

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	79.0	76.8	5.7	5.5	9.2	2.6	0.2	78.5	79.6
	2023	1026	83.7	81.8	2.8	4.4	8.7	2.0	0.2	82.9	84.4
Cyprus	2019	587	68.2	67.7	8.8	9.0	13.8	0.5	0.2	63.4	74.0
	2023	1203	73.1	70.6	7.0	7.4	11.6	2.2	1.2	70.1	76.1
Iran, Islamic Rep. of	2019	856	54.1	49.4	10.4	15.4	16.1	7.8	0.8	52.4	55.8
	2023	1522	53.3	46.3	12.4	11.6	16.4	9.9	3.3	50.2	56.5
International Avg. (3)	2019	2058	67.1	64.7	8.3	10.0	13.0	3.6	0.4	64.8	69.8
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	65.9	30.5	58.8	10.6	0.2	63.3	68.6
	2023	1026	68.0	29.0	61.6	9.2	0.2	68.6	67.3
Cyprus	2019	587	61.7	36.3	58.5	4.9	0.2	55.8	68.7
	2023	1203	65.4	30.9	58.4	9.5	1.3	63.0	67.7
Iran, Islamic Rep. of	2019	856	28.9	56.6	23.0	19.0	1.5	30.2	27.7
	2023	1522	26.5	50.5	18.2	27.7	3.6	27.9	24.9
International Avg. (3)	2019	2058	52.1	41.1	46.8	11.5	0.6	49.8	55.0
	2023	3751	53.3	36.8	46.1	15.4	1.7	53.2	53.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	72.3	26.7	69.7	3.2	0.4	70.7	73.9
	2023	1026	74.6	24.7	72.5	2.1	0.8	76.7	72.5
Cyprus	2019	587	74.1	25.6	73.5	0.4	0.4	74.5	73.8
	2023	1203	68.4	30.4	66.0	1.7	1.9	67.5	69.4
Iran, Islamic Rep. of	2019	856	44.8	49.6	40.2	8.3	2.0	43.2	46.3
	2023	1522	40.7	51.3	35.2	9.0	4.4	41.2	40.1
International Avg. (3)	2019	2058	63.7	34.0	61.1	4.0	0.9	62.8	64.6
	2023	3751	61.2	35.5	57.9	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	78.5	20.8	75.7	3.2	0.4	77.0	80.0
	2023	1026	84.6	15.0	82.1	2.1	0.8	86.7	82.5
Cyprus	2019	587	80.9	18.9	80.3	0.4	0.4	81.4	80.4
	2023	1203	79.7	19.6	76.8	1.7	1.9	77.9	81.4
Iran, Islamic Rep. of	2019	856	58.5	37.0	52.2	8.9	2.0	58.9	58.2
	2023	1522	56.8	37.1	48.6	9.9	4.4	56.8	56.7
International Avg. (3)	2019	2058	72.6	25.5	69.4	4.2	0.9	72.4	72.9
	2023	3751	73.7	23.9	69.2	4.6	2.3	73.8	73.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	78.0	21.1	74.8	3.7	0.4	75.9	80.2
	2023	1026	79.8	19.3	76.4	3.5	0.8	82.8	76.9
Cyprus	2019	587	80.9	19.0	80.2	0.4	0.4	80.3	81.6
	2023	1203	73.0	26.0	70.4	1.7	1.9	73.3	72.7
Iran, Islamic Rep. of	2019	856	52.3	41.4	45.4	11.2	2.0	49.4	55.1
	2023	1522	45.8	45.8	38.7	11.1	4.4	45.5	46.2
International Avg. (3)	2019	2058	70.4	27.2	66.8	5.1	0.9	68.5	72.3
	2023	3751	66.2	30.4	61.8	5.4	2.3	67.2	65.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	54.7	21.8	12.1	9.7	52.7	3.3	0.4	53.7	55.8
	2023	1026	63.6	11.0	12.6	10.6	59.7	5.1	1.0	64.4	62.8
Cyprus	2019	587	56.4	11.9	19.9	10.3	54.4	3.2	0.4	53.5	60.1
	2023	1203	53.4	13.5	16.9	12.3	49.0	6.1	2.1	49.0	57.7
Iran, Islamic Rep. of	2019	856	28.0	25.0	19.0	16.0	23.3	13.9	2.8	29.1	27.1
	2023	1522	22.5	24.2	15.7	16.3	16.4	22.6	4.8	21.7	23.4
International Avg. (3)	2019	2058	46.4	19.5	17.0	12.0	43.5	6.8	1.2	45.4	47.7
	2023	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	44.6	24.3	26.3	44.2	4.2	0.2	0.8	39.9	49.4
	2023	1026	51.9	19.3	21.3	50.4	6.1	1.8	1.1	51.9	52.0
Cyprus	2019	587	53.6	15.4	26.2	53.0	4.2	0.7	0.5	46.0	62.9
	2023	1203	54.3	15.1	22.1	51.5	6.2	1.9	3.2	50.7	57.8
Iran, Islamic Rep. of	2019	856	42.1	28.5	18.2	39.2	7.3	2.9	3.8	38.9	45.0
	2023	1522	41.7	24.1	19.9	36.8	7.4	6.1	5.7	39.2	44.1
International Avg. (3)	2019	2058	46.8	22.8	23.5	45.5	5.2	1.3	1.7	41.6	52.4
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	51.3	43.9	46.2	8.9	1.0	47.0	55.8
	2023	1026	54.3	41.9	49.9	6.9	1.3	52.4	56.2
Cyprus	2019	587	45.2	52.5	43.3	3.6	0.5	38.3	53.6
	2023	1203	42.4	50.2	37.0	9.0	3.8	31.4	52.6
Iran, Islamic Rep. of	2019	856	33.1	57.3	28.3	10.3	4.1	28.4	37.3
	2023	1522	32.4	53.6	25.7	14.6	6.1	27.2	37.9
International Avg. (3)	2019	2058	43.2	51.2	39.3	7.6	1.9	37.9	48.9
	2023	3751	43.1	48.6	37.5	10.2	3.7	37.0	48.9

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Applying
MP04_06B MP71075B: Steps across classroom - width - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	49.9	43.4	43.2	12.2	1.1	46.6	53.5
	2023	1026	39.0	52.5	33.6	12.4	1.5	36.6	41.5
Cyprus	2019	587	23.1	69.7	20.9	7.9	1.5	15.9	31.7
	2023	1203	18.4	65.8	14.8	14.5	4.9	9.5	26.5
Iran, Islamic Rep. of	2019	856	15.0	66.6	11.8	15.6	6.1	11.0	18.8
	2023	1522	14.6	57.6	9.8	25.1	7.6	11.4	18.2
International Avg. (3)	2019	2058	29.3	59.9	25.3	11.9	2.9	24.5	34.6
	2023	3751	24.0	58.6	19.4	17.3	4.7	19.2	28.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	55.2	21.5	12.9	9.6	54.1	0.9	1.1	53.0	57.4
	2023	1026	72.3	11.8	8.3	6.8	70.2	1.5	1.5	69.8	74.7
Cyprus	2019	587	55.2	16.2	15.0	12.2	53.7	0.8	2.0	46.9	65.3
	2023	1203	57.0	11.9	15.2	12.8	52.8	1.4	6.0	52.0	61.9
Iran, Islamic Rep. of	2019	856	38.6	25.3	16.2	13.6	34.6	3.6	6.8	34.3	42.5
	2023	1522	35.1	23.8	18.3	14.0	30.4	5.2	8.2	30.2	40.1
International Avg. (3)	2019	2058	49.7	21.0	14.7	11.8	47.5	1.8	3.3	44.7	55.0
	2023	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

Mathematics: Measurement and Geometry / Applying
MP04_08 MP71211: Path parallel to Mary's path - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	51.4	42.4	44.9	11.7	1.1	49.8	53.2
	2023	1026	48.8	44.6	42.5	11.4	1.5	48.8	48.8
Cyprus	2019	587	59.5	37.4	54.9	5.4	2.3	56.6	62.9
	2023	1203	43.8	46.8	36.5	10.2	6.6	43.6	44.0
Iran, Islamic Rep. of	2019	856	46.4	38.5	33.3	20.9	7.3	44.4	48.3
	2023	1522	33.5	41.4	20.8	28.4	9.3	31.5	36.0
International Avg. (3)	2019	2058	52.4	39.4	44.4	12.7	3.6	50.3	54.8
	2023	3751	42.0	44.3	33.3	16.7	5.8	41.3	42.9

DIFF = Percent correct
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Mathematics: Measurement and Geometry / Knowing
MP04_09 MP71178: Properties of two pentagons (DERIVED) - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	37.9	55.2	33.7	8.7	2.5	33.8	42.0
	2023	1026	41.9	53.6	38.6	6.3	1.5	42.8	41.0
Cyprus	2019	587	48.3	49.5	46.3	1.5	2.7	49.9	46.5
	2023	1203	46.7	45.9	40.2	5.8	8.1	45.7	47.6
Iran, Islamic Rep. of	2019	856	23.0	63.7	19.1	8.3	9.0	25.4	20.9
	2023	1522	21.1	61.2	16.4	10.7	11.7	23.4	18.7
International Avg. (3)	2019	2058	36.4	56.1	33.0	6.1	4.7	36.4	36.5
	2023	3751	36.6	53.6	31.7	7.6	7.1	37.3	35.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Knowing
MP04_09A MP71178A: Properties of two pentagons - 5 sides - MC - Key: C

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	77.6	12.0	6.1	63.1	16.3	2.5	77.8	77.5
	2023	1026	80.4	12.1	4.4	67.9	14.1	1.5	82.7	78.2
Cyprus	2019	587	88.0	6.3	5.1	83.1	2.8	2.7	90.5	85.0
	2023	1203	84.6	7.7	5.3	71.7	7.3	8.1	86.6	82.7
Iran, Islamic Rep. of	2019	856	77.5	10.8	6.5	59.6	14.2	9.0	79.7	75.4
	2023	1522	68.1	10.6	12.2	48.8	16.6	11.7	70.4	65.6
International Avg. (3)	2019	2058	81.0	9.7	5.9	68.6	11.1	4.7	82.6	79.3
	2023	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

Mathematics: Measurement and Geometry / Knowing

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	87.2	4.7	72.6	5.9	14.3	2.5	86.8	87.6
	2023	1026	88.1	3.8	76.3	6.5	11.9	1.5	89.8	86.5
Cyprus	2019	587	87.6	5.5	81.8	6.1	3.9	2.7	89.1	85.7
	2023	1203	85.5	5.3	72.5	7.0	7.1	8.1	84.1	86.8
Iran, Islamic Rep. of	2019	856	73.5	6.5	52.2	12.2	20.0	9.0	79.2	68.1
	2023	1522	69.8	8.8	46.6	11.3	21.4	11.7	69.3	70.4
International Avg. (3)	2019	2058	82.8	5.6	68.8	8.1	12.7	4.7	85.1	80.5
	2023	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

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Mathematics: Measurement and Geometry / Knowing

