

Mathematics: Number / Knowing
MP04_01 MP71013: 1000 - 403 = - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	83.7	81.8	2.8	4.4	8.7	2.0	0.2	82.9	84.4
Cyprus	1203	73.1	70.6	7.0	7.4	11.6	2.2	1.2	70.1	76.1
Iran, Islamic Rep. of	1522	53.3	46.3	12.4	11.6	16.4	9.9	3.3	50.2	56.5
International Avg. (3)	3751	70.0	66.2	7.4	7.8	12.3	4.7	1.6	67.7	72.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
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Mathematics: Number / Reasoning

MP04_02 MP71026: Number that makes three sentences true - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	68.0	61.6	29.0	61.6	29.0	9.2	0.2	68.6	67.3
Cyprus	1203	65.4	58.4	30.9	58.4	30.9	9.5	1.3	63.0	67.7
Iran, Islamic Rep. of	1522	26.5	18.2	50.5	18.2	50.5	27.7	3.6	27.9	24.9
International Avg. (3)	3751	53.3	46.1	36.8	46.1	36.8	15.4	1.7	53.2	53.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

MP04_03 MP71036: Make two number sentences true (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	74.6	72.5	24.7	72.5	24.7	2.1	0.8	76.7	72.5
Cyprus	1203	68.4	66.0	30.4	66.0	30.4	1.7	1.9	67.5	69.4
Iran, Islamic Rep. of	1522	40.7	35.2	51.3	35.2	51.3	9.0	4.4	41.2	40.1
International Avg. (3)	3751	61.2	57.9	35.5	57.9	35.5	4.3	2.3	61.8	60.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

MP04_03A MP71036A: Make two number sentences true - $5 + A$ is greater than 12 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	84.6	82.1	15.0	82.1	15.0	2.1	0.8	86.7	82.5
Cyprus	1203	79.7	76.8	19.6	76.8	19.6	1.7	1.9	77.9	81.4
Iran, Islamic Rep. of	1522	56.8	48.6	37.1	48.6	37.1	9.9	4.4	56.8	56.7
International Avg. (3)	3751	73.7	69.2	23.9	69.2	23.9	4.6	2.3	73.8	73.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

MP04_03B MP71036B: Make two number sentences true - 20 - B is greater than 15 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	79.8	76.4	19.3	76.4	19.3	3.5	0.8	82.8	76.9
Cyprus	1203	73.0	70.4	26.0	70.4	26.0	1.7	1.9	73.3	72.7
Iran, Islamic Rep. of	1522	45.8	38.7	45.8	38.7	45.8	11.1	4.4	45.5	46.2
International Avg. (3)	3751	66.2	61.8	30.4	61.8	30.4	5.4	2.3	67.2	65.3

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

MP04_04 MP71040: Expression for total bags for tennis and soccer balls - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	63.6	11.0	12.6	10.6	59.7	5.1	1.0	64.4	62.8
Cyprus	1203	53.4	13.5	16.9	12.3	49.0	6.1	2.1	49.0	57.7
Iran, Islamic Rep. of	1522	22.5	24.2	15.7	16.3	16.4	22.6	4.8	21.7	23.4
International Avg. (3)	3751	46.5	16.2	15.1	13.1	41.7	11.3	2.6	45.0	48.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Knowing

MP04_05 MP71068: Estimate height of Building B - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	51.9	19.3	21.3	50.4	6.1	1.8	1.1	51.9	52.0
Cyprus	1203	54.3	15.1	22.1	51.5	6.2	1.9	3.2	50.7	57.8
Iran, Islamic Rep. of	1522	41.7	24.1	19.9	36.8	7.4	6.1	5.7	39.2	44.1
International Avg. (3)	3751	49.3	19.5	21.1	46.2	6.5	3.3	3.3	47.3	51.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying
 MP04_06A MP71075A: Steps across classroom - length - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	54.3	49.9	41.9	49.9	41.9	6.9	1.3	52.4	56.2
Cyprus	1203	42.4	37.0	50.2	37.0	50.2	9.0	3.8	31.4	52.6
Iran, Islamic Rep. of	1522	32.4	25.7	53.6	25.7	53.6	14.6	6.1	27.2	37.9
International Avg. (3)	3751	43.1	37.5	48.6	37.5	48.6	10.2	3.7	37.0	48.9

Mathematics: Measurement and Geometry / Applying

MP04_06B MP71075B: Steps across classroom - width - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	39.0	33.6	52.5	33.6	52.5	12.4	1.5	36.6	41.5
Cyprus	1203	18.4	14.8	65.8	14.8	65.8	14.5	4.9	9.5	26.5
Iran, Islamic Rep. of	1522	14.6	9.8	57.6	9.8	57.6	25.1	7.6	11.4	18.2
International Avg. (3)	3751	24.0	19.4	58.6	19.4	58.6	17.3	4.7	19.2	28.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Reasoning
MP04_07 MP71080: Weight of watermelon - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	72.3	11.8	8.3	6.8	70.2	1.5	1.5	69.8	74.7
Cyprus	1203	57.0	11.9	15.2	12.8	52.8	1.4	6.0	52.0	61.9
Iran, Islamic Rep. of	1522	35.1	23.8	18.3	14.0	30.4	5.2	8.2	30.2	40.1
International Avg. (3)	3751	54.8	15.8	13.9	11.2	51.1	2.7	5.2	50.7	58.9

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying

MP04_08 MP71211: Path parallel to Mary's path - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	48.8	42.5	13.6	31.0	42.5	44.6	11.4	1.5	48.8	48.8
Cyprus	1203	43.8	36.5	7.4	39.4	36.5	46.8	10.2	6.6	43.6	44.0
Iran, Islamic Rep. of	1522	33.5	20.8	10.1	31.3	20.8	41.4	28.4	9.3	31.5	36.0
International Avg. (3)	3751	42.0	33.3	10.4	33.9	33.3	44.3	16.7	5.8	41.3	42.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing

MP04_09 MP71178: Properties of two pentagons (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	41.9	38.6	53.6	38.6	53.6	6.3	1.5	42.8	41.0
Cyprus	1203	46.7	40.2	45.9	40.2	45.9	5.8	8.1	45.7	47.6
Iran, Islamic Rep. of	1522	21.1	16.4	61.2	16.4	61.2	10.7	11.7	23.4	18.7
International Avg. (3)	3751	36.6	31.7	53.6	31.7	53.6	7.6	7.1	37.3	35.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing

MP04_09A MP71178A: Properties of two pentagons - 5 sides - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	80.4	12.1	4.4	67.9	14.1	1.5	82.7	78.2
Cyprus	1203	84.6	7.7	5.3	71.7	7.3	8.1	86.6	82.7
Iran, Islamic Rep. of	1522	68.1	10.6	12.2	48.8	16.6	11.7	70.4	65.6
International Avg. (3)	3751	77.7	10.1	7.3	62.8	12.6	7.1	79.9	75.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing

MP04_09B MP71178B: Properties of two pentagons - sides equal length - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	88.1	3.8	76.3	6.5	11.9	1.5	89.8	86.5
Cyprus	1203	85.5	5.3	72.5	7.0	7.1	8.1	84.1	86.8
Iran, Islamic Rep. of	1522	69.8	8.8	46.6	11.3	21.4	11.7	69.3	70.4
International Avg. (3)	3751	81.1	6.0	65.1	8.3	13.5	7.1	81.1	81.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing
MP04_09C MP71178C: Properties of two pentagons - perimeter of 15 - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	57.9	16.7	19.1	49.3	13.3	1.5	57.3	58.6
Cyprus	1203	61.1	14.7	17.9	51.2	8.2	8.1	59.5	62.7
Iran, Islamic Rep. of	1522	43.9	17.3	19.0	28.4	23.5	11.7	43.8	44.0
International Avg. (3)	3751	54.3	16.2	18.6	43.0	15.0	7.1	53.5	55.1

DIFF = Percent correct
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Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data / Knowing
MP04_10B MP71135B: Scores in game - Round 2 and Round 3 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	78.7	70.5	19.1	70.5	19.1	7.8	2.6	78.7	78.7
Cyprus	1203	42.5	36.4	49.3	36.4	49.3	3.2	11.1	40.2	44.8
Iran, Islamic Rep. of	1521	61.9	47.3	29.1	47.3	29.1	8.7	14.9	61.2	62.7
International Avg. (3)	3750	61.0	51.4	32.5	51.4	32.5	6.5	9.6	60.0	62.0

DIFF = Percent correct
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Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Data / Reasoning

