.6	36.2	56.6	36.2	7.2	0.0	63.3	58.7
Georgia	683	68.5	64.2	29.6	64.2	29.6	6.2	0.0	72.3	64.6
Hong Kong SAR	637	87.7	86.7	12.2	86.7	12.2	0.9	0.3	89.3	86.0
Hungary	759	66.8	65.7	32.6	65.7	32.6	1.7	0.0	65.4	68.1
Ireland	722	70.0	68.2	29.2	68.2	29.2	2.4	0.2	67.5	72.4
Israel	730	64.0	61.2	34.4	61.2	34.4	4.0	0.4	67.4	60.5
Italy	646	58.3	55.0	39.3	55.0	39.3	5.5	0.1	57.9	58.7
Japan	326	90.9	89.6	9.0	89.6	9.0	1.1	0.3	91.3	90.4
Jordan	1387	43.3	42.7	55.9	42.7	55.9	1.2	0.2	49.7	37.2
Kazakhstan	892	52.3	50.8	46.3	50.8	46.3	2.9	0.1	63.8	42.7
Korea, Rep. of	363	89.9	89.6	10.1	89.6	10.1	0.3	0.0	92.9	86.4
Lithuania	751	63.3	60.4	35.1	60.4	35.1	4.4	0.0	67.6	59.2
Malaysia	1233	32.6	32.4	66.9	32.4	66.9	0.7	0.0	36.6	28.4
Malta	548	68.7	66.8	30.4	66.8	30.4	2.8	0.0	72.1	65.5
Morocco	1732	28.4	26.8	67.4	26.8	67.4	5.7	0.1	30.7	26.2
New Zealand	550	49.6	47.8	48.6	47.8	48.6	3.6	0.0	53.1	46.6
Norway (9)	889	59.9	56.1	37.5	56.1	37.5	5.2	1.2	64.7	55.6
Oman	1642	50.4	49.4	48.6	49.4	48.6	1.7	0.2	58.1	42.9
Palestinian Nat'l Auth.	1299	40.4	39.7	58.5	39.7	58.5	1.3	0.5	49.4	31.6
Portugal	769	51.7	48.8	45.6	48.8	45.6	5.5	0.1	56.6	46.9
Qatar	593	61.7	60.7	37.6	60.7	37.6	1.6	0.1	66.4	57.2
Romania	526	69.1	64.6	28.9	64.6	28.9	6.2	0.2	68.3	70.0
Saudi Arabia	1170	38.4	37.9	61.0	37.9	61.0	0.9	0.2	42.6	34.4
Singapore	401	86.1	86.1	13.9	86.1	13.9	0.0	0.0	88.9	83.8
Sweden	717	76.1	73.7	23.2	73.7	23.2	2.4	0.7	76.7	75.4
Turkiye	693	60.3	56.1	36.9	56.1	36.9	7.0	0.0	62.8	57.4
United Arab Emirates	5304	63.5	62.8	36.1	62.8	36.1	0.9	0.1	64.9	62.1
United States	1157	62.4	61.7	37.1	61.7	37.1	0.9	0.3	65.2	59.8
Uzbekistan	606	48.5	46.8	49.7	46.8	49.7	3.3	0.2	54.9	41.5
International Avg. (40)	39190	61.5	59.4	37.0	59.4	37.0	3.4	0.2	64.1	58.9
Abu Dhabi, UAE	2409	55.4	54.8	44.0	54.8	44.0	1.1	0.2	56.8	54.1
Dubai, UAE	1160	79.7	79.3	20.1	79.3	20.1	0.6	0.0	78.2	81.3
Sharjah, UAE	889	67.4	66.6	32.2	66.6	32.2	1.0	0.3	70.4	64.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data and Probability / Reasoning

B_ME5_06 ME82792: Estimate Jo's shoe sales in April - amount - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1185	78.6	77.2	21.0	77.2	21.0	0.8	1.0	79.4	78.1
Austria	642	80.4	79.1	19.3	79.1	19.3	1.4	0.2	78.5	81.9
Azerbaijan	870	48.7	40.5	42.7	40.5	42.7	16.5	0.3	47.1	50.2
Bahrain	724	49.8	48.4	48.8	48.4	48.8	2.6	0.3	51.5	48.2
Brazil	3172	48.8	44.9	47.0	44.9	47.0	7.5	0.6	46.0	51.8
Chile	635	69.1	62.1	27.8	62.1	27.8	9.4	0.8	67.2	70.7
Chinese Taipei	469	84.6	83.8	15.2	83.8	15.2	0.9	0.0	86.5	83.0
Cyprus	589	71.1	64.9	26.4	64.9	26.4	8.2	0.5	72.4	69.9
Czech Republic	1147	84.8	82.5	14.8	82.5	14.8	2.6	0.1	82.4	86.7
England	592	85.5	81.6	13.8	81.6	13.8	4.0	0.6	84.0	86.9
Finland	805	86.1	82.6	13.3	82.6	13.3	3.1	1.0	89.0	83.2
France	635	83.2	77.9	15.7	77.9	15.7	6.1	0.3	83.6	82.9
Georgia	685	66.1	55.4	28.4	55.4	28.4	16.0	0.2	62.7	69.5
Hong Kong SAR	636	85.7	83.1	13.9	83.1	13.9	2.7	0.3	85.9	85.4
Hungary	759	83.5	82.8	16.4	82.8	16.4	0.9	0.0	81.3	85.5
Ireland	722	81.8	79.8	17.8	79.8	17.8	2.3	0.2	82.4	81.3
Israel	730	75.8	72.5	23.2	72.5	23.2	3.8	0.5	78.1	73.4
Italy	646	80.4	76.4	18.6	76.4	18.6	4.8	0.1	79.6	81.1
Japan	0	.	.	.	.	.	.	.	.	.