MP04_09C MP71178C: Properties of two pentagons - perimeter of 15 - MC - Key: C

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	54.5	20.0	17.3	44.7	15.5	2.5	47.9	61.4
	2023	1026	57.9	16.7	19.1	49.3	13.3	1.5	57.3	58.6
Cyprus	2019	587	59.4	20.2	17.8	55.5	3.9	2.7	60.4	58.1
	2023	1203	61.1	14.7	17.9	51.2	8.2	8.1	59.5	62.7
Iran, Islamic Rep. of	2019	856	44.7	17.8	21.1	31.6	20.4	9.0	40.8	48.5
	2023	1522	43.9	17.3	19.0	28.4	23.5	11.7	43.8	44.0
International Avg. (3)	2019	2058	52.9	19.4	18.7	43.9	13.3	4.7	49.7	56.0
	2023	3751	54.3	16.2	18.6	43.0	15.0	7.1	53.5	55.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	75.1	21.7	65.5	8.5	4.2	73.4	76.9
	2023	1026	78.7	19.1	70.5	7.8	2.6	78.7	78.7
Cyprus	2019	587	37.0	58.3	34.2	2.7	4.9	38.0	35.8
	2023	1203	42.5	49.3	36.4	3.2	11.1	40.2	44.8
Iran, Islamic Rep. of	2019	856	66.9	27.2	55.0	6.2	11.6	70.2	63.8
	2023	1521	61.9	29.1	47.3	8.7	14.9	61.2	62.7
International Avg. (3)	2019	2058	59.6	35.7	51.5	5.8	6.9	60.5	58.8
	2023	3750	61.0	32.5	51.4	6.5	9.6	60.0	62.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	36.5	44.5	25.6	23.3	6.6	39.6	33.1
	2023	1026	41.2	45.4	31.8	17.2	5.6	39.8	42.7
Cyprus	2019	587	34.4	51.4	27.0	15.3	6.3	31.5	37.8
	2023	1203	28.9	46.9	19.0	21.7	12.3	27.7	30.0
Iran, Islamic Rep. of	2019	856	10.5	55.6	6.5	24.3	13.6	11.9	9.4
	2023	1522	12.2	45.1	6.2	31.7	17.0	14.2	9.9
International Avg. (3)	2019	2058	27.1	50.5	19.7	21.0	8.8	27.7	26.8
	2023	3751	27.4	45.8	19.0	23.5	11.6	27.2	27.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	60.0	14.5	37.3	31.2	7.3	9.7	59.5	60.6
	2023	1026	66.7	12.2	31.4	40.3	7.8	8.3	65.9	67.6
Cyprus	2019	587	58.9	13.6	42.3	28.7	5.4	10.1	56.5	61.7
	2023	1203	59.2	14.5	32.7	28.5	6.5	17.9	57.1	61.4
Iran, Islamic Rep. of	2019	856	32.2	36.6	27.1	10.3	8.4	17.7	35.2	29.5
	2023	1522	30.9	33.7	21.8	9.0	12.6	22.9	29.6	32.2
International Avg. (3)	2019	2058	50.4	21.6	35.5	23.4	7.0	12.5	50.4	50.6
	2023	3751	52.3	20.1	28.6	25.9	9.0	16.3	50.8	53.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	56.5	35.9	46.7	7.6	9.7	55.4	57.8
	2023	1026	63.3	30.7	52.9	8.0	8.3	62.6	64.0
Cyprus	2019	587	54.7	38.1	46.1	5.7	10.1	52.4	57.4
	2023	1203	58.2	31.5	43.8	6.9	17.9	58.8	57.6
Iran, Islamic Rep. of	2019	856	25.1	54.7	18.3	9.4	17.7	29.0	21.5
	2023	1522	29.2	43.9	18.1	15.1	22.9	29.6	28.9
International Avg. (3)	2019	2058	45.4	42.9	37.0	7.6	12.5	45.6	45.6
	2023	3751	50.2	35.4	38.3	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	76.3	19.4	62.4	8.4	9.7	74.4	78.1
	2023	1026	77.1	19.2	64.3	8.2	8.3	76.2	77.9
Cyprus	2019	587	74.3	21.6	62.6	5.7	10.1	73.2	75.7
	2023	1203	71.5	21.4	53.6	7.1	17.9	68.9	74.0
Iran, Islamic Rep. of	2019	856	39.0	39.2	25.1	18.0	17.7	45.2	33.4
	2023	1522	35.6	39.2	21.7	16.3	22.9	34.3	37.0
International Avg. (3)	2019	2058	63.2	26.8	50.0	10.7	12.5	64.3	62.4
	2023	3751	61.4	26.6	46.6	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	615	49.8	40.8	40.6	8.9	9.7	52.9	46.7
	2023	1026	61.2	32.2	50.8	8.7	8.3	59.8	62.6
Cyprus	2019	587	56.3	36.1	46.5	7.3	10.1	52.0	61.3
	2023	1203	54.7	34.0	41.0	7.1	17.9	49.6	59.6
Iran, Islamic Rep. of	2019	856	41.7	37.4	26.8	18.1	17.7	42.2	41.2
	2023	1522	29.9	41.8	17.8	17.5	22.9	27.9	32.0
International Avg. (3)	2019	2058	49.3	38.1	38.0	11.4	12.5	49.1	49.7
	2023	3751	48.6	36.0	36.5	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	55.5	14.7	24.3	53.4	3.8	3.7	0.0	52.7	57.7
	2023	1028	55.5	14.8	22.7	54.7	6.3	1.4	0.1	56.7	54.4
Cyprus	2019	592	63.9	10.8	19.7	63.6	5.3	0.3	0.2	61.6	66.6
	2023	1208	57.6	11.1	22.6	55.9	7.4	1.7	1.3	55.5	59.8
Iran, Islamic Rep. of	2019	856	55.7	16.4	16.2	52.7	9.3	4.2	1.2	53.8	57.5
	2023	1534	45.9	16.9	20.8	41.0	10.4	7.6	3.3	46.7	45.2
International Avg. (3)	2019	2065	58.4	14.0	20.1	56.6	6.1	2.7	0.5	56.0	60.6
	2023	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

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	66.9	30.6	61.8	7.6	0.0	60.4	72.0
	2023	1028	71.3	27.0	66.9	5.9	0.1	68.6	73.7
Cyprus	2019	592	49.3	48.6	47.2	4.0	0.2	45.7	53.2
	2023	1208	47.1	46.1	41.1	10.9	1.8	43.9	50.5
Iran, Islamic Rep. of	2019	856	31.2	54.6	24.8	19.0	1.5	28.0	33.9
	2023	1534	28.0	50.4	19.6	26.5	3.5	22.6	33.2
International Avg. (3)	2019	2065	49.1	44.6	44.6	10.2	0.6	44.7	53.0
	2023	3770	48.8	41.2	42.6	14.4	1.8	45.0	52.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	71.9	25.1	64.3	10.6	0.0	73.5	70.7
	2023	1028	74.9	23.4	70.0	6.3	0.3	75.0	74.9
Cyprus	2019	592	63.2	34.8	59.7	5.0	0.5	61.6	64.8
	2023	1208	57.3	36.4	48.8	12.1	2.7	54.6	60.1
Iran, Islamic Rep. of	2019	856	25.0	57.3	19.1	21.8	1.8	22.2	27.6
	2023	1534	22.1	56.3	16.0	23.3	4.5	23.1	21.2
International Avg. (3)	2019	2065	53.4	39.1	47.7	12.5	0.8	52.4	54.4
	2023	3770	51.4	38.7	44.9	13.9	2.5	50.9	52.1

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_04 MP71051: Amount of time practicing piano - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	30.5	65.3	28.6	6.1	0.0	25.5	34.2
	2023	1028	38.0	57.8	35.4	6.4	0.4	32.5	43.1
Cyprus	2019	592	26.8	71.7	26.3	1.1	0.9	25.0	28.9
	2023	1208	28.6	65.2	26.1	5.3	3.5	26.9	30.3
Iran, Islamic Rep. of	2019	856	17.6	76.1	16.2	4.9	2.7	15.9	19.2
	2023	1534	16.4	71.5	14.0	9.3	5.3	13.4	19.1
International Avg. (3)	2019	2065	25.0	71.0	23.7	4.1	1.2	22.1	27.4
	2023	3770	27.6	64.8	25.1	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	48.3	26.3	45.0	17.8	4.1	6.9	0.0	44.8	51.0
	2023	1028	47.1	25.1	43.6	20.1	3.9	7.0	0.4	40.1	53.3
Cyprus	2019	592	36.4	14.3	35.7	39.2	8.9	1.0	0.9	30.7	42.9
	2023	1208	42.0	12.0	39.1	33.6	8.3	2.5	4.5	38.7	45.4
Iran, Islamic Rep. of	2019	856	30.4	11.3	28.3	48.4	5.1	4.0	2.8	29.3	31.5
	2023	1534	28.8	14.9	24.8	41.8	4.7	8.0	5.8	25.4	32.0
International Avg. (3)	2019	2065	38.4	17.3	36.3	35.1	6.0	4.0	1.3	34.9	41.8
	2023	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

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Knowing
MP08_06 MP71169: Water drank from water bottle - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	43.7	54.5	42.2	3.3	0.0	37.0	48.6
	2023	1028	50.6	46.8	47.9	4.6	0.6	41.8	58.5
Cyprus	2019	592	40.1	58.8	39.4	0.9	0.9	30.3	50.9
	2023	1208	35.0	59.1	31.8	4.1	4.9	25.0	45.4
Iran, Islamic Rep. of	2019	857	14.4	79.0	13.2	4.5	3.3	7.6	20.7
	2023	1534	12.9	74.6	11.1	8.0	6.3	6.2	19.2
International Avg. (3)	2019	2066	32.7	64.1	31.6	2.9	1.4	25.0	40.1
	2023	3770	32.8	60.2	30.3	5.6	4.0	24.3	41.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Reasoning

MP08_07 MP71083: Movie that Terry is available to see - MC - Key: C

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	53.7	10.5	23.3	50.9	10.2	5.2	0.0	52.3	54.7
	2023	1028	60.3	9.8	17.1	55.0	9.3	8.1	0.8	60.0	60.6
Cyprus	2019	591	56.7	12.9	21.5	54.8	7.6	2.3	0.9	53.7	60.0
	2023	1208	54.2	12.2	19.7	46.4	7.2	8.5	6.0	50.9	57.5
Iran, Islamic Rep. of	2019	857	29.8	19.0	26.4	24.4	12.3	14.6	3.4	28.2	31.2
	2023	1534	27.2	18.2	21.8	18.8	10.1	23.4	7.7	22.8	31.6
International Avg. (3)	2019	2065	46.7	14.1	23.7	43.4	10.0	7.3	1.4	44.7	48.6
	2023	3770	47.3	13.4	19.5	40.0	8.9	13.3	4.8	44.6	49.9

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Reasoning

MP08_09 MP71184: Length of sides of 6-sided figure - MC - Key: B

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	44.0	16.4	42.1	18.2	18.9	3.7	0.7	43.3	44.6
	2023	1028	46.2	14.9	44.1	18.4	18.1	3.1	1.4	44.1	48.0
Cyprus	2019	592	40.0	18.4	38.0	14.3	24.3	3.0	2.1	37.1	43.3
	2023	1208	37.5	15.1	31.7	20.9	16.9	6.7	8.7	32.4	42.7
Iran, Islamic Rep. of	2019	857	31.8	15.3	26.3	20.3	20.9	12.2	4.9	24.8	38.1
	2023	1533	27.0	17.1	20.1	18.5	18.9	15.0	10.5	26.2	27.7
International Avg. (3)	2019	2066	38.6	16.7	35.5	17.6	21.4	6.3	2.5	35.1	42.0
	2023	3769	36.9	15.7	32.0	19.3	18.0	8.2	6.9	34.2	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: Data / Reasoning

MP08_10 MP71141: Questions about soccer teams (DERIVED) - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	34.4	59.4	31.2	8.1	1.2	34.7	34.3
	2023	1028	36.4	53.0	30.4	14.7	2.0	34.6	38.2
Cyprus	2019	592	38.4	54.3	33.8	9.4	2.6	32.4	45.1
	2023	1208	37.3	46.2	27.4	16.0	10.4	32.2	42.5
Iran, Islamic Rep. of	2019	857	15.6	62.8	11.6	19.4	6.3	12.7	18.4
	2023	1533	14.7	53.9	9.3	23.9	12.9	9.1	20.6
International Avg. (3)	2019	2066	29.5	58.8	25.5	12.3	3.4	26.6	32.6
	2023	3769	29.5	51.0	22.4	18.2	8.4	25.3	33.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	96.2	84.6	3.3	10.8	1.2	96.4	96.1
	2023	1028	95.8	78.0	3.4	16.7	2.0	96.8	94.9
Cyprus	2019	592	87.2	75.6	11.1	10.7	2.6	87.4	87.0
	2023	1208	87.8	64.2	8.9	16.4	10.4	86.8	88.9
Iran, Islamic Rep. of	2019	857	85.8	59.5	9.8	24.4	6.3	84.9	86.7
	2023	1533	87.2	51.8	7.6	27.7	12.9	84.1	90.5
International Avg. (3)	2019	2066	89.7	73.3	8.1	15.3	3.4	89.6	89.9
	2023	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