MP04_11 MP71201: Graphs of snowfall from two years - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	41.2	31.8	45.4	31.8	45.4	17.2	5.6	39.8	42.7
Cyprus	1203	28.9	19.0	46.9	19.0	46.9	21.7	12.3	27.7	30.0
Iran, Islamic Rep. of	1522	12.2	6.2	45.1	6.2	45.1	31.7	17.0	14.2	9.9
International Avg. (3)	3751	27.4	19.0	45.8	19.0	45.8	23.5	11.6	27.2	27.5

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 / Applying

MP04_12 MP71175: Number of origami animals (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	66.7	40.3	31.4	12.2	40.3	31.4	12.2	7.8	8.3	65.9	67.6
Cyprus	1203	59.2	28.5	32.7	14.5	28.5	32.7	14.5	6.5	17.9	57.1	61.4
Iran, Islamic Rep. of	1522	30.9	9.0	21.8	33.7	9.0	21.8	33.7	12.6	22.9	29.6	32.2
International Avg. (3)	3751	52.3	25.9	28.6	20.1	25.9	28.6	20.1	9.0	16.3	50.8	53.7

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 / Applying

MP04_12A MP71175A: Number of origami animals - blue - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	63.3	52.9	30.7	52.9	30.7	8.0	8.3	62.6	64.0
Cyprus	1203	58.2	43.8	31.5	43.8	31.5	6.9	17.9	58.8	57.6
Iran, Islamic Rep. of	1522	29.2	18.1	43.9	18.1	43.9	15.1	22.9	29.6	28.9
International Avg. (3)	3751	50.2	38.3	35.4	38.3	35.4	10.0	16.3	50.3	50.2

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 / Applying

MP04_12B MP71175B: Number of origami animals - red - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	77.1	64.3	19.2	64.3	19.2	8.2	8.3	76.2	77.9
Cyprus	1203	71.5	53.6	21.4	53.6	21.4	7.1	17.9	68.9	74.0
Iran, Islamic Rep. of	1522	35.6	21.7	39.2	21.7	39.2	16.3	22.9	34.3	37.0
International Avg. (3)	3751	61.4	46.6	26.6	46.6	26.6	10.5	16.3	59.8	63.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data / Applying

MP04_12C MP71175C: Number of origami animals - yellow - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	61.2	50.8	32.2	50.8	32.2	8.7	8.3	59.8	62.6
Cyprus	1203	54.7	41.0	34.0	41.0	34.0	7.1	17.9	49.6	59.6
Iran, Islamic Rep. of	1522	29.9	17.8	41.8	17.8	41.8	17.5	22.9	27.9	32.0
International Avg. (3)	3751	48.6	36.5	36.0	36.5	36.0	11.1	16.3	45.8	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: Number / Applying
MP08_01 MP71018: Seeds left over - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	55.5	14.8	22.7	54.7	6.3	1.4	0.1	56.7	54.4
Cyprus	1208	57.6	11.1	22.6	55.9	7.4	1.7	1.3	55.5	59.8
Iran, Islamic Rep. of	1534	45.9	16.9	20.8	41.0	10.4	7.6	3.3	46.7	45.2
International Avg. (3)	3770	53.0	14.3	22.0	50.5	8.1	3.6	1.6	53.0	53.1

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

MP08_02 MP71009: Number added to 73 with sum of 1068 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	71 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	71.3	66.9	5.9	1.7	19.4	66.9	27.0	5.9	0.1	68.6	73.7
Cyprus	1208	47.1	41.1	5.5	1.8	38.8	41.1	46.1	10.9	1.8	43.9	50.5
Iran, Islamic Rep. of	1534	28.0	19.6	0.4	0.3	49.7	19.6	50.4	26.5	3.5	22.6	33.2
International Avg. (3)	3770	48.8	42.6	3.9	1.3	35.9	42.6	41.2	14.4	1.8	45.0	52.5

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
MP08_03 MP71037: Make the number sentence true - $A \times B = 13 - C$ - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	74.9	70.0	23.4	70.0	23.4	6.3	0.3	75.0	74.9
Cyprus	1208	57.3	48.8	36.4	48.8	36.4	12.1	2.7	54.6	60.1
Iran, Islamic Rep. of	1534	22.1	16.0	56.3	16.0	56.3	23.3	4.5	23.1	21.2
International Avg. (3)	3770	51.4	44.9	38.7	44.9	38.7	13.9	2.5	50.9	52.1

Mathematics: Number / Applying

MP08_04 MP71051: Amount of time practicing piano - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	38.0	35.4	41.9	15.9	35.4	57.8	6.4	0.4	32.5	43.1
Cyprus	1208	28.6	26.1	53.7	11.5	26.1	65.2	5.3	3.5	26.9	30.3
Iran, Islamic Rep. of	1534	16.4	14.0	52.2	19.3	14.0	71.5	9.3	5.3	13.4	19.1
International Avg. (3)	3770	27.6	25.1	49.3	15.6	25.1	64.8	7.0	3.1	24.3	30.8

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
MP08_05 MP71064: Number equal to 8 tens and 2 tenths - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	47.1	25.1	43.6	20.1	3.9	7.0	0.4	40.1	53.3
Cyprus	1208	42.0	12.0	39.1	33.6	8.3	2.5	4.5	38.7	45.4
Iran, Islamic Rep. of	1534	28.8	14.9	24.8	41.8	4.7	8.0	5.8	25.4	32.0
International Avg. (3)	3770	39.3	17.3	35.8	31.8	5.6	5.8	3.6	34.7	43.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
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Mathematics: Measurement and Geometry / Knowing

MP08_06 MP71169: Water drank from water bottle - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	50.6	47.9	7.2	39.7	47.9	46.8	4.6	0.6	41.8	58.5
Cyprus	1208	35.0	31.8	14.3	44.8	31.8	59.1	4.1	4.9	25.0	45.4
Iran, Islamic Rep. of	1534	12.9	11.1	16.7	57.9	11.1	74.6	8.0	6.3	6.2	19.2
International Avg. (3)	3770	32.8	30.3	12.7	47.5	30.3	60.2	5.6	4.0	24.3	41.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Reasoning
MP08_07 MP71083: Movie that Terry is available to see - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	60.3	9.8	17.1	55.0	9.3	8.1	0.8	60.0	60.6
Cyprus	1208	54.2	12.2	19.7	46.4	7.2	8.5	6.0	50.9	57.5
Iran, Islamic Rep. of	1534	27.2	18.2	21.8	18.8	10.1	23.4	7.7	22.8	31.6
International Avg. (3)	3770	47.3	13.4	19.5	40.0	8.9	13.3	4.8	44.6	49.9

Mathematics: Measurement and Geometry / Reasoning
MP08_09 MP71184: Length of sides of 6-sided figure - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	46.2	14.9	44.1	18.4	18.1	3.1	1.4	44.1	48.0
Cyprus	1208	37.5	15.1	31.7	20.9	16.9	6.7	8.7	32.4	42.7
Iran, Islamic Rep. of	1533	27.0	17.1	20.1	18.5	18.9	15.0	10.5	26.2	27.7
International Avg. (3)	3769	36.9	15.7	32.0	19.3	18.0	8.2	6.9	34.2	39.5

Mathematics: Data / Reasoning
MP08_10 MP71141: Questions about soccer teams (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	36.4	30.4	53.0	30.4	53.0	14.7	2.0	34.6	38.2
Cyprus	1208	37.3	27.4	46.2	27.4	46.2	16.0	10.4	32.2	42.5
Iran, Islamic Rep. of	1533	14.7	9.3	53.9	9.3	53.9	23.9	12.9	9.1	20.6
International Avg. (3)	3769	29.5	22.4	51.0	22.4	51.0	18.2	8.4	25.3	33.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
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Mathematics: Data / Reasoning

MP08_10A MP71141A: Questions about soccer teams - Lions won - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	95.8	78.0	3.4	16.7	2.0	96.8	94.9
Cyprus	1208	87.8	64.2	8.9	16.4	10.4	86.8	88.9
Iran, Islamic Rep. of	1533	87.2	51.8	7.6	27.7	12.9	84.1	90.5
International Avg. (3)	3769	90.3	64.7	6.6	20.3	8.4	89.2	91.4

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 / Reasoning
MP08_10B MP71141B: Questions about soccer teams - won first two games - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	67.7	25.2	53.0	19.8	2.0	69.3	66.3
Cyprus	1208	69.6	21.5	49.3	18.8	10.4	66.0	73.6
Iran, Islamic Rep. of	1533	49.4	25.7	25.1	36.3	12.9	48.2	50.6
International Avg. (3)	3769	62.2	24.2	42.5	25.0	8.4	61.1	63.5