Jordan	1387	46.0	44.4	52.1	44.4	52.1	3.2	0.2	45.6	46.5
Kazakhstan	893	60.7	57.6	37.3	57.6	37.3	5.1	0.1	60.7	60.7
Korea, Rep. of	363	94.0	93.1	5.9	93.1	5.9	1.0	0.0	94.7	93.2
Lithuania	751	80.3	76.6	18.8	76.6	18.8	4.5	0.0	79.5	81.0
Malaysia	1233	57.3	57.2	42.6	57.2	42.6	0.2	0.0	58.3	56.2
Malta	548	73.3	70.5	25.6	70.5	25.6	3.7	0.3	73.8	72.9
Morocco	1733	57.1	51.4	38.6	51.4	38.6	9.8	0.3	56.9	57.4
New Zealand	550	76.7	75.1	22.8	75.1	22.8	2.1	0.0	78.7	75.1
Norway (9)	889	84.0	78.4	14.9	78.4	14.9	5.3	1.4	87.5	81.0
Oman	1642	56.0	54.5	42.7	54.5	42.7	2.6	0.2	60.2	52.1
Palestinian Nat'l Auth.	1300	40.1	38.7	57.9	38.7	57.9	2.8	0.5	42.1	38.2
Portugal	769	79.5	77.1	19.9	77.1	19.9	2.8	0.2	73.1	85.6
Qatar	593	66.1	65.3	33.4	65.3	33.4	1.2	0.1	66.4	65.9
Romania	526	60.1	56.5	37.5	56.5	37.5	5.6	0.3	55.8	64.6
Saudi Arabia	1169	52.8	52.0	46.5	52.0	46.5	1.2	0.3	54.5	51.2
Singapore	401	83.0	82.5	17.0	82.5	17.0	0.5	0.0	85.8	80.7
Sweden	716	77.9	73.7	20.9	73.7	20.9	4.6	0.7	79.6	76.3
Turkiye	693	76.4	75.1	23.2	75.1	23.2	1.6	0.0	76.3	76.5
United Arab Emirates	5304	67.8	66.6	31.6	66.6	31.6	1.5	0.3	67.3	68.3
United States	1157	74.8	74.0	25.0	74.0	25.0	0.7	0.3	74.6	75.1
Uzbekistan	606	49.8	47.2	47.5	47.2	47.5	5.2	0.2	49.6	50.0
International Avg. (39)	38866	70.7	67.8	27.8	67.8	27.8	4.1	0.3	70.7	70.7
Abu Dhabi, UAE	2409	63.4	62.2	35.9	62.2	35.9	1.6	0.4	62.6	64.2
Dubai, UAE	1160	81.0	79.7	18.7	79.7	18.7	1.6	0.0	80.8	81.2
Sharjah, UAE	889	65.2	63.8	34.0	63.8	34.0	1.8	0.5	64.9	65.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Geometry and Measurement / Applying

B_ME5_07 ME82612: Measure of x in two lines intersecting - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	60.3	58.9	38.8	58.9	38.8	1.3	1.0	55.6	64.2
Austria	642	55.0	52.6	43.0	52.6	43.0	4.2	0.2	56.8	53.6
Azerbaijan	870	62.6	59.1	35.3	59.1	35.3	5.0	0.5	67.3	57.9
Bahrain	724	32.2	31.7	66.7	31.7	66.7	1.2	0.3	33.6	30.9
Brazil	3173	17.6	16.4	76.7	16.4	76.7	6.1	0.8	15.8	19.6
Chile	636	18.4	16.0	71.0	16.0	71.0	12.1	0.8	19.2	17.8
Chinese Taipei	469	88.3	88.0	11.7	88.0	11.7	0.3	0.0	88.6	88.0
Cyprus	589	73.9	72.2	25.5	72.2	25.5	1.8	0.5	74.8	73.0
Czech Republic	1147	60.4	59.3	38.8	59.3	38.8	1.8	0.1	57.9	62.7
England	592	73.0	71.0	26.3	71.0	26.3	2.1	0.6	68.1	77.2
Finland	804	64.2	62.6	34.9	62.6	34.9	1.4	1.0	66.4	61.8
France	634	51.3	49.6	47.1	49.6	47.1	3.0	0.3	50.1	52.5
Georgia	684	57.7	53.2	38.9	53.2	38.9	7.6	0.3	56.9	58.6
Hong Kong SAR	635	85.6	84.6	14.2	84.6	14.2	0.9	0.3	82.5	88.8
Hungary	759	61.3	60.3	38.0	60.3	38.0	1.7	0.0	56.5	65.9