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	61.2	32.8	51.8	14.2	1.2	61.5	61.0
	2023	1028	67.7	25.2	53.0	19.8	2.0	69.3	66.3
Cyprus	2019	592	73.1	23.1	62.7	11.6	2.6	67.6	79.2
	2023	1208	69.6	21.5	49.3	18.8	10.4	66.0	73.6
Iran, Islamic Rep. of	2019	857	53.4	28.7	32.8	32.3	6.3	54.8	51.9
	2023	1533	49.4	25.7	25.1	36.3	12.9	48.2	50.6
International Avg. (3)	2019	2066	62.5	28.2	49.1	19.3	3.4	61.3	64.0
	2023	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	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	47.7	44.1	40.2	14.5	1.2	45.2	49.6
	2023	1028	51.3	37.6	39.7	20.6	2.0	48.8	53.7
Cyprus	2019	592	53.8	39.7	46.2	11.6	2.6	50.7	57.3
	2023	1208	55.8	31.1	39.2	19.3	10.4	53.4	58.3
Iran, Islamic Rep. of	2019	857	36.9	39.7	23.2	30.8	6.3	34.5	39.3
	2023	1533	33.2	34.4	17.0	35.7	12.9	26.4	40.3
International Avg. (3)	2019	2066	46.1	41.2	36.5	19.0	3.4	43.5	48.8
	2023	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	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	89.5	73.1	8.6	17.0	1.2	90.9	88.3
	2023	1028	88.3	67.4	8.9	21.7	2.0	87.7	88.8
Cyprus	2019	592	84.6	72.5	13.1	11.8	2.6	82.4	87.2
	2023	1208	83.3	58.1	11.6	19.9	10.4	81.2	85.6
Iran, Islamic Rep. of	2019	857	75.8	44.6	14.2	34.9	6.3	72.5	79.0
	2023	1533	78.2	38.2	10.7	38.3	12.9	73.8	83.1
International Avg. (3)	2019	2066	83.3	63.4	12.0	21.2	3.4	81.9	84.9
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	73.4	22.8	62.8	11.2	3.2	77.5	70.3
	2023	1028	80.6	16.6	69.0	9.5	4.8	78.5	82.4
Cyprus	2019	592	84.9	14.1	79.5	1.7	4.7	86.3	83.3
	2023	1208	80.6	15.3	63.5	7.1	14.0	81.1	79.9
Iran, Islamic Rep. of	2019	857	65.6	26.5	50.6	13.5	9.4	67.5	63.9
	2023	1534	58.1	28.3	39.2	15.8	16.7	59.1	57.0
International Avg. (3)	2019	2066	74.7	21.1	64.3	8.8	5.8	77.1	72.5
	2023	3770	73.1	20.1	57.3	10.8	11.8	72.9	73.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Applying
MP08_12 MP71193: Birdhouses (DERIVED) - CR - 2 Points

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	28.7	55.6	15.7	17.7	6.4	4.7	29.7	28.0
	2023	1028	31.1	53.3	13.7	20.3	7.0	5.7	29.7	32.3
Cyprus	2019	592	71.6	19.8	12.1	59.0	3.9	5.3	69.6	73.8
	2023	1208	66.7	20.2	9.7	45.4	7.6	17.2	65.5	68.0
Iran, Islamic Rep. of	2019	857	25.4	52.5	13.2	13.5	9.8	11.0	25.1	25.6
	2023	1534	19.7	52.1	11.2	8.5	9.9	18.3	19.4	20.0
International Avg. (3)	2019	2066	41.9	42.6	13.6	30.1	6.7	7.0	41.5	42.5
	2023	3770	39.2	41.9	11.5	24.7	8.1	13.7	38.2	40.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	24.1	65.9	21.0	8.5	4.7	26.6	22.2
	2023	1028	26.8	61.2	22.4	10.6	5.7	25.1	28.3
Cyprus	2019	592	70.9	26.2	64.0	4.5	5.3	69.5	72.5
	2023	1208	66.6	24.9	49.7	8.3	17.2	65.8	67.4
Iran, Islamic Rep. of	2019	857	21.4	61.2	16.6	11.1	11.0	20.0	22.6
	2023	1534	15.8	56.1	10.6	15.0	18.3	14.5	17.1
International Avg. (3)	2019	2066	38.8	51.1	33.9	8.0	7.0	38.7	39.1
	2023	3770	36.4	47.4	27.5	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	34.5	57.2	30.2	8.0	4.7	33.8	35.1
	2023	1028	37.9	52.2	31.8	10.2	5.7	36.5	39.1
Cyprus	2019	592	73.3	24.1	66.0	4.6	5.3	70.8	76.1
	2023	1208	68.4	23.5	50.8	8.5	17.2	66.9	69.8
Iran, Islamic Rep. of	2019	857	31.4	51.4	23.5	14.0	11.0	31.9	30.9
	2023	1534	26.2	49.8	17.7	14.1	18.3	26.9	25.6
International Avg. (3)	2019	2066	46.4	44.2	39.9	8.9	7.0	45.5	47.4
	2023	3770	44.2	41.9	33.4	10.9	13.7	43.5	44.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Applying
MP08_13 MP71192: Graph of monthly rainfall - CR - 2 Points

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	617	29.6	52.0	3.7	20.7	17.6	6.0	28.8	30.1
	2023	1028	26.8	52.3	3.1	18.2	17.2	9.2	23.4	29.7
Cyprus	2019	592	26.2	55.3	5.9	17.7	13.5	7.7	23.1	29.5
	2023	1208	16.9	51.0	4.7	8.5	15.5	20.3	17.1	16.7
Iran, Islamic Rep. of	2019	857	19.7	52.5	3.5	11.6	17.3	15.2	16.7	22.4
	2023	1533	25.6	40.2	3.7	12.6	22.0	21.5	24.8	26.4
International Avg. (3)	2019	2066	25.1	53.2	4.4	16.7	16.1	9.6	22.9	27.3
	2023	3769	23.1	47.9	3.8	13.1	18.2	17.0	21.8	24.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

MP09_01 MP61275: 3126 + 845 + 72 = - MC - Key: B

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	83.4	6.3	80.9	5.8	4.1	2.2	0.8	88.1	79.2
	2023	1026	84.3	5.5	83.3	3.2	6.9	0.7	0.5	86.4	82.4
Cyprus	2019	586	73.6	9.0	71.7	6.5	10.2	2.3	0.3	77.1	69.7
	2023	1202	74.6	9.6	71.8	6.1	8.7	1.8	2.0	71.8	77.3
Iran, Islamic Rep. of	2019	846	60.3	10.5	54.3	10.9	14.4	8.1	1.8	63.8	57.0
	2023	1534	53.5	11.1	46.1	11.2	17.8	11.6	2.2	57.2	49.9
International Avg. (3)	2019	2053	72.4	8.6	69.0	7.7	9.6	4.2	1.0	76.3	68.7
	2023	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

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Mathematics: Number / Applying
MP09_02 MP61027: Sara's 4-digit password - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	72.9	25.7	69.0	4.5	0.8	72.8	72.9
	2023	1026	76.9	21.8	72.4	5.3	0.5	73.1	80.0
Cyprus	2019	586	77.2	22.2	75.4	2.1	0.3	76.3	78.3
	2023	1202	82.6	16.4	78.0	3.4	2.2	83.0	82.2
Iran, Islamic Rep. of	2019	846	50.1	44.6	44.7	8.2	2.6	51.2	49.0
	2023	1534	43.6	48.8	37.8	10.7	2.8	45.1	42.1
International Avg. (3)	2019	2053	66.7	30.8	63.0	4.9	1.2	66.7	66.8
	2023	3762	67.7	29.0	62.7	6.5	1.8	67.1	68.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	43.6	41.2	16.9	30.0	11.2	0.8	45.0	42.4
	2023	1026	41.7	40.0	20.5	25.8	13.1	0.7	37.7	45.2
Cyprus	2019	586	41.6	44.8	19.3	29.1	6.5	0.3	35.0	48.9
	2023	1202	41.7	42.2	18.9	27.6	8.8	2.5	36.7	46.6
Iran, Islamic Rep. of	2019	846	14.5	60.6	9.8	6.2	20.3	3.1	10.4	18.0
	2023	1535	17.3	52.5	13.6	5.6	24.8	3.4	13.9	20.4
International Avg. (3)	2019	2053	33.2	48.9	15.3	21.8	12.7	1.4	30.2	36.4
	2023	3763	33.6	44.9	17.7	19.6	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	61.2	34.3	54.2	10.6	0.9	65.6	57.3
	2023	1026	57.4	39.3	52.8	6.8	1.1	59.3	55.7
Cyprus	2019	586	50.0	46.8	46.7	5.3	1.2	45.9	54.3
	2023	1202	49.3	45.7	44.3	6.9	3.1	49.2	49.3
Iran, Islamic Rep. of	2019	846	15.4	68.5	12.5	14.8	4.3	13.4	17.2
	2023	1535	16.9	66.3	13.5	14.9	5.3	17.6	16.2
International Avg. (3)	2019	2053	42.2	49.9	37.8	10.2	2.1	41.6	42.9
	2023	3763	41.2	50.4	36.9	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	50.6	40.9	41.8	16.4	0.9	47.0	53.7
	2023	1026	56.9	37.3	49.2	12.4	1.2	53.5	59.7
Cyprus	2019	586	50.7	46.4	47.7	3.2	2.7	43.8	58.1
	2023	1202	44.3	50.2	39.9	5.8	4.1	33.7	54.7
Iran, Islamic Rep. of	2019	846	32.6	57.9	28.0	8.9	5.1	32.9	32.3
	2023	1535	25.6	60.0	20.7	13.3	6.0	24.5	26.8
International Avg. (3)	2019	2053	44.6	48.4	39.2	9.5	2.9	41.2	48.0
	2023	3763	42.3	49.2	36.6	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	72.2	11.1	10.6	5.0	69.3	3.0	1.0	73.0	71.5
	2023	1026	76.2	6.2	13.0	3.9	74.1	1.2	1.6	77.7	75.0
Cyprus	2019	586	72.5	5.7	14.7	6.1	69.6	1.0	3.0	67.9	77.3
	2023	1202	73.9	5.2	12.1	7.3	69.4	1.5	4.6	70.7	77.0
Iran, Islamic Rep. of	2019	846	52.5	11.4	17.5	12.8	46.2	6.2	6.0	51.1	53.9
	2023	1535	50.1	11.3	19.2	10.6	41.3	10.6	7.0	49.6	50.6
International Avg. (3)	2019	2053	65.7	9.4	14.3	8.0	61.7	3.4	3.3	64.0	67.5
	2023	3763	66.7	7.6	14.8	7.2	61.6	4.4	4.4	66.0	67.5

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

MP09_07 MP61172: Find value of p in number sentence - MC - Key: A

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	71.7	68.7	11.9	11.8	3.4	3.2	1.0	75.8	68.2
	2023	1026	74.6	71.8	8.4	12.9	3.1	1.9	1.8	76.5	73.0
Cyprus	2019	586	44.5	42.1	22.8	24.2	5.5	2.2	3.1	38.4	50.9
	2023	1202	38.6	34.6	26.1	23.3	5.7	5.5	4.7	35.9	41.2
Iran, Islamic Rep. of	2019	846	20.4	16.3	24.5	28.6	10.8	13.2	6.7	21.4	19.5
	2023	1534	18.4	13.6	23.0	25.0	12.3	17.5	8.4	18.9	17.9
International Avg. (3)	2019	2053	45.5	42.4	19.7	21.5	6.6	6.2	3.6	45.2	46.2
	2023	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	69.0	4.8	19.5	65.0	5.0	4.2	1.6	73.1	65.3
	2023	1026	69.5	6.8	17.9	65.6	4.2	3.2	2.4	68.5	70.3
Cyprus	2019	586	65.5	5.0	25.3	62.4	2.5	1.3	3.5	62.5	68.6
	2023	1202	63.8	4.7	25.0	58.0	3.2	3.6	5.5	64.9	62.7
Iran, Islamic Rep. of	2019	846	54.6	6.4	19.2	46.6	13.1	6.6	8.0	55.0	54.2
	2023	1534	57.9	4.7	19.4	46.6	9.7	9.9	9.6	59.7	56.1
International Avg. (3)	2019	2053	63.0	5.4	21.4	58.0	6.9	4.0	4.3	63.5	62.7
	2023	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