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 / Reasoning

MP08_10C MP71141C: Questions about soccer teams - Cheetahs and Panthers - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	51.3	37.6	39.7	20.6	2.0	48.8	53.7
Cyprus	1208	55.8	31.1	39.2	19.3	10.4	53.4	58.3
Iran, Islamic Rep. of	1533	33.2	34.4	17.0	35.7	12.9	26.4	40.3
International Avg. (3)	3769	46.8	34.4	32.0	25.2	8.4	42.9	50.8

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 / Reasoning

MP08_10D MP71141D: Questions about soccer teams - won more than lost - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	88.3	67.4	8.9	21.7	2.0	87.7	88.8
Cyprus	1208	83.3	58.1	11.6	19.9	10.4	81.2	85.6
Iran, Islamic Rep. of	1533	78.2	38.2	10.7	38.3	12.9	73.8	83.1
International Avg. (3)	3769	83.3	54.5	10.4	26.6	8.4	80.9	85.8

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 / Applying

MP08_11 MP71194: Graph of weather last month - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	71 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	80.6	69.0	3.3	2.8	10.6	69.0	16.6	9.5	4.8	78.5	82.4
Cyprus	1208	80.6	63.5	2.9	3.5	9.0	63.5	15.3	7.1	14.0	81.1	79.9
Iran, Islamic Rep. of	1534	58.1	39.2	4.3	3.2	20.8	39.2	28.3	15.8	16.7	59.1	57.0
International Avg. (3)	3770	73.1	57.3	3.5	3.1	13.5	57.3	20.1	10.8	11.8	72.9	73.1

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 / Applying

MP08_12 MP71193: Birdhouses (DERIVED) - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	11 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	31.1	20.3	2.2	11.6	53.3	20.3	13.7	53.3	7.0	5.7	29.7	32.3
Cyprus	1208	66.7	45.4	4.3	5.4	20.2	45.4	9.7	20.2	7.6	17.2	65.5	68.0
Iran, Islamic Rep. of	1534	19.7	8.5	2.0	9.2	52.1	8.5	11.2	52.1	9.9	18.3	19.4	20.0
International Avg. (3)	3770	39.2	24.7	2.8	8.7	41.9	24.7	11.5	41.9	8.1	13.7	38.2	40.1

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 / Applying
MP08_12A MP71193A: Birdhouses - number each symbol represents - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	26.8	22.4	61.2	22.4	61.2	10.6	5.7	25.1	28.3
Cyprus	1208	66.6	49.7	24.9	49.7	24.9	8.3	17.2	65.8	67.4
Iran, Islamic Rep. of	1534	15.8	10.6	56.1	10.6	56.1	15.0	18.3	14.5	17.1
International Avg. (3)	3770	36.4	27.5	47.4	27.5	47.4	11.3	13.7	35.1	37.6

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 / Applying

MP08_12B MP71193B: Birdhouses - pictograph for Type C - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	37.9	31.8	52.2	31.8	52.2	10.2	5.7	36.5	39.1
Cyprus	1208	68.4	50.8	23.5	50.8	23.5	8.5	17.2	66.9	69.8
Iran, Islamic Rep. of	1534	26.2	17.7	49.8	17.7	49.8	14.1	18.3	26.9	25.6
International Avg. (3)	3770	44.2	33.4	41.9	33.4	41.9	10.9	13.7	43.5	44.8

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 / Applying

MP08_13 MP71192: Graph of monthly rainfall - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	26.8	18.2	3.1	52.3	18.2	3.1	52.3	17.2	9.2	23.4	29.7
Cyprus	1208	16.9	8.5	4.7	51.0	8.5	4.7	51.0	15.5	20.3	17.1	16.7
Iran, Islamic Rep. of	1533	25.6	12.6	3.7	40.2	12.6	3.7	40.2	22.0	21.5	24.8	26.4
International Avg. (3)	3769	23.1	13.1	3.8	47.9	13.1	3.8	47.9	18.2	17.0	21.8	24.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing
MP09_01 MP61275: 3126 + 845 + 72 = - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	84.3	5.5	83.3	3.2	6.9	0.7	0.5	86.4	82.4
Cyprus	1202	74.6	9.6	71.8	6.1	8.7	1.8	2.0	71.8	77.3
Iran, Islamic Rep. of	1534	53.5	11.1	46.1	11.2	17.8	11.6	2.2	57.2	49.9
International Avg. (3)	3762	70.8	8.7	67.1	6.8	11.1	4.7	1.6	71.8	69.9

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
MP09_02 MP61027: Sara's 4-digit password - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	76.9	72.4	21.8	72.4	21.8	5.3	0.5	73.1	80.0
Cyprus	1202	82.6	78.0	16.4	78.0	16.4	3.4	2.2	83.0	82.2
Iran, Islamic Rep. of	1534	43.6	37.8	48.8	37.8	48.8	10.7	2.8	45.1	42.1
International Avg. (3)	3762	67.7	62.7	29.0	62.7	29.0	6.5	1.8	67.1	68.1

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

MP09_03 MP61255: Game in Zedland buying bicycles and scooters - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	41.7	25.8	20.5	40.0	25.8	20.5	40.0	13.1	0.7	37.7	45.2
Cyprus	1202	41.7	27.6	18.9	42.2	27.6	18.9	42.2	8.8	2.5	36.7	46.6
Iran, Islamic Rep. of	1535	17.3	5.6	13.6	52.5	5.6	13.6	52.5	24.8	3.4	13.9	20.4
International Avg. (3)	3763	33.6	19.6	17.7	44.9	19.6	17.7	44.9	15.6	2.2	29.4	37.4

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

MP09_04 MP61021: Fill in box to make multiple of 8 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	57.4	52.8	39.3	52.8	39.3	6.8	1.1	59.3	55.7
Cyprus	1202	49.3	44.3	45.7	44.3	45.7	6.9	3.1	49.2	49.3
Iran, Islamic Rep. of	1535	16.9	13.5	66.3	13.5	66.3	14.9	5.3	17.6	16.2
International Avg. (3)	3763	41.2	36.9	50.4	36.9	50.4	9.5	3.2	42.0	40.4

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
MP09_05 MP61043: Difference between Ana and Rui's diving scores - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	56.9	49.2	37.3	49.2	37.3	12.4	1.2	53.5	59.7
Cyprus	1202	44.3	39.9	50.2	39.9	50.2	5.8	4.1	33.7	54.7
Iran, Islamic Rep. of	1535	25.6	20.7	60.0	20.7	60.0	13.3	6.0	24.5	26.8
International Avg. (3)	3763	42.3	36.6	49.2	36.6	49.2	10.5	3.8	37.2	47.1

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
MP09_06 MP61151: Expression to represent Pat's pencils - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	76.2	6.2	13.0	3.9	74.1	1.2	1.6	77.7	75.0
Cyprus	1202	73.9	5.2	12.1	7.3	69.4	1.5	4.6	70.7	77.0
Iran, Islamic Rep. of	1535	50.1	11.3	19.2	10.6	41.3	10.6	7.0	49.6	50.6
International Avg. (3)	3763	66.7	7.6	14.8	7.2	61.6	4.4	4.4	66.0	67.5

Mathematics: Number / Applying
MP09_07 MP61172: Find value of p in number sentence - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	74.6	71.8	8.4	12.9	3.1	1.9	1.8	76.5	73.0
Cyprus	1202	38.6	34.6	26.1	23.3	5.7	5.5	4.7	35.9	41.2
Iran, Islamic Rep. of	1534	18.4	13.6	23.0	25.0	12.3	17.5	8.4	18.9	17.9
International Avg. (3)	3762	43.9	40.0	19.2	20.4	7.0	8.3	5.0	43.8	44.0

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

MP09_08 MP61223: Joan and Cliff meet halfway on number line - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	69.5	6.8	17.9	65.6	4.2	3.2	2.4	68.5	70.3
Cyprus	1202	63.8	4.7	25.0	58.0	3.2	3.6	5.5	64.9	62.7
Iran, Islamic Rep. of	1534	57.9	4.7	19.4	46.6	9.7	9.9	9.6	59.7	56.1
International Avg. (3)	3762	63.7	5.4	20.8	56.7	5.7	5.6	5.8	64.3	63.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Applying
MP09_09 MP61269: Identify solid with top and bottom shown above - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	78.2	4.2	9.6	6.0	70.8	6.6	2.8	79.5	77.0
Cyprus	1202	78.5	6.1	7.9	4.2	66.4	9.0	6.4	79.3	77.6
Iran, Islamic Rep. of	1535	44.1	12.5	13.9	10.2	28.9	24.4	10.2	49.4	38.7
International Avg. (3)	3763	66.9	7.6	10.4	6.8	55.4	13.3	6.5	69.4	64.4