Ireland	722	65.1	63.5	34.1	63.5	34.1	2.2	0.2	62.6	67.4
Israel	730	65.9	64.2	33.2	64.2	33.2	2.1	0.5	67.3	64.5
Italy	646	53.7	52.0	44.8	52.0	44.8	3.1	0.1	54.3	53.2
Japan	326	93.2	91.6	6.6	91.6	6.6	1.5	0.3	92.4	94.1
Jordan	1388	28.8	28.5	70.5	28.5	70.5	0.7	0.2	32.7	25.2
Kazakhstan	893	44.6	43.2	53.7	43.2	53.7	3.0	0.1	49.1	40.9
Korea, Rep. of	363	92.7	92.7	7.3	92.7	7.3	0.0	0.0	95.9	89.1
Lithuania	751	68.4	67.3	31.1	67.3	31.1	1.5	0.0	68.1	68.6
Malaysia	1233	36.3	36.1	63.3	36.1	63.3	0.5	0.0	37.2	35.4
Malta	548	68.3	67.1	31.1	67.1	31.1	1.5	0.3	68.7	67.9
Morocco	1734	28.4	27.3	68.6	27.3	68.6	3.6	0.5	28.4	28.5
New Zealand	550	50.2	48.3	48.0	48.3	48.0	3.6	0.0	48.3	51.7
Norway (9)	889	56.4	52.8	40.9	52.8	40.9	4.5	1.7	61.4	52.0
Oman	1641	38.1	37.2	60.5	37.2	60.5	2.1	0.2	43.7	32.7
Palestinian Nat'l Auth.	1300	29.0	28.5	69.9	28.5	69.9	1.1	0.5	33.3	24.8
Portugal	769	58.5	57.0	40.5	57.0	40.5	2.3	0.2	57.4	59.6
Qatar	593	47.2	46.6	52.1	46.6	52.1	1.3	0.1	45.5	48.8
Romania	525	62.5	60.2	36.1	60.2	36.1	3.5	0.2	62.2	62.8
Saudi Arabia	1171	26.9	26.7	72.6	26.7	72.6	0.3	0.3	25.0	28.7
Singapore	401	90.8	90.8	9.2	90.8	9.2	0.0	0.0	93.4	88.7
Sweden	717	67.5	65.2	31.4	65.2	31.4	2.6	0.8	68.8	66.4
Turkiye	692	59.5	57.2	38.9	57.2	38.9	3.8	0.0	62.6	55.9
United Arab Emirates	5303	56.9	56.2	42.6	56.2	42.6	0.9	0.3	57.3	56.4
United States	1157	49.3	48.8	50.2	48.8	50.2	0.7	0.4	50.3	48.5
Uzbekistan	606	39.8	38.6	58.4	38.6	58.4	2.8	0.2	40.9	38.7
International Avg. (40)	39193	56.0	54.6	42.6	54.6	42.6	2.5	0.3	56.4	55.6
Abu Dhabi, UAE	2408	48.9	48.3	50.5	48.3	50.5	0.8	0.4	49.2	48.6
Dubai, UAE	1160	73.3	72.6	26.4	72.6	26.4	1.0	0.0	70.7	75.9
Sharjah, UAE	889	58.1	57.2	41.2	57.2	41.2	1.1	0.5	60.8	55.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Applying

B_ME5_08 ME82313: How far will the vehicle go in 15 hours - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	64.7	63.1	34.4	63.1	34.4	1.6	1.0	61.7	67.1
Austria	642	73.0	70.6	26.1	70.6	26.1	3.0	0.3	67.5	77.6
Azerbaijan	870	63.3	60.2	34.9	60.2	34.9	4.4	0.5	61.4	65.0
Bahrain	724	41.1	40.4	57.9	40.4	57.9	1.2	0.5	33.9	48.1
Brazil	3172	26.7	25.3	69.4	25.3	69.4	4.2	1.1	19.2	34.7
Chile	636	43.1	40.3	53.2	40.3	53.2	5.5	0.9	35.6	49.3
Chinese Taipei	469	89.4	89.1	10.6	89.1	10.6	0.3	0.0	87.7	90.8
Cyprus	589	62.3	59.5	35.9	59.5	35.9	4.0	0.5	57.8	66.4
Czech Republic	1147	75.9	74.3	23.6	74.3	23.6	2.0	0.1	69.3	81.7
England	592	69.0	66.4	29.8	66.4	29.8	3.2	0.6	62.4	74.7
Finland	804	67.9	65.3	30.9	65.3	30.9	2.8	1.0	66.2	69.6
France	635	63.5	59.9	34.5	59.9	34.5	5.2	0.5	56.8	69.4
Georgia	685	67.7	64.5	30.8	64.5	30.8	4.4	0.3	60.3	75.0