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Measurement and Geometry / Applying

MP09_09 MP61269: Identify solid with top and bottom shown above - MC - Key: D

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	69.9	5.3	11.2	11.2	64.4	6.2	1.8	75.1	65.4
	2023	1026	78.2	4.2	9.6	6.0	70.8	6.6	2.8	79.5	77.0
Cyprus	2019	586	77.7	4.6	8.7	6.3	68.0	8.6	3.8	73.6	81.9
	2023	1202	78.5	6.1	7.9	4.2	66.4	9.0	6.4	79.3	77.6
Iran, Islamic Rep. of	2019	845	41.8	11.6	17.7	13.1	30.5	18.5	8.6	44.1	40.0
	2023	1535	44.1	12.5	13.9	10.2	28.9	24.4	10.2	49.4	38.7
International Avg. (3)	2019	2052	63.1	7.2	12.5	10.2	54.3	11.1	4.7	64.2	62.4
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	31.0	56.6	25.5	15.9	2.0	32.2	30.1
	2023	1026	28.5	59.0	23.5	14.5	3.0	26.9	29.8
Cyprus	2019	586	48.4	42.6	39.9	13.2	4.3	46.6	50.2
	2023	1202	35.0	47.1	25.4	20.1	7.5	36.8	33.3
Iran, Islamic Rep. of	2019	846	22.5	56.2	16.3	17.7	9.8	20.5	24.3
	2023	1535	19.3	54.9	13.1	20.3	11.6	22.3	16.4
International Avg. (3)	2019	2053	34.0	51.8	27.2	15.6	5.4	33.1	34.8
	2023	3763	27.6	53.7	20.7	18.3	7.4	28.6	26.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Applying
MP09_10B MP61081B: Draw a line perpendicular to AB through D - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	621	27.2	58.4	21.8	10.9	8.9	27.9	26.6
	2023	1026	20.7	65.3	17.0	8.8	8.9	22.4	19.2
Cyprus	2019	586	20.8	66.6	17.5	10.3	5.6	18.9	22.7
	2023	1202	23.3	61.8	18.7	7.9	11.5	27.1	19.5
Iran, Islamic Rep. of	2019	846	30.4	50.7	22.2	12.3	14.8	31.5	29.5
	2023	1535	27.7	51.4	19.7	10.9	18.1	27.2	28.1
International Avg. (3)	2019	2053	26.1	58.6	20.5	11.2	9.8	26.1	26.3
	2023	3763	23.9	59.5	18.5	9.2	12.8	25.6	22.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	70.4	27.9	66.5	5.6	0.0	68.3	72.7
	2023	1016	76.3	22.5	72.3	5.0	0.2	70.3	81.7
Cyprus	2019	574	58.2	40.5	56.3	3.1	0.0	52.7	64.1
	2023	1207	61.9	36.6	59.6	3.5	0.3	57.4	66.4
Iran, Islamic Rep. of	2019	845	40.8	53.5	36.9	8.4	1.3	37.0	44.4
	2023	1514	39.1	51.6	33.2	14.0	1.2	37.5	40.9
International Avg. (3)	2019	2030	56.5	40.6	53.2	5.7	0.4	52.7	60.4
	2023	3737	59.1	36.9	55.0	7.5	0.6	55.1	63.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Reasoning

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	28.8	28.3	17.8	33.3	18.8	1.8	0.0	23.3	34.4
	2023	1016	31.6	30.5	16.7	32.1	17.1	3.3	0.2	27.2	35.4
Cyprus	2019	574	20.6	20.3	15.9	42.6	19.5	1.7	0.0	14.1	27.5
	2023	1207	26.1	25.4	17.0	39.3	15.7	2.2	0.4	20.5	31.4
Iran, Islamic Rep. of	2019	844	18.0	16.6	14.4	34.1	27.3	6.3	1.3	18.1	17.8
	2023	1514	15.4	14.0	13.9	34.5	28.4	7.6	1.6	15.3	15.5
International Avg. (3)	2019	2029	22.5	21.7	16.1	36.7	21.9	3.3	0.4	18.5	26.6
	2023	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

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Mathematics: Number / Reasoning

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	55.7	15.8	16.1	54.2	11.1	2.7	0.0	57.0	54.5
	2023	1016	59.7	11.8	17.0	57.4	10.0	3.6	0.2	53.4	65.1
Cyprus	2019	574	56.0	12.3	23.9	55.0	7.1	1.5	0.3	49.0	63.4
	2023	1207	54.4	11.1	23.8	52.5	9.1	2.8	0.7	50.4	58.2
Iran, Islamic Rep. of	2019	845	36.1	18.9	22.7	33.4	17.4	5.8	1.7	39.9	32.8
	2023	1514	37.5	17.5	25.2	33.4	12.9	8.5	2.5	37.2	37.8
International Avg. (3)	2019	2030	49.3	15.7	20.9	47.5	11.9	3.4	0.7	48.6	50.2
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	29.1	60.8	24.9	13.9	0.3	25.6	32.5
	2023	1016	44.9	50.6	41.3	7.8	0.2	42.4	47.1
Cyprus	2019	574	51.0	48.4	50.4	0.8	0.5	44.2	58.3
	2023	1207	48.4	50.3	47.3	1.0	1.4	41.9	54.8
Iran, Islamic Rep. of	2019	845	12.7	81.6	11.9	4.3	2.1	12.0	13.4
	2023	1514	10.0	81.7	9.1	6.1	3.1	10.1	9.9
International Avg. (3)	2019	2030	30.9	63.6	29.1	6.3	1.0	27.3	34.8
	2023	3737	34.5	60.9	32.5	5.0	1.6	31.5	37.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Knowing
MP10_06 MP71070: Estimate length of twig - MC - Key: B

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	64.2	12.9	63.6	14.2	8.3	0.6	0.3	66.8	61.7
	2023	1016	69.0	12.1	68.0	13.7	4.7	1.3	0.2	68.5	69.5
Cyprus	2019	574	67.2	14.7	66.2	12.3	5.3	1.0	0.5	64.7	69.8
	2023	1207	59.5	14.7	58.0	16.6	8.1	1.1	1.5	57.1	61.9
Iran, Islamic Rep. of	2019	845	50.5	9.9	45.9	19.1	16.1	6.7	2.3	48.3	52.4
	2023	1514	44.5	15.4	39.8	18.1	16.2	6.8	3.7	45.7	43.2
International Avg. (3)	2019	2030	60.6	12.5	58.6	15.2	9.9	2.8	1.0	59.9	61.3
	2023	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

Mathematics: Measurement and Geometry / Applying
MP10_07 MP71181: Rectangle with perimeter of 10 cm - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	52.3	42.7	46.8	10.3	0.3	53.8	50.7
	2023	1016	55.8	40.5	51.2	8.2	0.2	51.1	59.9
Cyprus	2019	574	45.8	51.6	43.6	4.0	0.7	40.7	51.3
	2023	1207	36.5	59.7	34.4	4.2	1.8	34.3	38.7
Iran, Islamic Rep. of	2019	845	23.0	60.5	18.1	17.8	3.7	22.1	23.9
	2023	1514	22.7	56.5	16.6	22.5	4.5	25.1	20.2
International Avg. (3)	2019	2030	40.4	51.6	36.1	10.7	1.6	38.8	42.0
	2023	3737	38.4	52.2	34.0	11.6	2.2	36.8	39.6

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	10.9	81.6	9.9	7.1	1.3	13.1	8.6
	2023	1016	9.9	84.5	9.3	5.2	1.0	8.9	10.7
Cyprus	2019	574	38.1	59.6	36.7	3.0	0.7	33.2	43.5
	2023	1207	30.4	64.7	28.3	4.5	2.5	29.2	31.5
Iran, Islamic Rep. of	2019	845	17.1	71.9	14.8	8.3	5.1	16.3	17.7
	2023	1514	17.5	65.6	13.9	14.2	6.3	18.6	16.2
International Avg. (3)	2019	2030	22.0	71.0	20.5	6.1	2.4	20.9	23.2
	2023	3737	19.2	71.6	17.1	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	YEAR	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	72.3	10.6	64.1	13.9	10.1	1.3	76.4	68.4
	2023	1016	70.6	9.3	64.9	17.6	7.1	1.0	71.5	69.9
Cyprus	2019	574	74.3	4.0	71.0	20.6	3.6	0.7	69.6	79.2
	2023	1207	67.0	4.9	61.0	25.2	6.4	2.5	65.8	68.2
Iran, Islamic Rep. of	2019	845	54.8	11.1	41.9	23.4	18.5	5.1	54.0	55.5
	2023	1514	58.6	11.2	41.1	17.9	23.5	6.3	59.0	58.2
International Avg. (3)	2019	2030	67.1	8.6	59.0	19.3	10.7	2.4	66.7	67.7
	2023	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	YEAR	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	51.9	21.1	20.5	44.9	12.2	1.3	54.7	49.2
	2023	1016	53.4	17.7	24.3	48.2	8.8	1.0	54.1	52.8
Cyprus	2019	574	77.1	7.3	14.3	72.9	4.7	0.7	74.9	79.5
	2023	1207	76.2	4.9	16.7	69.3	6.6	2.5	74.9	77.5
Iran, Islamic Rep. of	2019	845	55.8	13.4	19.9	42.1	19.5	5.1	58.1	53.8
	2023	1514	52.5	14.2	18.6	36.3	24.6	6.3	53.3	51.6
International Avg. (3)	2019	2030	61.6	13.9	18.2	53.3	12.1	2.4	62.6	60.8
	2023	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	YEAR	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	31.1	42.8	16.6	26.8	12.5	1.3	31.6	30.5
	2023	1016	30.2	43.4	18.1	26.7	10.9	1.0	27.5	32.5
Cyprus	2019	574	59.9	25.9	12.1	56.7	4.5	0.7	56.7	63.3
	2023	1207	52.4	29.7	13.4	47.5	6.9	2.5	52.9	52.0
Iran, Islamic Rep. of	2019	845	54.7	19.2	13.9	40.0	21.8	5.1	55.7	53.8
	2023	1514	54.2	17.6	12.7	35.8	27.6	6.3	55.4	52.8
International Avg. (3)	2019	2030	48.5	29.3	14.2	41.2	12.9	2.4	48.0	49.2
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	25.9	61.0	10.1	18.1	9.0	1.8	17.5	34.3
	2023	1016	25.4	61.2	8.6	18.0	9.9	2.2	17.5	32.4
Cyprus	2019	574	20.5	72.1	4.3	17.0	4.2	2.4	14.5	27.2
	2023	1207	22.7	68.1	4.8	18.3	5.3	3.4	16.4	29.0
Iran, Islamic Rep. of	2019	845	8.6	70.5	3.9	4.8	13.9	6.8	5.1	11.7
	2023	1514	11.6	63.2	5.0	6.1	16.4	9.3	8.0	15.4
International Avg. (3)	2019	2030	18.3	67.9	6.1	13.3	9.0	3.7	12.4	24.4
	2023	3737	19.9	64.2	6.1	14.2	10.5	5.0	13.9	25.6