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying

MP09_10A MP61081A: Draw a line parallel to AB through C - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	28.5	23.5	59.0	23.5	59.0	14.5	3.0	26.9	29.8
Cyprus	1202	35.0	25.4	47.1	25.4	47.1	20.1	7.5	36.8	33.3
Iran, Islamic Rep. of	1535	19.3	13.1	54.9	13.1	54.9	20.3	11.6	22.3	16.4
International Avg. (3)	3763	27.6	20.7	53.7	20.7	53.7	18.3	7.4	28.6	26.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying

MP09_10B MP61081B: Draw a line perpendicular to AB through D - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1026	20.7	17.0	65.3	17.0	65.3	8.8	8.9	22.4	19.2
Cyprus	1202	23.3	18.7	61.8	18.7	61.8	7.9	11.5	27.1	19.5
Iran, Islamic Rep. of	1535	27.7	19.7	51.4	19.7	51.4	10.9	18.1	27.2	28.1
International Avg. (3)	3763	23.9	18.5	59.5	18.5	59.5	9.2	12.8	25.6	22.2

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

MP10_02 MP71016: Number of people ferris wheel can take - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	76.3	72.3	22.5	72.3	22.5	5.0	0.2	70.3	81.7
Cyprus	1207	61.9	59.6	36.6	59.6	36.6	3.5	0.3	57.4	66.4
Iran, Islamic Rep. of	1514	39.1	33.2	51.6	33.2	51.6	14.0	1.2	37.5	40.9
International Avg. (3)	3737	59.1	55.0	36.9	55.0	36.9	7.5	0.6	55.1	63.0

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

MP10_03 MP71163: Number of figures made of blocks - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	31.6	30.5	16.7	32.1	17.1	3.3	0.2	27.2	35.4
Cyprus	1207	26.1	25.4	17.0	39.3	15.7	2.2	0.4	20.5	31.4
Iran, Islamic Rep. of	1514	15.4	14.0	13.9	34.5	28.4	7.6	1.6	15.3	15.5
International Avg. (3)	3737	24.4	23.3	15.9	35.3	20.4	4.4	0.7	21.0	27.4

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
MP10_04 MP71045: Stars used in Mallika's pattern - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	59.7	11.8	17.0	57.4	10.0	3.6	0.2	53.4	65.1
Cyprus	1207	54.4	11.1	23.8	52.5	9.1	2.8	0.7	50.4	58.2
Iran, Islamic Rep. of	1514	37.5	17.5	25.2	33.4	12.9	8.5	2.5	37.2	37.8
International Avg. (3)	3737	50.5	13.5	22.0	47.8	10.7	5.0	1.1	47.0	53.7

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

MP10_05 MP71213: Larger number in each pair - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	44.9	41.3	50.6	41.3	50.6	7.8	0.2	42.4	47.1
Cyprus	1207	48.4	47.3	50.3	47.3	50.3	1.0	1.4	41.9	54.8
Iran, Islamic Rep. of	1514	10.0	9.1	81.7	9.1	81.7	6.1	3.1	10.1	9.9
International Avg. (3)	3737	34.5	32.5	60.9	32.5	60.9	5.0	1.6	31.5	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: Measurement and Geometry / Knowing
MP10_06 MP71070: Estimate length of twig - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	69.0	12.1	68.0	13.7	4.7	1.3	0.2	68.5	69.5
Cyprus	1207	59.5	14.7	58.0	16.6	8.1	1.1	1.5	57.1	61.9
Iran, Islamic Rep. of	1514	44.5	15.4	39.8	18.1	16.2	6.8	3.7	45.7	43.2
International Avg. (3)	3737	57.7	14.1	55.3	16.1	9.7	3.1	1.8	57.1	58.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying

MP10_07 MP71181: Rectangle with perimeter of 10 cm - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	55.8	51.2	7.8	32.6	51.2	40.5	8.2	0.2	51.1	59.9
Cyprus	1207	36.5	34.4	18.5	41.1	34.4	59.7	4.2	1.8	34.3	38.7
Iran, Islamic Rep. of	1514	22.7	16.6	11.6	44.9	16.6	56.5	22.5	4.5	25.1	20.2
International Avg. (3)	3737	38.4	34.0	12.6	39.6	34.0	52.2	11.6	2.2	36.8	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: Measurement and Geometry / Knowing

MP10_08 MP71179: Properties of rhombus and rectangle (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	9.9	9.3	84.5	9.3	84.5	5.2	1.0	8.9	10.7
Cyprus	1207	30.4	28.3	64.7	28.3	64.7	4.5	2.5	29.2	31.5
Iran, Islamic Rep. of	1514	17.5	13.9	65.6	13.9	65.6	14.2	6.3	18.6	16.2
International Avg. (3)	3737	19.2	17.1	71.6	17.1	71.6	8.0	3.3	18.9	19.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing
MP10_08A MP71179A: Properties of rhombus and rectangle - 4 equal angles - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	70.6	9.3	64.9	17.6	7.1	1.0	71.5	69.9
Cyprus	1207	67.0	4.9	61.0	25.2	6.4	2.5	65.8	68.2
Iran, Islamic Rep. of	1514	58.6	11.2	41.1	17.9	23.5	6.3	59.0	58.2
International Avg. (3)	3737	65.4	8.5	55.7	20.2	12.3	3.3	65.4	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: Measurement and Geometry / Knowing
MP10_08B MP71179B: Properties of rhombus and rectangle - equal length sides - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	53.4	17.7	24.3	48.2	8.8	1.0	54.1	52.8
Cyprus	1207	76.2	4.9	16.7	69.3	6.6	2.5	74.9	77.5
Iran, Islamic Rep. of	1514	52.5	14.2	18.6	36.3	24.6	6.3	53.3	51.6
International Avg. (3)	3737	60.7	12.3	19.9	51.2	13.3	3.3	60.8	60.6

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing
MP10_08C MP71179C: Properties of rhombus and rectangle - parallel sides - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	30.2	43.4	18.1	26.7	10.9	1.0	27.5	32.5
Cyprus	1207	52.4	29.7	13.4	47.5	6.9	2.5	52.9	52.0
Iran, Islamic Rep. of	1514	54.2	17.6	12.7	35.8	27.6	6.3	55.4	52.8
International Avg. (3)	3737	45.6	30.2	14.7	36.7	15.1	3.3	45.3	45.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Reasoning

MP10_09 MP71067: Shelves needed for new books - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	70 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	25.4	18.0	8.6	7.0	54.2	18.0	8.6	61.2	9.9	2.2	17.5	32.4
Cyprus	1207	22.7	18.3	4.8	7.8	60.3	18.3	4.8	68.1	5.3	3.4	16.4	29.0
Iran, Islamic Rep. of	1514	11.6	6.1	5.0	4.6	58.6	6.1	5.0	63.2	16.4	9.3	8.0	15.4
International Avg. (3)	3737	19.9	14.2	6.1	6.5	57.7	14.2	6.1	64.2	10.5	5.0	13.9	25.6

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 / Knowing
MP10_10A MP71147A: Line graph of Scott's walk - 2 km - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	75.4	67.3	22.0	67.3	22.0	7.8	2.9	72.8	77.6
Cyprus	1207	70.5	63.1	26.4	63.1	26.4	6.7	3.8	66.8	74.2
Iran, Islamic Rep. of	1514	44.9	33.9	41.5	33.9	41.5	13.6	11.1	40.4	49.7
International Avg. (3)	3737	63.6	54.8	30.0	54.8	30.0	9.4	5.9	60.0	67.2

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 / Reasoning

MP10_10B MP71147B: Line graph of Scott's walk - 6 km - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	45.1	40.1	48.7	40.1	48.7	7.7	3.5	38.7	50.7
Cyprus	1207	40.5	36.2	53.2	36.2	53.2	5.4	5.2	32.1	48.9
Iran, Islamic Rep. of	1514	21.9	15.8	56.6	15.8	56.6	14.7	12.9	16.7	27.4
International Avg. (3)	3737	35.8	30.7	52.8	30.7	52.8	9.3	7.2	29.2	42.4

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 / Applying
MP10_11 MP71189: Graph of weights of bears - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	84.4	75.8	14.0	75.8	14.0	6.3	3.8	84.4	84.4
Cyprus	1207	88.1	79.4	10.7	79.4	10.7	4.7	5.3	86.7	89.5
Iran, Islamic Rep. of	1514	76.1	60.1	18.9	60.1	18.9	7.5	13.4	78.1	73.9
International Avg. (3)	3737	82.9	71.8	14.5	71.8	14.5	6.2	7.5	83.1	82.6