Hong Kong SAR	637	85.4	83.7	14.3	83.7	14.3	1.6	0.3	81.7	89.3
Hungary	759	70.5	69.9	29.2	69.9	29.2	1.0	0.0	61.6	78.9
Ireland	722	73.1	71.8	26.5	71.8	26.5	1.5	0.2	66.0	79.6
Israel	730	63.5	61.3	35.2	61.3	35.2	3.0	0.5	59.9	67.2
Italy	646	67.4	66.1	32.0	66.1	32.0	1.8	0.1	63.6	70.7
Japan	326	80.4	78.2	19.1	78.2	19.1	2.5	0.3	77.3	83.7
Jordan	1388	32.2	31.6	66.5	31.6	66.5	1.7	0.2	24.9	39.1
Kazakhstan	893	61.5	60.3	37.7	60.3	37.7	1.8	0.1	59.4	63.3
Korea, Rep. of	363	80.2	78.6	19.3	78.6	19.3	2.1	0.0	79.2	81.4
Lithuania	751	76.6	74.7	22.9	74.7	22.9	2.4	0.0	71.0	81.8
Malaysia	1233	37.8	37.8	62.0	37.8	62.0	0.2	0.0	38.6	37.0
Malta	548	64.4	62.9	34.8	62.9	34.8	2.0	0.3	61.2	67.3
Morocco	1733	32.0	30.0	63.7	30.0	63.7	5.8	0.5	26.4	37.2
New Zealand	550	53.1	51.9	45.8	51.9	45.8	2.4	0.0	45.4	59.5
Norway (9)	889	66.4	62.0	31.3	62.0	31.3	4.8	1.9	63.0	69.4
Oman	1642	33.2	32.3	64.9	32.3	64.9	2.6	0.2	28.2	38.1
Palestinian Nat'l Auth.	1299	29.7	28.8	68.4	28.8	68.4	2.3	0.6	25.2	34.0
Portugal	769	63.2	61.2	35.6	61.2	35.6	2.9	0.2	61.2	65.1
Qatar	593	50.6	50.0	48.9	50.0	48.9	1.0	0.1	47.1	53.9
Romania	526	63.0	60.7	35.6	60.7	35.6	3.3	0.3	59.7	66.3
Saudi Arabia	1172	36.3	35.9	63.2	35.9	63.2	0.5	0.3	31.3	40.9
Singapore	401	85.0	85.0	15.0	85.0	15.0	0.0	0.0	86.0	84.3
Sweden	717	73.7	71.5	25.4	71.5	25.4	2.3	0.8	71.3	76.0
Turkiye	693	68.8	67.0	30.4	67.0	30.4	2.6	0.0	67.1	70.7
United Arab Emirates	5304	59.5	58.8	40.0	58.8	40.0	0.9	0.3	54.9	64.0
United States	1157	59.2	58.6	40.3	58.6	40.3	0.7	0.4	54.5	63.9
Uzbekistan	606	53.1	52.3	46.2	52.3	46.2	1.4	0.2	49.8	56.5
International Avg. (40)	39199	60.7	59.0	38.2	59.0	38.2	2.4	0.4	56.4	64.7
Abu Dhabi, UAE	2409	53.0	52.3	46.3	52.3	46.3	1.0	0.5	49.4	56.8
Dubai, UAE	1160	73.5	73.0	26.3	73.0	26.3	0.7	0.0	67.7	79.2
Sharjah, UAE	889	61.6	60.6	37.8	60.6	37.8	1.1	0.5	55.8	67.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Algebra / Applying

B_ME5_09 ME82503: Equation for pairs of data in table - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	62.8	12.5	61.5	10.5	13.5	1.2	1.0	60.4	64.9
Austria	642	72.2	10.7	71.3	10.2	6.7	0.8	0.3	77.7	67.6
Azerbaijan	870	76.4	11.2	74.7	6.5	5.4	1.2	1.0	81.0	71.8
Bahrain	724	55.7	17.0	55.3	15.2	11.9	0.2	0.5	63.1	48.6
Brazil	3175	33.9	26.4	32.9	20.4	17.3	1.9	1.2	32.3	35.7
Chile	636	48.7	20.7	45.6	15.0	12.4	5.2	1.1	49.1	48.4
Chinese Taipei	469	87.2	6.6	86.7	3.5	2.6	0.6	0.0	88.7	85.8
Cyprus	589	74.8	9.2	73.7	7.8	7.9	1.0	0.5	78.2	71.7
Czech Republic	1147	72.9	10.3	72.1	9.9	6.7	0.9	0.1	72.4	73.3
England	592	71.7	9.0	70.2	11.2	7.6	1.5	0.6	67.8	75.0