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	75.3	21.5	65.8	9.8	2.9	77.8	72.9
	2023	1016	75.4	22.0	67.3	7.8	2.9	72.8	77.6
Cyprus	2019	574	69.7	27.9	64.1	4.7	3.3	64.7	75.2
	2023	1207	70.5	26.4	63.1	6.7	3.8	66.8	74.2
Iran, Islamic Rep. of	2019	845	41.3	47.6	33.5	10.9	7.9	39.0	43.4
	2023	1514	44.9	41.5	33.9	13.6	11.1	40.4	49.7
International Avg. (3)	2019	2030	62.1	32.3	54.5	8.5	4.7	60.5	63.8
	2023	3737	63.6	30.0	54.8	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	41.7	51.0	36.5	8.4	4.1	39.9	43.6
	2023	1016	45.1	48.7	40.1	7.7	3.5	38.7	50.7
Cyprus	2019	574	41.7	53.4	38.2	4.1	4.3	37.7	46.1
	2023	1207	40.5	53.2	36.2	5.4	5.2	32.1	48.9
Iran, Islamic Rep. of	2019	845	22.3	60.6	17.4	12.2	9.8	18.2	25.9
	2023	1514	21.9	56.6	15.8	14.7	12.9	16.7	27.4
International Avg. (3)	2019	2030	35.3	55.0	30.7	8.2	6.1	31.9	38.5
	2023	3737	35.8	52.8	30.7	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	84.0	14.1	73.8	7.9	4.1	86.8	81.1
	2023	1016	84.4	14.0	75.8	6.3	3.8	84.4	84.4
Cyprus	2019	574	89.4	9.9	84.0	1.7	4.3	88.7	90.2
	2023	1207	88.1	10.7	79.4	4.7	5.3	86.7	89.5
Iran, Islamic Rep. of	2019	845	82.9	14.1	68.7	6.8	10.4	83.3	82.6
	2023	1514	76.1	18.9	60.1	7.5	13.4	78.1	73.9
International Avg. (3)	2019	2030	85.4	12.7	75.5	5.5	6.3	86.3	84.7
	2023	3737	82.9	14.5	71.8	6.2	7.5	83.1	82.6

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	79.6	17.6	68.9	8.6	4.9	82.5	76.7
	2023	1016	80.2	17.2	69.6	8.9	4.4	81.0	79.5
Cyprus	2019	574	83.5	15.1	76.1	3.8	4.9	81.3	85.8
	2023	1207	81.0	16.4	69.6	6.2	7.8	81.3	80.7
Iran, Islamic Rep. of	2019	845	66.3	26.7	52.6	9.2	11.6	66.7	66.0
	2023	1514	69.3	23.6	53.2	9.0	14.2	72.4	65.8
International Avg. (3)	2019	2030	76.5	19.8	65.9	7.2	7.1	76.8	76.2
	2023	3737	76.8	19.0	64.1	8.0	8.8	78.2	75.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	611	60.5	34.0	52.1	7.8	6.1	62.2	58.7
	2023	1016	65.8	29.8	57.4	5.6	7.3	69.3	62.8
Cyprus	2019	574	68.4	28.8	62.4	2.8	6.1	65.8	71.4
	2023	1207	66.0	29.2	56.6	3.6	10.7	66.8	65.2
Iran, Islamic Rep. of	2019	845	52.2	36.4	39.8	8.8	15.0	52.2	52.3
	2023	1514	52.4	34.0	37.3	11.0	17.7	55.0	49.3
International Avg. (3)	2019	2030	60.4	33.1	51.4	6.5	9.0	60.0	60.8
	2023	3737	61.4	31.0	50.4	6.7	11.9	63.7	59.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	37.7	55.9	33.8	9.4	0.9	40.0	35.3
	2023	1008	37.7	56.8	34.4	8.7	0.1	33.8	41.0
Cyprus	2019	571	56.2	41.1	52.7	6.2	0.0	48.5	64.4
	2023	1208	59.1	37.2	53.6	7.7	1.5	53.6	64.0
Iran, Islamic Rep. of	2019	850	24.3	54.1	17.4	27.7	0.8	22.6	25.8
	2023	1513	24.8	49.9	16.5	31.9	1.7	24.1	25.6
International Avg. (3)	2019	2018	39.4	50.3	34.6	14.5	0.6	37.1	41.9
	2023	3729	40.5	48.0	34.8	16.1	1.1	37.2	43.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	66.4	20.3	6.2	64.5	6.1	2.0	0.9	67.7	65.0
	2023	1008	67.6	16.0	6.3	66.1	9.4	2.0	0.1	67.3	67.8
Cyprus	2019	571	56.9	29.4	6.4	55.4	6.2	2.6	0.0	55.5	58.4
	2023	1208	62.8	22.8	6.5	58.2	5.3	5.7	1.6	63.0	62.5
Iran, Islamic Rep. of	2019	850	39.3	26.5	12.4	35.3	15.5	8.6	1.5	38.3	40.2
	2023	1513	34.4	22.9	13.3	28.5	18.1	15.3	2.0	38.5	30.0
International Avg. (3)	2019	2018	54.2	25.4	8.3	51.7	9.3	4.4	0.8	53.8	54.5
	2023	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

Mathematics: Number / Knowing
MP11_03 MP61271: $6 \times 312 =$ - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	86.1	13.3	82.0	3.9	0.9	83.8	88.5
	2023	1008	87.2	12.5	84.9	2.5	0.1	87.9	86.5
Cyprus	2019	571	71.6	27.8	70.1	2.1	0.0	73.0	70.1
	2023	1208	72.9	25.6	69.0	3.8	1.6	73.9	72.0
Iran, Islamic Rep. of	2019	850	57.4	38.3	51.5	8.6	1.6	59.8	55.2
	2023	1513	58.8	34.8	49.7	13.1	2.4	63.4	53.7
International Avg. (3)	2019	2018	71.7	26.4	67.9	4.9	0.8	72.2	71.3
	2023	3729	73.0	24.3	67.9	6.5	1.4	75.1	70.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	47.2	49.3	44.1	5.8	0.9	45.1	49.4
	2023	1008	50.3	47.4	48.0	4.4	0.1	52.2	48.7
Cyprus	2019	571	42.6	56.7	42.0	1.3	0.0	37.2	48.3
	2023	1208	41.7	54.9	39.2	3.9	2.0	38.1	44.9
Iran, Islamic Rep. of	2019	850	13.1	80.5	12.2	5.4	2.0	9.2	16.7
	2023	1513	11.5	81.1	10.5	5.8	2.6	10.5	12.6
International Avg. (3)	2019	2018	34.3	62.2	32.8	4.1	1.0	30.5	38.1
	2023	3729	34.5	61.1	32.6	4.7	1.6	33.6	35.4

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	8.2	73.8	6.6	18.2	1.4	8.4	8.0
	2023	1008	11.8	72.6	9.7	17.3	0.4	9.9	13.4
Cyprus	2019	571	21.0	74.8	19.8	4.8	0.5	14.8	27.9
	2023	1208	16.1	74.6	14.3	8.4	2.7	9.3	22.3
Iran, Islamic Rep. of	2019	850	26.3	67.0	24.0	5.5	3.5	31.1	22.0
	2023	1513	25.4	66.4	22.6	8.0	2.9	28.9	21.6
International Avg. (3)	2019	2018	18.5	71.9	16.8	9.5	1.8	18.1	19.3
	2023	3729	17.8	71.2	15.6	11.2	2.0	16.0	19.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	89.2	3.6	2.6	85.7	4.1	2.5	1.4	88.8	89.6
	2023	1008	88.7	4.2	2.3	87.1	4.5	1.3	0.6	89.4	88.2
Cyprus	2019	571	88.2	3.0	1.9	81.8	6.1	6.7	0.5	85.9	90.8
	2023	1208	85.6	3.4	1.7	75.7	7.7	7.9	3.6	82.6	88.2
Iran, Islamic Rep. of	2019	850	64.2	6.0	5.9	56.0	19.3	8.3	4.4	61.2	66.9
	2023	1513	63.3	6.9	6.2	53.4	17.8	11.7	4.0	63.2	63.5
International Avg. (3)	2019	2018	80.5	4.2	3.5	74.5	9.8	5.8	2.1	78.6	82.4
	2023	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	58.8	56.1	19.6	15.6	4.2	3.1	1.4	60.6	56.9
	2023	1008	64.1	61.7	16.9	10.4	7.2	3.1	0.6	66.0	62.5
Cyprus	2019	571	59.9	58.5	23.1	10.9	5.3	1.5	0.8	55.5	64.6
	2023	1208	59.0	55.1	21.5	11.3	5.5	2.9	3.8	55.8	61.8
Iran, Islamic Rep. of	2019	850	36.1	29.7	23.6	15.4	13.7	12.0	5.6	39.6	32.9
	2023	1513	41.1	34.4	18.0	15.5	15.6	11.8	4.7	43.7	38.4
International Avg. (3)	2019	2018	51.6	48.1	22.1	14.0	7.7	5.5	2.6	51.9	51.4
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	77.3	21.3	72.7	4.6	1.4	78.9	75.7
	2023	1008	72.6	25.8	68.1	5.3	0.9	76.5	69.2
Cyprus	2019	571	67.3	30.3	62.3	6.6	0.8	65.7	69.0
	2023	1208	69.2	27.0	60.6	8.2	4.2	70.6	67.9
Iran, Islamic Rep. of	2019	850	43.4	47.4	36.3	9.6	6.7	46.2	40.7
	2023	1513	42.7	47.2	35.2	11.7	5.9	44.7	40.6
International Avg. (3)	2019	2018	62.7	33.0	57.1	6.9	3.0	63.6	61.8
	2023	3729	61.5	33.3	54.6	8.4	3.6	64.0	59.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	52.5	27.1	20.6	31.1	19.5	1.7	53.1	52.0
	2023	1008	50.0	30.8	22.8	30.7	14.2	1.5	49.7	50.2
Cyprus	2019	571	41.4	38.6	28.4	23.1	8.8	1.1	42.0	40.8
	2023	1208	39.5	36.4	25.3	19.3	14.0	5.0	37.4	41.3
Iran, Islamic Rep. of	2019	850	25.0	44.8	17.2	9.2	19.6	9.1	29.2	21.0
	2023	1513	27.5	39.2	16.3	9.8	27.8	7.0	28.3	26.6
International Avg. (3)	2019	2018	39.6	36.8	22.1	21.1	15.9	4.0	41.4	37.9
	2023	3729	39.0	35.4	21.5	19.9	18.7	4.5	38.5	39.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Measurement and Geometry / Reasoning