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 / Applying
MP10_12A MP71187A: Table of Sarah's beads - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	80.2	69.6	17.2	69.6	17.2	8.9	4.4	81.0	79.5
Cyprus	1207	81.0	69.6	16.4	69.6	16.4	6.2	7.8	81.3	80.7
Iran, Islamic Rep. of	1514	69.3	53.2	23.6	53.2	23.6	9.0	14.2	72.4	65.8
International Avg. (3)	3737	76.8	64.1	19.0	64.1	19.0	8.0	8.8	78.2	75.3

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 / Knowing

MP10_12B MP71187B: Table of Sarah's beads - square beads - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1016	65.8	57.4	29.8	57.4	29.8	5.6	7.3	69.3	62.8
Cyprus	1207	66.0	56.6	29.2	56.6	29.2	3.6	10.7	66.8	65.2
Iran, Islamic Rep. of	1514	52.4	37.3	34.0	37.3	34.0	11.0	17.7	55.0	49.3
International Avg. (3)	3737	61.4	50.4	31.0	50.4	31.0	6.7	11.9	63.7	59.1

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

MP11_01 MP61178: Round Mount Everest height to nearest 1000 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	37.7	34.4	56.8	34.4	56.8	8.7	0.1	33.8	41.0
Cyprus	1208	59.1	53.6	37.2	53.6	37.2	7.7	1.5	53.6	64.0
Iran, Islamic Rep. of	1513	24.8	16.5	49.9	16.5	49.9	31.9	1.7	24.1	25.6
International Avg. (3)	3729	40.5	34.8	48.0	34.8	48.0	16.1	1.1	37.2	43.5

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 / Knowing
MP11_02 MP61246: Number that is even and multiple of 7 - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	67.6	16.0	6.3	66.1	9.4	2.0	0.1	67.3	67.8
Cyprus	1208	62.8	22.8	6.5	58.2	5.3	5.7	1.6	63.0	62.5
Iran, Islamic Rep. of	1513	34.4	22.9	13.3	28.5	18.1	15.3	2.0	38.5	30.0
International Avg. (3)	3729	54.9	20.6	8.7	50.9	10.9	7.6	1.3	56.3	53.4

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
MP11_03 MP61271: 6 x 312 = - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	87.2	84.9	12.5	84.9	12.5	2.5	0.1	87.9	86.5
Cyprus	1208	72.9	69.0	25.6	69.0	25.6	3.8	1.6	73.9	72.0
Iran, Islamic Rep. of	1513	58.8	49.7	34.8	49.7	34.8	13.1	2.4	63.4	53.7
International Avg. (3)	3729	73.0	67.9	24.3	67.9	24.3	6.5	1.4	75.1	70.8

Mathematics: Number / Reasoning
MP11_04 MP61256: Mark and Keith's card game - can Keith win - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	50.3	48.0	47.4	48.0	47.4	4.4	0.1	52.2	48.7
Cyprus	1208	41.7	39.2	54.9	39.2	54.9	3.9	2.0	38.1	44.9
Iran, Islamic Rep. of	1513	11.5	10.5	81.1	10.5	81.1	5.8	2.6	10.5	12.6
International Avg. (3)	3729	34.5	32.6	61.1	32.6	61.1	4.7	1.6	33.6	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 / Applying

MP11_05 MP61182: Total amount of juice Zara and Khattab have - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	11.8	9.7	72.6	9.7	72.6	17.3	0.4	9.9	13.4
Cyprus	1208	16.1	14.3	74.6	14.3	74.6	8.4	2.7	9.3	22.3
Iran, Islamic Rep. of	1513	25.4	22.6	66.4	22.6	66.4	8.0	2.9	28.9	21.6
International Avg. (3)	3729	17.8	15.6	71.2	15.6	71.2	11.2	2.0	16.0	19.1

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
MP11_06 MP61049: Choose operation for box in number sentence - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	88.7	4.2	2.3	87.1	4.5	1.3	0.6	89.4	88.2
Cyprus	1208	85.6	3.4	1.7	75.7	7.7	7.9	3.6	82.6	88.2
Iran, Islamic Rep. of	1513	63.3	6.9	6.2	53.4	17.8	11.7	4.0	63.2	63.5
International Avg. (3)	3729	79.2	4.8	3.4	72.1	10.0	7.0	2.7	78.4	80.0

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

MP11_07 MP61232: Expression for players on teams in football league - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	64.1	61.7	16.9	10.4	7.2	3.1	0.6	66.0	62.5
Cyprus	1208	59.0	55.1	21.5	11.3	5.5	2.9	3.8	55.8	61.8
Iran, Islamic Rep. of	1513	41.1	34.4	18.0	15.5	15.6	11.8	4.7	43.7	38.4
International Avg. (3)	3729	54.7	50.4	18.8	12.4	9.5	5.9	3.0	55.2	54.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Knowing
MP11_08 MP61095: Identify angle types from diagram in a table - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	72.6	68.1	25.8	68.1	25.8	5.3	0.9	76.5	69.2
Cyprus	1208	69.2	60.6	27.0	60.6	27.0	8.2	4.2	70.6	67.9
Iran, Islamic Rep. of	1513	42.7	35.2	47.2	35.2	47.2	11.7	5.9	44.7	40.6
International Avg. (3)	3729	61.5	54.6	33.3	54.6	33.3	8.4	3.6	64.0	59.2

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

MP11_09 MP61264: Label points on the Snail path - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	11 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	50.0	30.7	17.4	5.4	30.8	30.7	22.8	30.8	14.2	1.5	49.7	50.2
Cyprus	1208	39.5	19.3	19.6	5.7	36.4	19.3	25.3	36.4	14.0	5.0	37.4	41.3
Iran, Islamic Rep. of	1513	27.5	9.8	2.6	13.7	39.2	9.8	16.3	39.2	27.8	7.0	28.3	26.6
International Avg. (3)	3729	39.0	19.9	13.2	8.2	35.4	19.9	21.5	35.4	18.7	4.5	38.5	39.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Reasoning
MP11_10 MP61108: Choose cardboard for Julia's hexagonal box - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	52.1	19.3	49.3	14.2	11.7	3.5	1.9	55.6	49.2
Cyprus	1208	59.7	16.4	54.4	14.7	5.7	2.8	6.1	64.0	55.9
Iran, Islamic Rep. of	1513	32.3	28.8	26.0	13.5	12.2	10.1	9.3	32.0	32.6
International Avg. (3)	3729	48.1	21.5	43.3	14.1	9.9	5.5	5.8	50.5	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: Data / Knowing

MP11_11A MP61211A: Fruit market - pieces of fruit sold on Monday - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	49.7	47.2	14.2	33.6	47.2	47.8	2.8	2.2	51.4	48.3
Cyprus	1208	47.0	42.7	10.7	37.4	42.7	48.1	1.9	7.3	46.0	47.8
Iran, Islamic Rep. of	1513	11.3	9.5	22.4	52.2	9.5	74.6	5.9	10.0	12.9	9.6
International Avg. (3)	3729	36.0	33.1	15.7	41.1	33.1	56.8	3.5	6.5	36.8	35.2

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 / Applying

MP11_11B MP61211B: Fruit market - apples sold on Tuesday - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1008	61.0	12.1	58.3	9.9	15.3	2.1	2.3	63.2	59.1
Cyprus	1208	54.4	14.7	47.8	12.2	13.2	3.8	8.4	52.6	56.0
Iran, Islamic Rep. of	1513	40.6	10.7	32.4	18.5	18.1	9.2	11.2	42.3	38.8
International Avg. (3)	3729	52.0	12.5	46.2	13.5	15.5	5.0	7.3	52.7	51.3

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

MP12_01 MP71001: Number equal to two thousand, five hundred twenty-two - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	83.4	5.1	8.8	2.5	82.2	1.1	0.3	81.4	85.2
Cyprus	1208	90.6	3.2	4.1	1.9	88.6	1.7	0.5	89.9	91.2
Iran, Islamic Rep. of	1520	65.9	8.0	14.9	7.9	59.6	7.8	1.9	65.6	66.3
International Avg. (3)	3756	80.0	5.4	9.3	4.1	76.8	3.5	0.9	79.0	80.9

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

MP12_02 MP71010: Money Sue spent on clothes - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	70.4	67.0	28.2	67.0	28.2	4.4	0.3	73.8	67.4
Cyprus	1208	61.1	58.5	37.2	58.5	37.2	3.8	0.5	60.4	61.8
Iran, Islamic Rep. of	1520	37.2	33.0	55.7	33.0	55.7	9.0	2.3	38.6	35.8
International Avg. (3)	3756	56.3	52.9	40.3	52.9	40.3	5.7	1.1	57.6	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 / Knowing
MP12_03 MP71062: $2.34 + 0.2 =$ - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	12.9	74.4	12.0	4.4	2.5	6.2	0.6	11.6	14.0
Cyprus	1208	24.6	68.6	23.8	1.7	2.8	2.4	0.6	22.7	26.3
Iran, Islamic Rep. of	1520	10.1	63.8	8.8	5.9	9.1	9.3	3.1	12.1	8.0
International Avg. (3)	3756	15.8	68.9	14.9	4.0	4.8	6.0	1.4	15.5	16.1