Finland	805	64.4	14.0	62.1	12.0	8.3	2.5	1.2	65.8	63.0
France	635	55.4	11.6	52.8	14.7	16.2	3.4	1.3	56.0	54.8
Georgia	684	61.9	16.9	60.1	10.1	10.0	2.6	0.3	64.9	58.9
Hong Kong SAR	637	81.1	10.1	80.3	5.6	3.0	0.6	0.5	80.5	81.8
Hungary	759	70.3	9.7	70.3	10.8	9.2	0.0	0.0	69.6	71.0
Ireland	722	62.0	18.4	61.5	9.7	9.7	0.4	0.3	62.1	61.8
Israel	730	62.3	13.9	61.1	11.6	11.4	1.5	0.5	64.3	60.3
Italy	646	72.6	10.0	71.9	8.4	8.7	0.8	0.1	74.6	70.7
Japan	326	85.1	6.7	84.3	1.6	6.5	0.6	0.3	84.7	85.4
Jordan	1388	50.4	21.5	50.0	15.8	11.9	0.3	0.5	52.5	48.4
Kazakhstan	893	63.0	14.9	62.2	10.9	10.8	1.1	0.1	64.6	61.5
Korea, Rep. of	363	85.2	5.5	85.2	6.7	2.5	0.0	0.0	88.1	82.1
Lithuania	751	75.9	9.3	75.8	7.3	7.4	0.1	0.0	76.4	75.4
Malaysia	1233	39.5	26.3	39.5	20.3	13.9	0.1	0.0	38.5	40.7
Malta	548	62.3	14.3	61.3	10.1	12.6	1.3	0.5	64.6	60.1
Morocco	1734	36.8	21.5	36.0	23.9	16.4	1.3	1.0	34.7	38.8
New Zealand	550	62.9	15.5	62.0	9.2	11.9	1.4	0.0	62.9	62.9
Norway (9)	889	61.0	14.6	57.7	10.0	12.3	3.3	2.1	61.8	60.2
Oman	1642	38.6	23.7	38.1	22.5	14.3	1.1	0.2	42.5	34.8
Palestinian Nat'l Auth.	1301	51.0	19.0	50.3	19.2	10.0	0.9	0.6	55.0	47.1
Portugal	769	69.1	9.9	68.5	8.3	12.5	0.6	0.3	70.7	67.5
Qatar	593	60.4	20.1	59.8	9.8	9.4	0.8	0.1	63.4	57.5
Romania	526	71.4	12.8	70.6	6.6	8.8	0.6	0.5	72.5	70.2
Saudi Arabia	1172	50.8	22.2	50.6	14.4	12.4	0.1	0.3	51.5	50.1
Singapore	401	84.5	7.3	84.5	3.7	4.5	0.0	0.0	86.8	82.7
Sweden	717	57.7	14.3	55.9	9.9	16.8	2.1	1.1	60.6	55.1
Turkiye	693	65.7	12.4	64.0	9.3	11.8	2.6	0.0	67.4	63.8
United Arab Emirates	5304	65.7	15.1	65.2	9.0	9.9	0.4	0.4	64.9	66.6
United States	1157	61.4	12.0	61.0	11.4	14.9	0.2	0.4	59.9	63.0
Uzbekistan	606	50.5	22.8	49.1	13.5	12.0	2.0	0.7	52.5	48.3
International Avg. (40)	39205	63.4	14.5	62.4	11.2	10.3	1.2	0.5	64.6	62.2
Abu Dhabi, UAE	2409	58.2	17.8	57.6	11.9	11.8	0.5	0.5	56.8	59.6
Dubai, UAE	1160	81.3	9.0	80.9	3.7	5.9	0.5	0.0	80.1	82.5
Sharjah, UAE	889	67.6	13.7	67.1	8.8	9.7	0.1	0.6	67.3	67.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Mathematics: Algebra / Reasoning

B_ME5_10 ME82407: Is Peggy correct - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	55.3	51.8	41.9	51.8	41.9	5.1	1.2	55.9	54.9
Austria	642	48.9	44.9	46.9	44.9	46.9	7.8	0.3	54.8	43.8
Azerbaijan	870	43.1	34.7	45.8	34.7	45.8	18.2	1.3	44.8	41.3
Bahrain	724	28.2	26.4	67.3	26.4	67.3	5.9	0.5	32.7	23.8
Brazil	3171	13.5	10.9	70.0	10.9	70.0	17.6	1.5	13.6	13.4
Chile	636	23.2	16.6	54.9	16.6	54.9	26.2	2.3	23.2	23.2
Chinese Taipei	468	51.8	50.7	47.2	50.7	47.2	2.2	0.0	53.2	50.5