MP11_10 MP61108: Choose cardboard for Julia's hexagonal box - MC - Key: B

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	44.6	27.7	42.4	12.6	12.4	3.2	1.7	38.9	50.4
	2023	1008	52.1	19.3	49.3	14.2	11.7	3.5	1.9	55.6	49.2
Cyprus	2019	571	68.1	12.2	65.8	15.2	3.5	1.5	1.8	66.2	70.1
	2023	1208	59.7	16.4	54.4	14.7	5.7	2.8	6.1	64.0	55.9
Iran, Islamic Rep. of	2019	850	32.9	31.3	26.7	9.4	13.9	7.2	11.6	35.5	30.5
	2023	1513	32.3	28.8	26.0	13.5	12.2	10.1	9.3	32.0	32.6
International Avg. (3)	2019	2018	48.5	23.7	45.0	12.4	9.9	4.0	5.0	46.9	50.3
	2023	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	38.1	57.1	35.2	5.8	1.8	40.6	35.6
	2023	1008	49.7	47.8	47.2	2.8	2.2	51.4	48.3
Cyprus	2019	571	51.0	46.4	48.3	2.9	2.4	50.7	51.3
	2023	1208	47.0	48.1	42.7	1.9	7.3	46.0	47.8
Iran, Islamic Rep. of	2019	850	14.4	70.4	11.8	4.4	13.4	17.6	11.5
	2023	1513	11.3	74.6	9.5	5.9	10.0	12.9	9.6
International Avg. (3)	2019	2018	34.5	58.0	31.8	4.4	5.9	36.3	32.8
	2023	3729	36.0	56.8	33.1	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	597	50.6	12.1	47.4	10.0	24.1	3.1	3.2	55.7	45.5
	2023	1008	61.0	12.1	58.3	9.9	15.3	2.1	2.3	63.2	59.1
Cyprus	2019	571	59.5	13.5	53.9	10.7	12.6	5.2	4.1	56.3	63.0
	2023	1208	54.4	14.7	47.8	12.2	13.2	3.8	8.4	52.6	56.0
Iran, Islamic Rep. of	2019	850	39.3	8.1	30.7	17.2	22.1	7.1	14.8	40.9	37.9
	2023	1513	40.6	10.7	32.4	18.5	18.1	9.2	11.2	42.3	38.8
International Avg. (3)	2019	2018	49.8	11.2	44.0	12.7	19.6	5.1	7.4	51.0	48.8
	2023	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	78.5	5.5	11.2	4.3	76.7	2.0	0.2	74.6	81.7
	2023	1028	83.4	5.1	8.8	2.5	82.2	1.1	0.3	81.4	85.2
Cyprus	2019	577	87.7	3.7	5.9	2.6	86.8	0.7	0.3	84.1	91.5
	2023	1208	90.6	3.2	4.1	1.9	88.6	1.7	0.5	89.9	91.2
Iran, Islamic Rep. of	2019	851	64.0	8.1	13.7	11.8	59.9	4.5	1.9	62.7	65.3
	2023	1520	65.9	8.0	14.9	7.9	59.6	7.8	1.9	65.6	66.3
International Avg. (3)	2019	2034	76.7	5.8	10.3	6.2	74.5	2.4	0.8	73.8	79.5
	2023	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

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Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	65.8	32.7	62.9	4.2	0.2	64.1	67.2
	2023	1028	70.4	28.2	67.0	4.4	0.3	73.8	67.4
Cyprus	2019	577	62.4	36.7	60.9	2.1	0.3	63.7	60.9
	2023	1208	61.1	37.2	58.5	3.8	0.5	60.4	61.8
Iran, Islamic Rep. of	2019	851	43.9	52.1	40.8	4.7	2.5	46.6	41.4
	2023	1520	37.2	55.7	33.0	9.0	2.3	38.6	35.8
International Avg. (3)	2019	2034	57.4	40.5	54.9	3.6	1.0	58.2	56.5
	2023	3756	56.3	40.3	52.9	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	12.6	70.2	11.4	5.5	3.1	9.6	0.2	14.7	10.9
	2023	1028	12.9	74.4	12.0	4.4	2.5	6.2	0.6	11.6	14.0
Cyprus	2019	577	38.8	54.3	38.3	2.9	3.0	1.1	0.4	38.5	39.2
	2023	1208	24.6	68.6	23.8	1.7	2.8	2.4	0.6	22.7	26.3
Iran, Islamic Rep. of	2019	851	16.9	60.7	15.6	6.3	9.8	4.8	2.8	16.8	16.9
	2023	1520	10.1	63.8	8.8	5.9	9.1	9.3	3.1	12.1	8.0
International Avg. (3)	2019	2034	22.8	61.7	21.7	4.9	5.3	5.2	1.2	23.3	22.3
	2023	3756	15.8	68.9	14.9	4.0	4.8	6.0	1.4	15.5	16.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	74.7	21.8	64.2	13.8	0.2	74.2	75.1
	2023	1028	79.3	18.2	69.4	11.4	1.0	80.6	78.0
Cyprus	2019	577	83.2	15.8	77.9	5.9	0.4	83.7	82.5
	2023	1208	84.9	13.8	77.6	7.6	0.9	82.5	87.1
Iran, Islamic Rep. of	2019	851	51.7	35.3	37.7	23.6	3.5	55.5	48.0
	2023	1520	47.9	38.1	35.0	22.8	4.1	48.0	47.8
International Avg. (3)	2019	2034	69.8	24.3	59.9	14.4	1.4	71.1	68.5
	2023	3756	70.7	23.3	60.7	13.9	2.0	70.4	71.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

MP12_04AA MP71216AA: Grace's rule - find P and Q - P - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	77.5	19.3	66.3	14.2	0.2	77.3	77.6
	2023	1028	82.2	15.6	71.9	11.5	1.0	85.3	79.4
Cyprus	2019	577	86.5	12.7	81.0	5.9	0.4	87.1	85.7
	2023	1208	88.1	10.9	80.5	7.6	0.9	86.6	89.4
Iran, Islamic Rep. of	2019	851	55.4	32.3	40.1	24.1	3.5	58.9	52.1
	2023	1520	53.5	32.9	37.8	25.2	4.1	53.0	54.1

International Avg. (3)	2019	2034	73.1	21.4	62.5	14.7	1.4	74.5	71.8
	2023	3756	74.6	19.8	63.4	14.8	2.0	75.0	74.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

MP12_04AB MP71216AB: Grace's rule - find P and Q - Q - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	76.1	20.4	65.0	14.3	0.2	76.0	76.2
	2023	1028	80.8	16.7	70.0	12.3	1.0	82.0	79.7
Cyprus	2019	577	83.6	15.3	78.3	5.9	0.4	83.7	83.5
	2023	1208	85.5	13.3	78.1	7.7	0.9	83.3	87.3
Iran, Islamic Rep. of	2019	851	56.4	29.5	38.1	29.0	3.5	60.0	52.9
	2023	1520	52.1	32.9	35.8	27.2	4.1	52.4	51.8
International Avg. (3)	2019	2034	72.0	21.7	60.5	16.4	1.4	73.2	70.9
	2023	3756	72.8	20.9	61.3	15.7	2.0	72.6	73.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Reasoning

MP12_04B MP71216B: Grace's rule - backwards - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	44.0	47.7	37.5	14.6	0.2	41.4	46.4
	2023	1028	53.7	40.0	46.4	12.2	1.3	53.5	53.9
Cyprus	2019	577	61.1	36.7	57.6	4.7	1.1	60.3	62.0
	2023	1208	63.3	33.0	57.0	8.7	1.4	59.9	66.3
Iran, Islamic Rep. of	2019	851	39.9	48.1	31.9	14.5	5.4	43.5	36.5
	2023	1520	36.4	48.0	27.5	18.8	5.7	34.5	38.4
International Avg. (3)	2019	2034	48.4	44.1	42.3	11.3	2.2	48.4	48.3
	2023	3756	51.1	40.4	43.6	13.2	2.8	49.3	52.9

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	48.4	49.9	46.8	3.2	0.2	50.6	46.4
	2023	1028	50.4	46.2	46.9	5.4	1.5	56.6	45.0
Cyprus	2019	577	46.9	50.0	44.1	4.5	1.4	45.3	48.6
	2023	1208	50.5	46.3	47.3	4.5	1.9	48.4	52.5
Iran, Islamic Rep. of	2019	851	68.4	26.5	57.2	10.5	5.9	70.6	66.1
	2023	1520	69.8	24.3	56.3	13.2	6.2	69.5	70.2
International Avg. (3)	2019	2034	54.5	42.1	49.3	6.0	2.5	55.5	53.7
	2023	3756	56.9	38.9	50.2	7.7	3.2	58.2	55.9

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	50.4	36.9	49.5	9.7	2.0	1.6	0.2	43.3	56.4
	2023	1028	52.8	36.5	50.9	7.1	1.9	2.1	1.5	45.1	59.6
Cyprus	2019	577	53.6	33.1	52.0	9.5	2.3	1.0	2.0	44.9	63.1
	2023	1208	53.8	35.5	52.0	7.2	1.9	1.2	2.2	44.6	62.0
Iran, Islamic Rep. of	2019	851	51.4	31.6	45.6	6.4	5.1	4.3	7.0	44.9	57.5
	2023	1520	46.7	30.9	40.7	8.5	7.1	5.8	7.1	42.7	50.7
International Avg. (3)	2019	2034	51.8	33.9	49.0	8.5	3.2	2.3	3.1	44.4	59.0
	2023	3756	51.1	34.3	47.9	7.6	3.6	3.0	3.6	44.2	57.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	2pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	31.3	49.3	22.8	16.3	11.2	0.4	30.3	32.2
	2023	1028	32.5	48.6	22.5	17.5	9.7	1.7	31.2	33.6
Cyprus	2019	577	36.5	43.6	30.4	18.6	5.3	2.1	34.3	38.9
	2023	1208	34.3	47.2	26.2	18.4	5.9	2.3	29.9	38.2
Iran, Islamic Rep. of	2019	851	19.7	55.8	16.3	7.5	12.7	7.7	18.7	20.6
	2023	1520	14.9	58.2	12.8	4.9	16.5	7.5	13.1	16.9
International Avg. (3)	2019	2034	29.2	49.6	23.2	14.1	9.7	3.4	27.8	30.6
	2023	3756	27.2	51.3	20.5	13.6	10.7	3.8	24.7	29.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Knowing

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	52.1	26.4	11.2	50.8	9.1	1.6	0.8	53.7	50.7
	2023	1028	57.2	20.5	11.7	54.2	8.4	3.1	2.1	58.7	55.8
Cyprus	2019	577	69.0	17.3	8.4	66.0	4.0	1.9	2.4	66.4	71.8
	2023	1208	66.2	17.8	8.7	62.2	5.2	2.6	3.5	60.8	71.3
Iran, Islamic Rep. of	2019	851	44.1	25.2	13.1	38.0	9.9	4.3	9.6	42.6	45.6
	2023	1520	46.6	22.5	11.9	39.2	10.5	6.6	9.4	45.7	47.6
International Avg. (3)	2019	2034	55.1	23.0	10.9	51.6	7.7	2.6	4.3	54.3	56.0
	2023	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

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Mathematics: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	31.3	62.9	28.7	7.6	0.8	34.6	28.4
	2023	1028	41.5	52.6	37.3	7.6	2.5	43.1	40.0
Cyprus	2019	577	51.2	46.0	48.2	2.0	3.8	51.7	50.6
	2023	1208	47.8	48.0	43.9	3.2	4.9	43.3	51.9
Iran, Islamic Rep. of	2019	851	32.7	53.9	26.2	9.1	10.9	29.8	35.6
	2023	1520	27.7	56.3	21.5	10.7	11.5	26.9	28.5
International Avg. (3)	2019	2034	38.4	54.3	34.4	6.2	5.2	38.7	38.2
	2023	3756	39.0	52.3	34.2	7.2	6.3	37.8	40.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Applying
MP12_09 MP71202: Bar graph of cake sale - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	70.3	25.1	59.5	14.0	1.3	71.7	69.2
	2023	1028	67.8	28.0	59.0	10.0	2.9	73.3	62.9
Cyprus	2019	577	76.5	21.4	69.4	5.0	4.3	79.4	73.1
	2023	1208	65.4	29.9	56.3	8.4	5.4	65.0	65.7
Iran, Islamic Rep. of	2019	851	42.2	39.3	28.7	18.8	13.2	44.7	39.6
	2023	1520	45.2	36.7	30.2	20.3	12.8	49.0	40.8
International Avg. (3)	2019	2034	63.0	28.6	52.6	12.6	6.3	65.2	60.6
	2023	3756	59.4	31.5	48.5	12.9	7.0	62.4	56.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	54.4	40.8	48.7	7.3	3.2	53.5	55.1
	2023	1028	54.0	41.4	48.6	6.1	3.9	59.3	49.4
Cyprus	2019	577	56.8	38.8	51.0	4.4	5.8	59.3	54.0
	2023	1208	55.1	39.2	48.1	4.0	8.8	55.1	55.2
Iran, Islamic Rep. of	2019	851	34.7	49.1	26.2	8.3	16.4	37.7	31.8
	2023	1520	30.8	50.4	22.5	11.4	15.7	34.4	27.0
International Avg. (3)	2019	2034	48.6	42.9	42.0	6.7	8.4	50.2	47.0
	2023	3756	46.7	43.7	39.7	7.2	9.4	49.6	43.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	606	10.6	84.1	10.0	2.1	3.9	11.4	9.9
	2023	1028	13.5	80.0	12.5	2.9	4.6	13.8	13.2
Cyprus	2019	577	16.4	74.6	14.7	2.8	7.9	16.2	16.8
	2023	1208	14.3	71.8	12.0	5.7	10.5	11.2	17.2
Iran, Islamic Rep. of	2019	851	5.1	74.5	4.0	3.9	17.7	5.4	4.9
	2023	1520	6.8	72.2	5.3	4.8	17.8	7.3	6.3
International Avg. (3)	2019	2034	10.7	77.7	9.6	2.9	9.8	11.0	10.5
	2023	3756	11.5	74.7	9.9	4.5	10.9	10.8	12.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	45.4	53.2	44.3	2.5	0.0	42.0	48.0
	2023	1043	54.3	43.8	52.0	3.5	0.7	49.9	58.2
Cyprus	2019	574	46.5	52.2	45.4	1.5	1.0	40.9	52.6
	2023	1203	56.2	42.0	53.9	3.0	1.1	48.1	64.1
Iran, Islamic Rep. of	2019	852	28.4	65.9	26.2	5.7	2.3	23.8	32.8
	2023	1520	25.8	65.9	22.9	8.5	2.7	21.0	30.6
International Avg. (3)	2019	2045	40.1	57.1	38.6	3.2	1.1	35.6	44.5
	2023	3766	45.4	50.6	42.9	5.0	1.5	39.7	51.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