Mathematics: Number / Knowing
MP12_04A MP71216A: Grace's rule - find P and Q (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	79.3	69.4	18.2	69.4	18.2	11.4	1.0	80.6	78.0
Cyprus	1208	84.9	77.6	13.8	77.6	13.8	7.6	0.9	82.5	87.1
Iran, Islamic Rep. of	1520	47.9	35.0	38.1	35.0	38.1	22.8	4.1	48.0	47.8
International Avg. (3)	3756	70.7	60.7	23.3	60.7	23.3	13.9	2.0	70.4	71.0

Mathematics: Number / Knowing
MP12_04AA MP71216AA: Grace's rule - find P and Q - P - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	82.2	71.9	15.6	71.9	15.6	11.5	1.0	85.3	79.4
Cyprus	1208	88.1	80.5	10.9	80.5	10.9	7.6	0.9	86.6	89.4
Iran, Islamic Rep. of	1520	53.5	37.8	32.9	37.8	32.9	25.2	4.1	53.0	54.1
International Avg. (3)	3756	74.6	63.4	19.8	63.4	19.8	14.8	2.0	75.0	74.3

Mathematics: Number / Knowing
MP12_04AB MP71216AB: Grace's rule - find P and Q - Q - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	80.8	70.0	16.7	70.0	16.7	12.3	1.0	82.0	79.7
Cyprus	1208	85.5	78.1	13.3	78.1	13.3	7.7	0.9	83.3	87.3
Iran, Islamic Rep. of	1520	52.1	35.8	32.9	35.8	32.9	27.2	4.1	52.4	51.8
International Avg. (3)	3756	72.8	61.3	20.9	61.3	20.9	15.7	2.0	72.6	73.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
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Mathematics: Number / Reasoning
MP12_04B MP71216B: Grace's rule - backwards - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	53.7	46.4	6.3	33.8	46.4	40.0	12.2	1.3	53.5	53.9
Cyprus	1208	63.3	57.0	2.1	30.9	57.0	33.0	8.7	1.4	59.9	66.3
Iran, Islamic Rep. of	1520	36.4	27.5	1.5	46.5	27.5	48.0	18.8	5.7	34.5	38.4
International Avg. (3)	3756	51.1	43.6	3.3	37.1	43.6	40.4	13.2	2.8	49.3	52.9

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
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Mathematics: Measurement and Geometry / Knowing

MP12_05 MP71117: Two shapes to make rectangle - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	50.4	46.9	46.2	46.9	46.2	5.4	1.5	56.6	45.0
Cyprus	1208	50.5	47.3	46.3	47.3	46.3	4.5	1.9	48.4	52.5
Iran, Islamic Rep. of	1520	69.8	56.3	24.3	56.3	24.3	13.2	6.2	69.5	70.2
International Avg. (3)	3756	56.9	50.2	38.9	50.2	38.9	7.7	3.2	58.2	55.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Applying
MP12_06 MP71071: Estimate length of Box B - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	52.8	36.5	50.9	7.1	1.9	2.1	1.5	45.1	59.6
Cyprus	1208	53.8	35.5	52.0	7.2	1.9	1.2	2.2	44.6	62.0
Iran, Islamic Rep. of	1520	46.7	30.9	40.7	8.5	7.1	5.8	7.1	42.7	50.7
International Avg. (3)	3756	51.1	34.3	47.9	7.6	3.6	3.0	3.6	44.2	57.5

Mathematics: Measurement and Geometry / Reasoning

MP12_07 MP71098: Number of cubes to fill box - CR - 2 Points

COUNTRY	N	DIFF %	20 %	10 %	11 %	70 %	79 %	2pt %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	32.5	17.5	5.6	17.0	4.2	44.4	17.5	22.5	48.6	9.7	1.7	31.2	33.6
Cyprus	1208	34.3	18.4	3.3	22.8	3.1	44.1	18.4	26.2	47.2	5.9	2.3	29.9	38.2
Iran, Islamic Rep. of	1520	14.9	4.9	3.5	9.3	2.9	55.3	4.9	12.8	58.2	16.5	7.5	13.1	16.9
International Avg. (3)	3756	27.2	13.6	4.1	16.4	3.4	47.9	13.6	20.5	51.3	10.7	3.8	24.7	29.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data / Knowing

MP12_08A MP71134A: Jars of jam - made on Monday - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	57.2	20.5	11.7	54.2	8.4	3.1	2.1	58.7	55.8
Cyprus	1208	66.2	17.8	8.7	62.2	5.2	2.6	3.5	60.8	71.3
Iran, Islamic Rep. of	1520	46.6	22.5	11.9	39.2	10.5	6.6	9.4	45.7	47.6
International Avg. (3)	3756	56.7	20.3	10.8	51.8	8.0	4.1	5.0	55.1	58.2

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 / Applying

MP12_08B MP71134B: Jars of jam - difference on Wednesday and Tuesday - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	41.5	37.3	1.7	50.9	37.3	52.6	7.6	2.5	43.1	40.0
Cyprus	1208	47.8	43.9	4.7	43.3	43.9	48.0	3.2	4.9	43.3	51.9
Iran, Islamic Rep. of	1520	27.7	21.5	2.0	54.3	21.5	56.3	10.7	11.5	26.9	28.5
International Avg. (3)	3756	39.0	34.2	2.8	49.5	34.2	52.3	7.2	6.3	37.8	40.2

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 / Applying

MP12_09 MP71202: Bar graph of cake sale - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	67.8	59.0	28.0	59.0	28.0	10.0	2.9	73.3	62.9
Cyprus	1208	65.4	56.3	29.9	56.3	29.9	8.4	5.4	65.0	65.7
Iran, Islamic Rep. of	1520	45.2	30.2	36.7	30.2	36.7	20.3	12.8	49.0	40.8
International Avg. (3)	3756	59.4	48.5	31.5	48.5	31.5	12.9	7.0	62.4	56.5

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 / Reasoning

MP12_10 MP71190: Pie chart of Ben's Day - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	54.0	48.6	11.9	29.5	48.6	41.4	6.1	3.9	59.3	49.4
Cyprus	1208	55.1	48.1	15.1	24.0	48.1	39.2	4.0	8.8	55.1	55.2
Iran, Islamic Rep. of	1520	30.8	22.5	14.1	36.4	22.5	50.4	11.4	15.7	34.4	27.0
International Avg. (3)	3756	46.7	39.7	13.7	30.0	39.7	43.7	7.2	9.4	49.6	43.8

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 / Reasoning

MP12_11 MP71218: Line graph of Ben and Ana's heights - CR - 1 Point

COUNTRY	N	DIFF %	10 %	11 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1028	13.5	10.2	2.2	80.0	12.5	80.0	2.9	4.6	13.8	13.2
Cyprus	1208	14.3	7.0	5.0	71.8	12.0	71.8	5.7	10.5	11.2	17.2
Iran, Islamic Rep. of	1520	6.8	3.6	1.6	72.2	5.3	72.2	4.8	17.8	7.3	6.3
International Avg. (3)	3756	11.5	7.0	3.0	74.7	9.9	74.7	4.5	10.9	10.8	12.2

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
MP13_01 MP61240: Place value expansion (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	54.3	52.0	25.7	18.1	52.0	43.8	3.5	0.7	49.9	58.2
Cyprus	1203	56.2	53.9	29.8	12.2	53.9	42.0	3.0	1.1	48.1	64.1
Iran, Islamic Rep. of	1520	25.8	22.9	29.4	36.5	22.9	65.9	8.5	2.7	21.0	30.6
International Avg. (3)	3766	45.4	42.9	28.3	22.2	42.9	50.6	5.0	1.5	39.7	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: Number / Knowing
MP13_01A MP61240A: Place value expansion - 3h + 58o - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	81.6	75.4	17.0	7.0	0.7	76.2	86.5
Cyprus	1203	88.6	84.5	10.9	3.5	1.1	85.1	92.0
Iran, Islamic Rep. of	1520	70.3	58.4	24.7	14.2	2.7	65.4	75.1
International Avg. (3)	3766	80.2	72.8	17.5	8.2	1.5	75.6	84.5