Cyprus	589	58.0	52.8	38.2	52.8	38.2	8.4	0.6	58.5	57.6
Czech Republic	1147	55.2	50.0	40.5	50.0	40.5	9.3	0.2	56.9	53.8
England	592	65.5	59.1	31.1	59.1	31.1	9.1	0.7	62.6	68.0
Finland	805	48.0	45.3	49.0	45.3	49.0	4.2	1.5	53.3	42.4
France	635	47.1	40.8	45.9	40.8	45.9	11.6	1.7	48.8	45.5
Georgia	684	40.1	33.8	50.6	33.8	50.6	14.5	1.0	40.1	40.0
Hong Kong SAR	637	63.8	60.2	34.2	60.2	34.2	5.0	0.5	66.7	60.6
Hungary	759	49.2	46.3	47.8	46.3	47.8	5.9	0.0	43.9	54.1
Ireland	722	54.3	50.7	42.6	50.7	42.6	6.3	0.5	54.6	54.1
Israel	730	35.1	29.9	55.2	29.9	55.2	14.0	0.9	36.3	34.0
Italy	646	47.6	40.1	44.1	40.1	44.1	15.5	0.3	49.6	46.0
Japan	326	47.1	43.1	48.4	43.1	48.4	8.2	0.3	48.7	45.3
Jordan	1386	24.1	22.8	71.9	22.8	71.9	4.6	0.6	28.8	19.6
Kazakhstan	893	41.1	36.1	51.7	36.1	51.7	11.8	0.4	48.4	34.8
Korea, Rep. of	363	62.3	60.2	36.4	60.2	36.4	3.4	0.0	69.4	54.3
Lithuania	750	51.7	45.8	42.8	45.8	42.8	11.3	0.0	54.8	48.7
Malaysia	1233	20.2	19.6	77.4	19.6	77.4	3.0	0.0	22.3	17.9
Malta	548	50.3	45.7	45.1	45.7	45.1	8.4	0.8	52.8	47.8
Morocco	1734	13.0	9.8	65.8	9.8	65.8	23.1	1.4	15.5	10.5
New Zealand	549	46.8	41.8	47.5	41.8	47.5	10.0	0.7	52.8	41.7
Norway (9)	889	46.5	40.2	46.3	40.2	46.3	10.8	2.7	48.6	44.6
Oman	1642	28.7	27.0	67.2	27.0	67.2	5.5	0.3	33.6	23.9
Palestinian Nat'l Auth.	1298	18.5	17.4	76.7	17.4	76.7	5.0	0.8	21.4	15.6
Portugal	769	39.1	34.0	52.9	34.0	52.9	12.6	0.4	43.2	35.2
Qatar	593	30.6	28.7	65.3	28.7	65.3	5.8	0.2	31.3	29.8
Romania	525	35.6	32.0	57.9	32.0	57.9	9.6	0.5	37.0	34.1
Saudi Arabia	1172	19.9	19.4	77.9	19.4	77.9	2.4	0.3	22.4	17.6
Singapore	401	63.4	63.1	36.4	63.1	36.4	0.5	0.0	68.7	59.2
Sweden	717	57.1	52.5	39.5	52.5	39.5	6.9	1.1	58.9	55.4
Turkiye	693	57.9	50.6	36.8	50.6	36.8	12.0	0.6	63.1	52.2
United Arab Emirates	5292	40.4	38.8	57.1	38.8	57.1	3.7	0.4	42.5	38.5
United States	1156	35.1	34.1	62.9	34.1	62.9	2.6	0.4	38.6	32.0
Uzbekistan	606	21.4	19.5	71.7	19.5	71.7	7.7	1.1	24.6	17.9
International Avg. (40)	39179	42.0	38.2	52.2	38.2	52.2	8.9	0.7	44.4	39.6
Abu Dhabi, UAE	2405	33.5	31.8	63.1	31.8	63.1	4.6	0.6	36.5	30.5
Dubai, UAE	1156	59.4	57.4	39.3	57.4	39.3	3.2	0.1	58.1	60.6
Sharjah, UAE	885	39.6	38.5	58.6	38.5	58.6	2.3	0.6	43.5	35.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_ME5_11A ME82312A: How many white t-shirts - April - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1186	36.0	33.9	60.3	33.9	60.3	3.1	2.8	34.0	37.6
Austria	642	51.0	47.6	45.7	47.6	45.7	4.8	1.9	52.8	49.5
Azerbaijan	869	62.2	52.4	31.9	52.4	31.9	11.8	3.9	64.3	60.2
Bahrain	201	52.3	51.1	46.5	51.1	46.5	2.4	0.0	52.7	52.1
Brazil	3172	14.3	12.6	75.4	12.6	75.4	6.6	5.4	13.8	14.8