MP13_01A MP61240A: Place value expansion - 3h + 58o - MC - Key: A

COUNTRY	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	79.3	74.6	19.4	5.9	0.0	77.1	81.1
	2023	1043	81.6	75.4	17.0	7.0	0.7	76.2	86.5
Cyprus	2019	574	88.8	86.6	10.9	1.5	1.0	87.8	89.9
	2023	1203	88.6	84.5	10.9	3.5	1.1	85.1	92.0
Iran, Islamic Rep. of	2019	852	70.1	61.3	26.1	10.3	2.3	64.8	75.1
	2023	1520	70.3	58.4	24.7	14.2	2.7	65.4	75.1
International Avg. (3)	2019	2045	79.4	74.2	18.8	5.9	1.1	76.6	82.0
	2023	3766	80.2	72.8	17.5	8.2	1.5	75.6	84.5

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

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

COUNTRY	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	64.7	59.8	32.6	7.6	0.0	63.4	65.6
	2023	1043	72.8	67.3	25.1	6.9	0.7	73.7	72.0
Cyprus	2019	574	54.6	52.0	43.3	3.7	1.0	48.3	61.5
	2023	1203	66.1	61.9	31.8	5.1	1.1	59.5	72.5
Iran, Islamic Rep. of	2019	852	50.9	42.6	41.1	14.0	2.3	45.3	56.1
	2023	1520	46.3	36.8	42.7	17.7	2.7	42.5	50.2
International Avg. (3)	2019	2045	56.7	51.5	39.0	8.4	1.1	52.4	61.1
	2023	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

Mathematics: Number / Knowing

MP13_01C MP61240C: Place value expansion - $3h + 15t + 8o$ - MC - Key: B

COUNTRY	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	85.8	12.8	77.2	9.9	0.0	87.2	84.6
	2023	1043	85.8	12.9	77.7	8.8	0.7	83.5	87.9
Cyprus	2019	574	87.6	11.8	83.4	3.8	1.0	86.5	88.9
	2023	1203	90.1	9.3	84.4	5.2	1.1	87.0	93.1
Iran, Islamic Rep. of	2019	852	79.9	16.5	65.7	15.5	2.3	80.7	79.1
	2023	1520	78.4	16.6	60.5	20.1	2.7	76.4	80.5
International Avg. (3)	2019	2045	84.4	13.7	75.5	9.8	1.1	84.8	84.2
	2023	3766	84.8	12.9	74.2	11.4	1.5	82.3	87.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	52.8	42.4	47.4	9.6	0.6	58.1	48.8
	2023	1043	57.0	37.7	49.9	11.5	1.0	59.2	55.0
Cyprus	2019	574	56.0	41.5	52.8	4.8	1.0	59.6	52.1
	2023	1203	48.7	46.6	44.3	7.6	1.5	43.8	53.5
Iran, Islamic Rep. of	2019	852	43.4	46.8	35.9	14.2	3.2	41.8	44.9
	2023	1520	45.1	44.8	36.9	14.6	3.7	46.9	43.2
International Avg. (3)	2019	2045	50.7	43.5	45.3	9.5	1.6	53.2	48.6
	2023	3766	50.3	43.1	43.7	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	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	74.2	8.6	10.7	69.5	4.8	5.5	0.7	72.5	75.4
	2023	1043	76.3	9.1	7.9	72.1	5.4	4.4	1.1	78.3	74.5
Cyprus	2019	574	70.9	7.7	12.6	66.3	7.0	5.3	1.1	69.8	72.0
	2023	1203	71.5	6.7	12.4	65.0	6.9	7.2	1.8	69.3	73.6
Iran, Islamic Rep. of	2019	852	62.6	10.2	11.0	49.6	8.5	17.1	3.7	57.3	67.2
	2023	1520	60.8	10.2	11.9	46.3	7.7	19.4	4.4	58.4	63.3
International Avg. (3)	2019	2045	69.2	8.8	11.4	61.8	6.8	9.3	1.9	66.5	71.6
	2023	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

Produced by TIMSS & PIRLS International Study Center at Boston College

Mathematics: Number / Knowing

MP13_04 MP61041: Identify number between 1.4 and 1.78 - MC - Key: B

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	40.2	17.5	36.3	18.2	18.1	9.1	0.7	37.4	42.4
	2023	1043	43.0	14.9	39.2	20.4	16.6	7.8	1.1	38.2	47.5
Cyprus	2019	574	48.0	13.4	44.9	22.3	12.8	5.3	1.3	41.9	54.6
	2023	1203	43.0	17.6	39.7	21.9	13.0	5.6	2.2	32.0	53.6
Iran, Islamic Rep. of	2019	852	28.8	14.7	22.4	20.4	20.2	18.2	4.2	24.7	32.5
	2023	1520	29.3	12.6	21.9	20.9	19.3	20.2	5.2	27.3	31.3
International Avg. (3)	2019	2045	39.0	15.2	34.5	20.3	17.0	10.8	2.1	34.6	43.2
	2023	3766	38.5	15.0	33.6	21.1	16.3	11.2	2.8	32.5	44.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing

MP13_05 MP61173: Find the value of w in number sentence - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	58.7	37.8	53.8	7.5	0.9	56.2	60.6
	2023	1043	55.0	42.5	52.0	4.4	1.1	55.2	54.8
Cyprus	2019	574	67.0	31.1	63.0	4.7	1.3	68.8	65.0
	2023	1203	65.5	31.7	60.1	5.9	2.3	60.2	70.6
Iran, Islamic Rep. of	2019	852	42.3	39.7	29.1	26.8	4.4	41.9	42.6
	2023	1520	40.5	37.4	25.4	31.6	5.6	40.8	40.1
International Avg. (3)	2019	2045	56.0	36.2	48.7	13.0	2.2	55.6	56.1
	2023	3766	53.7	37.2	45.8	14.0	3.0	52.1	55.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

MP13_06 MP61252: Expression to find number of books Luke read - MC - Key: D

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	43.5	9.4	3.2	42.3	42.3	1.7	1.0	41.4	45.1
	2023	1043	49.1	5.7	3.8	40.0	47.8	1.5	1.2	49.0	49.2
Cyprus	2019	574	39.8	10.3	9.0	39.3	38.7	1.2	1.5	42.1	37.3
	2023	1203	43.2	8.1	10.3	36.4	41.7	0.8	2.7	38.3	48.0
Iran, Islamic Rep. of	2019	852	32.1	12.3	9.1	38.6	28.4	6.4	5.3	27.4	36.5
	2023	1520	33.1	12.5	6.7	38.6	28.6	7.0	6.6	27.8	38.4
International Avg. (3)	2019	2045	38.5	10.7	7.1	40.1	36.5	3.1	2.6	37.0	39.6
	2023	3766	41.8	8.8	6.9	38.3	39.3	3.1	3.5	38.3	45.2

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

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	50.1	44.1	44.3	9.9	1.7	52.6	48.2
	2023	1043	57.3	38.0	50.9	9.8	1.4	59.5	55.2
Cyprus	2019	574	56.8	40.8	53.6	4.1	1.5	57.8	55.7
	2023	1203	54.7	41.0	49.4	6.5	3.0	48.8	60.1
Iran, Islamic Rep. of	2019	852	33.1	53.4	26.4	14.8	5.4	34.8	31.5
	2023	1520	28.9	51.5	20.9	20.5	7.1	26.1	31.8
International Avg. (3)	2019	2045	46.6	46.1	41.4	9.6	2.9	48.4	45.1
	2023	3766	46.9	43.5	40.4	12.3	3.8	44.8	49.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Measurement and Geometry / Applying
MP13_08 MP61224: Draw angle MNP larger than a right angle - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	73.7	22.7	63.8	11.5	1.9	75.3	72.5
	2023	1043	74.9	22.0	65.6	10.2	2.2	77.4	72.7
Cyprus	2019	574	51.5	45.9	48.9	3.2	1.9	57.0	45.7
	2023	1203	53.7	42.4	49.2	4.8	3.7	51.2	56.1
Iran, Islamic Rep. of	2019	852	46.7	41.8	36.6	14.7	6.9	47.9	45.5
	2023	1520	43.9	40.6	31.7	19.0	8.7	44.7	43.0
International Avg. (3)	2019	2045	57.3	36.8	49.7	9.8	3.6	60.1	54.5
	2023	3766	57.5	35.0	48.8	11.3	4.9	57.8	57.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	52.3	50.1	18.6	22.3	4.9	2.2	1.9	54.5	50.6
	2023	1043	63.7	60.9	13.4	17.6	3.7	1.8	2.7	61.1	66.1
Cyprus	2019	574	42.8	41.1	26.9	25.8	2.3	2.0	1.9	42.2	43.4
	2023	1203	42.5	39.4	24.7	26.3	2.3	3.1	4.2	37.2	47.7
Iran, Islamic Rep. of	2019	852	44.5	37.1	13.8	28.7	3.8	8.5	8.2	43.8	45.3
	2023	1520	46.6	36.8	12.6	27.3	2.4	11.0	9.8	42.4	50.7
International Avg. (3)	2019	2045	46.5	42.8	19.7	25.6	3.6	4.2	4.0	46.8	46.4
	2023	3766	50.9	45.7	16.9	23.7	2.8	5.3	5.6	46.9	54.9

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Knowing

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	62.1	34.6	56.8	6.2	2.4	62.6	61.8
	2023	1043	70.0	27.3	63.7	6.1	2.9	72.8	67.5
Cyprus	2019	574	72.0	26.7	68.8	2.3	2.2	76.0	67.5
	2023	1203	68.6	28.4	62.0	4.6	5.1	66.1	71.0
Iran, Islamic Rep. of	2019	852	47.6	44.3	40.2	6.5	9.1	43.6	51.4
	2023	1520	44.1	44.8	35.3	8.9	11.0	43.1	45.1
International Avg. (3)	2019	2045	60.6	35.2	55.2	5.0	4.6	60.7	60.2
	2023	3766	60.9	33.5	53.7	6.5	6.4	60.7	61.2