Mathematics: Number / Knowing

MP13_01B MP61240B: Place value expansion - $3h + 4t + 18o$ - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	72.8	67.3	25.1	6.9	0.7	73.7	72.0
Cyprus	1203	66.1	61.9	31.8	5.1	1.1	59.5	72.5
Iran, Islamic Rep. of	1520	46.3	36.8	42.7	17.7	2.7	42.5	50.2
International Avg. (3)	3766	61.7	55.4	33.2	9.9	1.5	58.6	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 / Knowing
MP13_01C MP61240C: Place value expansion - 3h + 15t + 8o - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	85.8	12.9	77.7	8.8	0.7	83.5	87.9
Cyprus	1203	90.1	9.3	84.4	5.2	1.1	87.0	93.1
Iran, Islamic Rep. of	1520	78.4	16.6	60.5	20.1	2.7	76.4	80.5
International Avg. (3)	3766	84.8	12.9	74.2	11.4	1.5	82.3	87.2

Mathematics: Number / Applying

MP13_02 MP61254: Complete the table for Mia's input-output game - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	57.0	49.9	14.6	23.1	49.9	37.7	11.5	1.0	59.2	55.0
Cyprus	1203	48.7	44.3	22.6	24.1	44.3	46.6	7.6	1.5	43.8	53.5
Iran, Islamic Rep. of	1520	45.1	36.9	17.2	27.7	36.9	44.8	14.6	3.7	46.9	43.2
International Avg. (3)	3766	50.3	43.7	18.1	25.0	43.7	43.1	11.2	2.1	50.0	50.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Reasoning

MP13_03 MP61244: Choose true statement about 2 and 3 digit numbers - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	76.3	9.1	7.9	72.1	5.4	4.4	1.1	78.3	74.5
Cyprus	1203	71.5	6.7	12.4	65.0	6.9	7.2	1.8	69.3	73.6
Iran, Islamic Rep. of	1520	60.8	10.2	11.9	46.3	7.7	19.4	4.4	58.4	63.3
International Avg. (3)	3766	69.5	8.7	10.7	61.1	6.7	10.3	2.5	68.7	70.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing
MP13_04 MP61041: Identify number between 1.4 and 1.78 - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	43.0	14.9	39.2	20.4	16.6	7.8	1.1	38.2	47.5
Cyprus	1203	43.0	17.6	39.7	21.9	13.0	5.6	2.2	32.0	53.6
Iran, Islamic Rep. of	1520	29.3	12.6	21.9	20.9	19.3	20.2	5.2	27.3	31.3
International Avg. (3)	3766	38.5	15.0	33.6	21.1	16.3	11.2	2.8	32.5	44.1

Mathematics: Number / Knowing
MP13_05 MP61173: Find the value of w in number sentence - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	55.0	52.0	42.5	52.0	42.5	4.4	1.1	55.2	54.8
Cyprus	1203	65.5	60.1	31.7	60.1	31.7	5.9	2.3	60.2	70.6
Iran, Islamic Rep. of	1520	40.5	25.4	37.4	25.4	37.4	31.6	5.6	40.8	40.1
International Avg. (3)	3766	53.7	45.8	37.2	45.8	37.2	14.0	3.0	52.1	55.2

Mathematics: Number / Applying
MP13_06 MP61252: Expression to find number of books Luke read - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	49.1	5.7	3.8	40.0	47.8	1.5	1.2	49.0	49.2
Cyprus	1203	43.2	8.1	10.3	36.4	41.7	0.8	2.7	38.3	48.0
Iran, Islamic Rep. of	1520	33.1	12.5	6.7	38.6	28.6	7.0	6.6	27.8	38.4
International Avg. (3)	3766	41.8	8.8	6.9	38.3	39.3	3.1	3.5	38.3	45.2

Mathematics: Number / Applying
MP13_07 MP61261: Find the next number for Ian's number pattern - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	57.3	50.9	38.0	50.9	38.0	9.8	1.4	59.5	55.2
Cyprus	1203	54.7	49.4	41.0	49.4	41.0	6.5	3.0	48.8	60.1
Iran, Islamic Rep. of	1520	28.9	20.9	51.5	20.9	51.5	20.5	7.1	26.1	31.8
International Avg. (3)	3766	46.9	40.4	43.5	40.4	43.5	12.3	3.8	44.8	49.1

Mathematics: Measurement and Geometry / Applying

MP13_08 MP61224: Draw angle MNP larger than a right angle - CR - 1 Point

COUNTRY	N	DIFF %	10 %	12 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	74.9	55.5	10.1	22.0	65.6	22.0	10.2	2.2	77.4	72.7
Cyprus	1203	53.7	40.8	8.4	42.4	49.2	42.4	4.8	3.7	51.2	56.1
Iran, Islamic Rep. of	1520	43.9	22.3	9.4	40.6	31.7	40.6	19.0	8.7	44.7	43.0
International Avg. (3)	3766	57.5	39.5	9.3	35.0	48.8	35.0	11.3	4.9	57.8	57.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Reasoning
MP13_09 MP61077: View of building from above - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	63.7	60.9	13.4	17.6	3.7	1.8	2.7	61.1	66.1
Cyprus	1203	42.5	39.4	24.7	26.3	2.3	3.1	4.2	37.2	47.7
Iran, Islamic Rep. of	1520	46.6	36.8	12.6	27.3	2.4	11.0	9.8	42.4	50.7
International Avg. (3)	3766	50.9	45.7	16.9	23.7	2.8	5.3	5.6	46.9	54.9

Mathematics: Data / Knowing

MP13_10A MP61069A: Time for Ahmed to read 10 pages - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	70.0	63.7	27.3	63.7	27.3	6.1	2.9	72.8	67.5
Cyprus	1203	68.6	62.0	28.4	62.0	28.4	4.6	5.1	66.1	71.0
Iran, Islamic Rep. of	1520	44.1	35.3	44.8	35.3	44.8	8.9	11.0	43.1	45.1
International Avg. (3)	3766	60.9	53.7	33.5	53.7	33.5	6.5	6.4	60.7	61.2

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 / Applying

MP13_10B MP61069B: Number of pages Ahmed reads in 60 minutes - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1043	52.9	47.5	42.3	47.5	42.3	4.3	5.8	50.8	54.9
Cyprus	1203	54.9	48.8	40.1	48.8	40.1	4.0	7.1	51.2	58.3
Iran, Islamic Rep. of	1520	33.1	24.7	49.8	24.7	49.8	9.9	15.6	29.9	36.3
International Avg. (3)	3766	47.0	40.3	44.1	40.3	44.1	6.1	9.5	44.0	49.8

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
MP14_01 MP71024: 927/3 = - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	74.2	71.1	24.7	71.1	24.7	4.0	0.2	74.7	73.7
Cyprus	1193	48.5	45.1	47.8	45.1	47.8	6.9	0.1	41.3	55.3
Iran, Islamic Rep. of	1522	23.9	17.7	56.2	17.7	56.2	25.0	1.1	20.7	27.3
International Avg. (3)	3746	48.9	44.6	42.9	44.6	42.9	12.0	0.5	45.6	52.1

Mathematics: Number / Applying
MP14_02 MP71008: Heights of Khalifa and Shanghai towers - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	80.1	8.5	6.8	4.1	78.6	1.7	0.3	82.6	77.9
Cyprus	1193	66.5	9.1	15.1	8.8	65.6	1.2	0.1	63.4	69.5
Iran, Islamic Rep. of	1522	46.3	20.2	17.1	11.6	42.1	7.6	1.4	47.8	44.7
International Avg. (3)	3746	64.3	12.6	13.0	8.2	62.1	3.5	0.6	64.6	64.0

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
MP14_03 MP71165: Expression for marbles Linda has left - MC - Key: D

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	69.6	6.3	9.2	14.2	67.9	2.2	0.3	71.7	67.6
Cyprus	1193	62.1	6.8	6.3	23.8	60.6	2.3	0.2	55.6	68.3
Iran, Islamic Rep. of	1522	42.0	15.8	10.6	23.9	36.4	11.5	1.8	39.4	44.6
International Avg. (3)	3746	57.9	9.6	8.7	20.6	55.0	5.3	0.8	55.6	60.2

Mathematics: Number / Applying
MP14_04 MP71049: Rule for number pattern - 6, 10, 14, 18, 22 - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	64.5	56.3	9.0	21.9	56.3	30.9	12.4	0.4	67.5	61.7
Cyprus	1193	74.1	69.7	10.5	13.9	69.7	24.4	5.6	0.3	73.7	74.4
Iran, Islamic Rep. of	1522	71.8	53.6	1.1	19.9	53.6	21.0	23.0	2.4	70.5	73.4
International Avg. (3)	3746	70.2	59.9	6.9	18.6	59.9	25.4	13.7	1.0	70.6	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 / Applying