Chile	636	21.0	17.2	64.9	17.2	64.9	10.0	7.9	24.2	18.3
Chinese Taipei	469	79.6	78.7	20.2	78.7	20.2	1.1	0.0	77.7	81.2
Cyprus	589	34.9	30.5	56.9	30.5	56.9	9.6	3.0	33.8	35.9
Czech Republic	1147	58.5	54.1	38.5	54.1	38.5	5.4	1.9	56.8	59.9
England	592	59.0	54.4	37.8	54.4	37.8	6.3	1.5	52.1	64.9
Finland	805	42.3	39.6	54.1	39.6	54.1	3.9	2.3	40.8	43.7
France	635	41.2	36.7	52.4	36.7	52.4	8.2	2.6	39.4	42.9
Georgia	685	48.5	40.9	43.4	40.9	43.4	11.0	4.8	54.7	42.6
Hong Kong SAR	636	81.5	78.8	17.9	78.8	17.9	2.4	1.0	81.4	81.5
Hungary	759	58.1	55.5	40.1	55.5	40.1	3.8	0.7	54.3	61.4
Ireland	722	56.6	53.1	40.8	53.1	40.8	3.9	2.3	50.4	62.3
Israel	730	44.5	40.1	50.1	40.1	50.1	6.7	3.2	45.8	43.3
Italy	646	46.5	42.2	48.5	42.2	48.5	7.8	1.5	44.6	48.2
Japan	326	73.6	69.2	24.8	69.2	24.8	4.7	1.3	73.2	74.1
Jordan	1387	13.6	13.2	83.8	13.2	83.8	2.1	0.9	14.6	12.7
Kazakhstan	893	27.6	25.3	66.4	25.3	66.4	6.7	1.7	28.8	26.6
Korea, Rep. of	363	72.5	69.9	26.5	69.9	26.5	2.7	0.9	74.7	70.0
Lithuania	751	52.7	49.5	44.3	49.5	44.3	5.6	0.6	51.7	53.7
Malaysia	1233	20.7	20.5	78.5	20.5	78.5	0.7	0.4	19.2	22.3
Malta	548	54.2	50.9	43.1	50.9	43.1	3.9	2.2	55.5	52.9
Morocco	1732	14.6	12.7	74.0	12.7	74.0	9.0	4.3	14.1	15.2
New Zealand	550	36.9	34.0	58.0	34.0	58.0	6.3	1.8	34.1	39.2
Norway (9)	888	41.7	36.1	50.5	36.1	50.5	8.0	5.3	45.0	39.0
Oman	1639	25.1	24.1	71.8	24.1	71.8	2.9	1.2	28.2	22.2
Palestinian Nat'l Auth.	1299	11.3	10.8	84.9	10.8	84.9	2.9	1.4	14.3	8.3
Portugal	769	37.0	34.5	58.9	34.5	58.9	4.5	2.1	37.7	36.3
Qatar	593	33.5	31.9	63.4	31.9	63.4	3.3	1.4	31.1	35.7
Romania	526	59.9	56.2	37.6	56.2	37.6	3.7	2.4	58.5	61.4
Saudi Arabia	1171	16.8	16.4	81.0	16.4	81.0	1.5	1.1	18.1	15.7
Singapore	401	84.2	84.0	15.7	84.0	15.7	0.0	0.3	87.2	81.8
Sweden	717	59.7	55.0	37.2	55.0	37.2	5.5	2.3	56.0	63.0
Turkiye	693	53.3	49.2	43.2	49.2	43.2	5.0	2.6	57.3	48.9
United Arab Emirates	5301	44.0	42.6	54.2	42.6	54.2	2.2	1.0	41.5	46.6
United States	1157	32.7	31.9	65.6	31.9	65.6	1.8	0.6	31.9	33.6
Uzbekistan	606	29.3	27.4	66.0	27.4	66.0	4.8	1.9	31.4	27.2
International Avg. (40)	38664	44.6	41.6	51.4	41.6	51.4	4.9	2.1	44.4	44.7
Abu Dhabi, UAE	2407	34.2	32.9	63.2	32.9	63.2	2.7	1.2	32.0	36.5
Dubai, UAE	1159	65.7	63.5	33.1	63.5	33.1	2.7	0.7	59.7	71.6
Sharjah, UAE	889	47.8	46.9	51.1	46.9	51.1	0.9	1.1	46.3	49.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

B_ME5_11B ME82312B: How many white t-shirts - May - CR - 1 Point

COUNTRY	N	DIFF %	1 %	0 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1187	43.2	39.9	52.4	39.9	52.4	3.9	3.8	40.5	45.5