MP14_05 MP71063: Money spent on book, notebook and pencils - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	56.2	49.8	38.9	49.8	38.9	10.9	0.4	56.2	56.2
Cyprus	1193	47.4	43.8	48.7	43.8	48.7	6.6	0.9	42.6	52.1
Iran, Islamic Rep. of	1522	20.9	15.8	59.7	15.8	59.7	21.1	3.4	20.9	20.9
International Avg. (3)	3746	41.5	36.5	49.1	36.5	49.1	12.9	1.6	39.9	43.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Knowing
MP14_06 MP71079: Speed shown on speedometer - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	39.5	4.3	46.1	38.8	9.1	1.3	0.4	36.7	42.0
Cyprus	1193	43.9	4.0	39.8	42.4	10.5	2.1	1.2	38.0	49.5
Iran, Islamic Rep. of	1522	23.8	13.7	42.6	21.2	11.5	6.6	4.4	22.1	25.5
International Avg. (3)	3746	35.7	7.4	42.8	34.2	10.4	3.3	2.0	32.3	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: Measurement and Geometry / Knowing
MP14_07 MP71081: Hours to travel from Town A to Town B - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	63.4	58.3	3.2	30.4	58.3	33.6	7.7	0.4	58.3	68.1
Cyprus	1193	54.2	49.3	3.3	38.5	49.3	41.7	7.0	2.0	42.3	65.3
Iran, Islamic Rep. of	1522	38.9	29.3	3.7	42.3	29.3	46.0	18.7	6.0	32.1	45.9
International Avg. (3)	3746	52.2	45.6	3.4	37.0	45.6	40.4	11.1	2.8	44.2	59.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent
Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying
MP14_08 MP71094: Area of rectangle on grid - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	45.9	22.2	42.4	12.8	15.0	6.6	1.0	43.6	48.0
Cyprus	1193	58.9	11.7	54.7	17.3	9.2	4.4	2.7	56.0	61.7
Iran, Islamic Rep. of	1522	43.6	19.6	36.0	15.1	11.9	10.1	7.3	43.9	43.2
International Avg. (3)	3746	49.5	17.8	44.4	15.1	12.0	7.1	3.7	47.8	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: Measurement and Geometry / Reasoning

MP14_09 MP71177: Complete the shape given 3 conditions - CR - 1 Point

COUNTRY	N	DIFF %	10 %	70 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	47.8	42.2	32.4	13.8	42.2	46.2	10.4	1.2	50.6	45.1
Cyprus	1193	45.8	41.9	31.8	17.8	41.9	49.6	5.2	3.3	47.9	43.6
Iran, Islamic Rep. of	1522	34.6	24.8	21.8	25.3	24.8	47.0	20.0	8.1	39.8	28.6
International Avg. (3)	3746	42.7	36.3	28.7	19.0	36.3	47.6	11.8	4.2	46.1	39.1

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 / Knowing
MP14_10 MP71206: Type of coin with most total value - MC - Key: C

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	74.8	7.5	4.4	71.6	12.2	2.5	1.7	77.4	72.5
Cyprus	1193	71.9	6.4	6.8	67.8	13.3	2.0	3.7	70.9	72.9
Iran, Islamic Rep. of	1522	54.0	9.5	8.0	45.4	21.3	6.7	9.1	52.8	55.1
International Avg. (3)	3746	66.9	7.8	6.4	61.6	15.6	3.8	4.8	67.0	66.9

Mathematics: Data / Reasoning

MP14_11A MP71138A: Students at school - statements about graph (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	50.5	46.4	45.4	46.4	45.4	6.3	1.9	47.7	53.2
Cyprus	1193	56.9	51.8	39.2	51.8	39.2	4.4	4.6	49.5	63.9
Iran, Islamic Rep. of	1522	23.7	18.7	60.4	18.7	60.4	10.2	10.6	20.7	27.0
International Avg. (3)	3746	43.7	39.0	48.3	39.0	48.3	7.0	5.7	39.3	48.0

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 / Reasoning
MP14_11AA MP71138AA: Students at school - statements about graph - most students - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	83.9	75.6	14.6	8.0	1.9	81.9	85.7
Cyprus	1193	86.6	78.5	12.1	4.8	4.6	83.7	89.4
Iran, Islamic Rep. of	1522	74.8	56.1	18.9	14.3	10.6	73.4	76.3
International Avg. (3)	3746	81.8	70.1	15.2	9.0	5.7	79.7	83.8

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 / Reasoning
MP14_11AB MP71138AB: Students at school - statements about graph - Benton - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	82.1	73.2	16.0	8.9	1.9	80.7	83.4
Cyprus	1193	87.7	79.4	11.2	4.8	4.6	84.3	90.8
Iran, Islamic Rep. of	1522	60.6	45.0	29.3	15.0	10.6	58.4	63.0
International Avg. (3)	3746	76.8	65.9	18.8	9.6	5.7	74.5	79.1

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 / Reasoning
MP14_11AC MP71138AC: Students at school - statements about graph - Wilson - MC - Key: B

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	65.9	30.4	58.7	9.0	1.9	64.3	67.4
Cyprus	1193	70.1	26.7	62.7	6.0	4.6	65.0	75.0
Iran, Islamic Rep. of	1522	49.0	36.4	34.9	18.1	10.6	45.8	52.6
International Avg. (3)	3746	61.7	31.2	52.1	11.0	5.7	58.4	65.0

Mathematics: Data / Reasoning

MP14_11B MP71138B: Students at school - Arne's statement - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	32.1	29.5	62.3	29.5	62.3	4.9	3.3	31.8	32.4
Cyprus	1193	36.9	32.9	56.2	32.9	56.2	4.3	6.7	31.2	42.2
Iran, Islamic Rep. of	1522	8.8	7.1	72.9	7.1	72.9	6.6	13.3	7.2	10.6
International Avg. (3)	3746	26.0	23.1	63.8	23.1	63.8	5.3	7.8	23.4	28.4

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 / Applying
MP14_12 MP71203: Graph that best shows target hits - MC - Key: A

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	43.2	33.9	14.3	21.8	8.5	18.1	3.4	41.8	44.6
Cyprus	1193	33.9	25.3	18.5	22.2	8.7	17.5	7.8	31.0	36.6
Iran, Islamic Rep. of	1522	48.6	27.4	9.5	13.9	5.6	29.1	14.4	50.0	46.9
International Avg. (3)	3746	41.9	28.9	14.1	19.3	7.6	21.6	8.6	40.9	42.7

Mathematics: Data / Applying
MP14_13 MP71205: Ages of children at skate park (DERIVED) - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	49.3	42.8	44.0	42.8	44.0	8.1	5.1	50.0	48.6
Cyprus	1193	37.7	30.1	49.7	30.1	49.7	8.4	11.9	36.7	38.6
Iran, Islamic Rep. of	1522	14.5	9.6	56.4	9.6	56.4	15.1	18.9	14.4	14.6
International Avg. (3)	3746	33.9	27.5	50.0	27.5	50.0	10.5	12.0	33.7	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: Data / Applying
MP14_13A MP71205A: Ages of children at skate park - A - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	77.2	66.8	19.7	66.8	19.7	8.4	5.1	79.6	75.1
Cyprus	1193	70.6	56.0	23.3	56.0	23.3	8.8	11.9	71.0	70.2
Iran, Islamic Rep. of	1522	42.5	27.0	36.4	27.0	36.4	17.7	18.9	42.3	42.8
International Avg. (3)	3746	63.5	49.9	26.5	49.9	26.5	11.6	12.0	64.3	62.7

Mathematics: Data / Applying

MP14_13B MP71205B: Ages of children at skate park - B - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	77.4	66.3	19.3	66.3	19.3	9.2	5.1	80.6	74.5
Cyprus	1193	71.6	56.7	22.5	56.7	22.5	8.9	11.9	72.0	71.2
Iran, Islamic Rep. of	1522	45.1	28.2	34.3	28.2	34.3	18.6	18.9	45.7	44.4
International Avg. (3)	3746	64.7	50.4	25.4	50.4	25.4	12.3	12.0	66.1	63.4

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 / Applying

MP14_13C MP71205C: Ages of children at skate park - C - CR - 1 Point

COUNTRY	N	DIFF %	10 %	79 %	1pt %	0pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	1031	57.5	48.2	35.6	48.2	35.6	11.1	5.1	56.7	58.3
Cyprus	1193	42.4	33.6	45.6	33.6	45.6	8.9	11.9	39.9	44.8
Iran, Islamic Rep. of	1522	22.2	13.1	46.0	13.1	46.0	22.0	18.9	21.9	22.6
International Avg. (3)	3746	40.7	31.7	42.4	31.7	42.4	14.0	12.0	39.5	41.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent

Produced by TIMSS & PIRLS International Study Center at Boston College