Austria	642	45.3	40.5	48.8	40.5	48.8	7.8	3.0	44.1	46.3
Azerbaijan	869	60.7	50.7	32.8	50.7	32.8	9.1	7.4	63.8	57.7
Bahrain	723	22.6	21.1	72.1	21.1	72.1	4.7	2.2	22.4	22.9
Brazil	3166	12.3	10.3	73.9	10.3	73.9	8.2	7.6	11.0	13.5
Chile	635	18.6	14.4	62.9	14.4	62.9	12.2	10.4	14.6	21.9
Chinese Taipei	469	79.8	79.4	20.1	79.4	20.1	0.5	0.0	79.5	80.1
Cyprus	588	40.9	35.3	51.0	35.3	51.0	7.1	6.5	37.9	43.6
Czech Republic	1146	52.3	45.1	41.1	45.1	41.1	10.2	3.5	47.4	56.4
England	592	62.5	55.9	33.5	55.9	33.5	6.8	3.8	57.4	66.9
Finland	805	45.8	42.4	50.2	42.4	50.2	3.9	3.6	45.0	46.6
France	635	38.8	33.7	53.1	33.7	53.1	7.8	5.4	33.4	43.5
Georgia	685	45.8	35.1	41.5	35.1	41.5	14.2	9.2	46.7	45.0
Hong Kong SAR	636	81.3	78.6	18.1	78.6	18.1	1.1	2.3	79.0	83.7
Hungary	759	53.2	48.9	43.0	48.9	43.0	5.7	2.4	49.9	56.0
Ireland	722	57.1	51.9	39.0	51.9	39.0	4.9	4.3	54.5	59.6
Israel	730	47.3	40.1	44.7	40.1	44.7	9.7	5.6	47.3	47.3
Italy	645	61.2	55.6	35.2	55.6	35.2	5.8	3.4	58.8	63.4
Japan	326	76.3	73.8	22.9	73.8	22.9	1.8	1.5	73.7	79.1
Jordan	1388	12.5	11.5	80.7	11.5	80.7	6.0	1.8	12.0	13.0
Kazakhstan	893	33.2	28.9	58.0	28.9	58.0	9.6	3.6	32.0	34.3
Korea, Rep. of	363	78.5	76.0	20.8	76.0	20.8	1.6	1.6	81.0	75.7
Lithuania	751	51.3	46.7	44.3	46.7	44.3	6.1	2.8	48.8	53.5
Malaysia	1233	23.6	23.1	74.9	23.1	74.9	1.2	0.8	23.1	24.2
Malta	548	48.8	44.5	46.8	44.5	46.8	4.9	3.8	47.1	50.4
Morocco	1734	14.2	11.7	70.4	11.7	70.4	10.5	7.4	12.9	15.4
New Zealand	550	42.2	38.2	52.3	38.2	52.3	5.7	3.8	40.8	43.3
Norway (9)	889	48.3	40.8	43.6	40.8	43.6	7.8	7.9	54.1	43.5
Oman	1642	25.1	23.0	68.9	23.0	68.9	6.0	2.1	30.0	20.2
Palestinian Nat'l Auth.	1301	11.1	10.1	80.9	10.1	80.9	6.5	2.5	13.2	9.0
Portugal	769	41.2	36.9	52.6	36.9	52.6	7.6	2.9	38.3	43.9
Qatar	593	31.2	29.3	64.8	29.3	64.8	3.5	2.4	28.9	33.3
Romania	526	53.2	48.3	42.5	48.3	42.5	5.9	3.2	52.4	54.1
Saudi Arabia	1172	14.9	14.0	79.6	14.0	79.6	4.7	1.6	13.4	16.4
Singapore	401	82.7	82.3	17.2	82.3	17.2	0.2	0.3	84.0	81.6
Sweden	717	62.6	57.5	34.4	57.5	34.4	4.3	3.8	62.0	63.1
Turkiye	693	54.5	49.2	41.1	49.2	41.1	5.1	4.6	58.6	50.2
United Arab Emirates	5303	42.8	40.6	54.3	40.6	54.3	3.4	1.8	40.5	45.0
United States	1156	33.6	32.6	64.4	32.6	64.4	2.0	1.1	32.4	34.8
Uzbekistan	606	31.5	27.6	59.9	27.6	59.9	9.4	3.0	32.2	30.8
International Avg. (40)	39188	44.6	40.6	49.7	40.6	49.7	5.9	3.7	43.6	45.4
Abu Dhabi, UAE	2408	32.7	30.8	63.5	30.8	63.5	3.4	2.3	31.2	34.2
Dubai, UAE	1160	63.9	60.8	34.4	60.8	34.4	3.1	1.6	58.6	69.0
Sharjah, UAE	889	46.1	43.7	51.0	43.7	51.0	3.8	1.5	44.5	47.7

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