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data / Applying

MP13_10B MP610698: Number of pages Ahmed reads in 60 minutes - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	619	51.2	43.6	45.8	4.9	5.7	47.8	53.8
	2023	1043	52.9	42.3	47.5	4.3	5.8	50.8	54.9
Cyprus	2019	574	55.0	42.6	51.9	1.7	3.8	51.6	58.7
	2023	1203	54.9	40.1	48.8	4.0	7.1	51.2	58.3
Iran, Islamic Rep. of	2019	852	33.3	54.1	27.0	4.9	14.0	28.9	37.5
	2023	1520	33.1	49.8	24.7	9.9	15.6	29.9	36.3
International Avg. (3)	2019	2045	46.5	46.7	41.6	3.9	7.8	42.8	50.0
	2023	3766	47.0	44.1	40.3	6.1	9.5	44.0	49.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Number / Knowing
MP14_01 MP71024: 927/3 = - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	70.7	27.4	66.2	6.4	0.0	70.6	70.9
	2023	1031	74.2	24.7	71.1	4.0	0.2	74.7	73.7
Cyprus	2019	574	51.5	46.1	48.9	4.8	0.2	45.4	57.8
	2023	1193	48.5	47.8	45.1	6.9	0.1	41.3	55.3
Iran, Islamic Rep. of	2019	864	27.0	59.3	21.9	18.1	0.6	21.8	32.1
	2023	1522	23.9	56.2	17.7	25.0	1.1	20.7	27.3
International Avg. (3)	2019	2052	49.7	44.3	45.7	9.8	0.3	45.9	53.6
	2023	3746	48.9	42.9	44.6	12.0	0.5	45.6	52.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

MP14_02 MP71008: Heights of Khalifa and Shanghai towers - MC - Key: D

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	79.4	9.6	7.2	3.6	79.0	0.6	0.0	79.7	79.1
	2023	1031	80.1	8.5	6.8	4.1	78.6	1.7	0.3	82.6	77.9
Cyprus	2019	574	71.3	7.1	13.8	7.5	70.6	0.8	0.2	70.3	72.3
	2023	1193	66.5	9.1	15.1	8.8	65.6	1.2	0.1	63.4	69.5
Iran, Islamic Rep. of	2019	864	50.0	18.5	18.4	10.6	47.5	4.1	0.8	50.5	49.5
	2023	1522	46.3	20.2	17.1	11.6	42.1	7.6	1.4	47.8	44.7
International Avg. (3)	2019	2052	66.9	11.8	13.1	7.3	65.7	1.8	0.3	66.9	67.0
	2023	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

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Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	67.7	7.8	10.2	13.8	66.5	1.8	0.0	67.9	67.5
	2023	1031	69.6	6.3	9.2	14.2	67.9	2.2	0.3	71.7	67.6
Cyprus	2019	574	59.9	4.3	8.6	26.5	58.7	1.7	0.2	60.3	59.5
	2023	1193	62.1	6.8	6.3	23.8	60.6	2.3	0.2	55.6	68.3
Iran, Islamic Rep. of	2019	864	45.0	11.0	12.1	27.4	41.2	6.5	1.9	38.7	50.9
	2023	1522	42.0	15.8	10.6	23.9	36.4	11.5	1.8	39.4	44.6
International Avg. (3)	2019	2052	57.5	7.7	10.3	22.6	55.5	3.3	0.7	55.6	59.3
	2023	3746	57.9	9.6	8.7	20.6	55.0	5.3	0.8	55.6	60.2

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

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	60.9	34.1	53.1	12.8	0.0	61.1	60.7
	2023	1031	64.5	30.9	56.3	12.4	0.4	67.5	61.7
Cyprus	2019	574	72.2	26.8	69.7	2.8	0.6	73.1	71.4
	2023	1193	74.1	24.4	69.7	5.6	0.3	73.7	74.4
Iran, Islamic Rep. of	2019	864	62.1	31.7	52.0	14.0	2.3	66.5	58.0
	2023	1522	71.8	21.0	53.6	23.0	2.4	70.5	73.4
International Avg. (3)	2019	2052	65.1	30.9	58.3	9.9	0.9	66.9	63.4
	2023	3746	70.2	25.4	59.9	13.7	1.0	70.6	69.8

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Number / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	60.3	34.3	52.0	13.7	0.0	58.6	61.8
	2023	1031	56.2	38.9	49.8	10.9	0.4	56.2	56.2
Cyprus	2019	574	51.2	47.0	49.3	3.0	0.7	48.5	53.9
	2023	1193	47.4	48.7	43.8	6.6	0.9	42.6	52.1
Iran, Islamic Rep. of	2019	864	21.5	64.0	17.5	15.9	2.6	18.5	24.3
	2023	1522	20.9	59.7	15.8	21.1	3.4	20.9	20.9
International Avg. (3)	2019	2052	44.3	48.4	39.6	10.9	1.1	41.9	46.7
	2023	3746	41.5	49.1	36.5	12.9	1.6	39.9	43.0

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_06 MP71079: Speed shown on speedometer - MC - Key: C

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	37.5	4.3	45.2	37.4	12.7	0.4	0.0	36.4	38.6
	2023	1031	39.5	4.3	46.1	38.8	9.1	1.3	0.4	36.7	42.0
Cyprus	2019	574	47.4	4.2	38.9	46.3	8.4	1.4	0.9	40.9	54.1
	2023	1193	43.9	4.0	39.8	42.4	10.5	2.1	1.2	38.0	49.5
Iran, Islamic Rep. of	2019	864	18.1	12.1	54.2	16.7	9.3	4.8	3.0	14.6	21.1
	2023	1522	23.8	13.7	42.6	21.2	11.5	6.6	4.4	22.1	25.5
International Avg. (3)	2019	2052	34.3	6.9	46.1	33.5	10.2	2.2	1.3	30.6	37.9
	2023	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

Mathematics: Measurement and Geometry / Knowing

MP14_07 MP71081: Hours to travel from Town A to Town B - CR - 1 Point

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	61.8	35.7	57.7	6.6	0.0	53.9	69.0
	2023	1031	63.4	33.6	58.3	7.7	0.4	58.3	68.1
Cyprus	2019	574	51.2	45.4	47.6	5.7	1.3	45.8	56.5
	2023	1193	54.2	41.7	49.3	7.0	2.0	42.3	65.3
Iran, Islamic Rep. of	2019	864	41.3	48.3	34.0	13.6	4.2	33.9	47.9
	2023	1522	38.9	46.0	29.3	18.7	6.0	32.1	45.9
International Avg. (3)	2019	2052	51.4	43.1	46.4	8.6	1.8	44.5	57.8
	2023	3746	52.2	40.4	45.6	11.1	2.8	44.2	59.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	46.9	19.0	45.0	14.2	17.7	4.0	0.0	45.1	48.6
	2023	1031	45.9	22.2	42.4	12.8	15.0	6.6	1.0	43.6	48.0
Cyprus	2019	574	55.7	14.7	52.9	16.4	11.0	3.0	2.0	54.1	57.4
	2023	1193	58.9	11.7	54.7	17.3	9.2	4.4	2.7	56.0	61.7
Iran, Islamic Rep. of	2019	864	50.0	16.1	43.4	15.8	11.5	6.7	6.5	50.4	49.6
	2023	1522	43.6	19.6	36.0	15.1	11.9	10.1	7.3	43.9	43.2
International Avg. (3)	2019	2052	50.9	16.6	47.1	15.5	13.4	4.6	2.8	49.9	51.9
	2023	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

Mathematics: Measurement and Geometry / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	49.4	43.1	42.1	14.9	0.0	55.4	43.7
	2023	1031	47.8	46.2	42.2	10.4	1.2	50.6	45.1
Cyprus	2019	574	52.0	45.2	49.1	3.5	2.2	52.5	51.5
	2023	1193	45.8	49.6	41.9	5.2	3.3	47.9	43.6
Iran, Islamic Rep. of	2019	864	43.4	44.4	34.1	14.3	7.2	45.1	41.9
	2023	1522	34.6	47.0	24.8	20.0	8.1	39.8	28.6
International Avg. (3)	2019	2052	48.3	44.2	41.7	10.9	3.2	51.0	45.7
	2023	3746	42.7	47.6	36.3	11.8	4.2	46.1	39.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data / Knowing

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	72.3	6.6	5.0	70.6	15.4	2.1	0.2	70.0	74.4
	2023	1031	74.8	7.5	4.4	71.6	12.2	2.5	1.7	77.4	72.5
Cyprus	2019	574	68.6	8.0	9.2	65.2	12.7	2.2	2.7	69.1	68.0
	2023	1193	71.9	6.4	6.8	67.8	13.3	2.0	3.7	70.9	72.9
Iran, Islamic Rep. of	2019	864	53.8	9.2	6.7	46.8	24.2	4.8	8.2	53.4	54.2
	2023	1522	54.0	9.5	8.0	45.4	21.3	6.7	9.1	52.8	55.1
International Avg. (3)	2019	2052	64.9	7.9	7.0	60.9	17.4	3.1	3.7	64.2	65.6
	2023	3746	66.9	7.8	6.4	61.6	15.6	3.8	4.8	67.0	66.9

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 / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	44.2	51.6	40.8	7.3	0.3	43.2	45.0
	2023	1031	50.5	45.4	46.4	6.3	1.9	47.7	53.2
Cyprus	2019	574	61.5	35.7	56.9	3.7	3.8	58.0	64.9
	2023	1193	56.9	39.2	51.8	4.4	4.6	49.5	63.9
Iran, Islamic Rep. of	2019	864	33.0	54.6	26.9	9.4	9.1	30.2	35.7
	2023	1522	23.7	60.4	18.7	10.2	10.6	20.7	27.0
International Avg. (3)	2019	2052	46.2	47.3	41.5	6.8	4.4	43.8	48.5
	2023	3746	43.7	48.3	39.0	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	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	81.7	72.9	16.4	10.4	0.3	77.8	85.4
	2023	1031	83.9	75.6	14.6	8.0	1.9	81.9	85.7
Cyprus	2019	574	87.2	80.5	11.9	3.8	3.8	88.3	86.0
	2023	1193	86.6	78.5	12.1	4.8	4.6	83.7	89.4
Iran, Islamic Rep. of	2019	864	81.8	63.9	14.2	12.8	9.1	78.6	85.0
	2023	1522	74.8	56.1	18.9	14.3	10.6	73.4	76.3
International Avg. (3)	2019	2052	83.6	72.5	14.1	9.0	4.4	81.6	85.5
	2023	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

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	77.7	68.9	19.8	11.0	0.3	75.2	80.0
	2023	1031	82.1	73.2	16.0	8.9	1.9	80.7	83.4
Cyprus	2019	574	87.0	80.1	12.0	4.1	3.8	85.3	88.6
	2023	1193	87.7	79.4	11.2	4.8	4.6	84.3	90.8
Iran, Islamic Rep. of	2019	864	63.8	49.1	27.8	14.0	9.1	62.2	65.4
	2023	1522	60.6	45.0	29.3	15.0	10.6	58.4	63.0
International Avg. (3)	2019	2052	76.1	66.0	19.9	9.7	4.4	74.2	78.0
	2023	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	YEAR	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	59.3	36.3	53.0	10.4	0.3	57.9	60.7
	2023	1031	65.9	30.4	58.7	9.0	1.9	64.3	67.4
Cyprus	2019	574	73.1	24.8	67.3	4.1	3.8	69.9	76.3
	2023	1193	70.1	26.7	62.7	6.0	4.6	65.0	75.0
Iran, Islamic Rep. of	2019	864	55.8	33.2	42.0	15.7	9.1	52.1	59.4
	2023	1522	49.0	36.4	34.9	18.1	10.6	45.8	52.6
International Avg. (3)	2019	2052	62.7	31.5	54.1	10.1	4.4	59.9	65.5
	2023	3746	61.7	31.2	52.1	11.0	5.7	58.4	65.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Reasoning

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	29.1	66.4	27.2	5.4	0.9	27.5	30.5
	2023	1031	32.1	62.3	29.5	4.9	3.3	31.8	32.4
Cyprus	2019	574	42.8	52.6	39.3	3.0	5.1	42.7	42.8
	2023	1193	36.9	56.2	32.9	4.3	6.7	31.2	42.2
Iran, Islamic Rep. of	2019	864	12.5	74.1	10.6	4.3	11.0	6.7	17.9
	2023	1522	8.8	72.9	7.1	6.6	13.3	7.2	10.6
International Avg. (3)	2019	2052	28.1	64.4	25.7	4.2	5.7	25.7	30.4
	2023	3746	26.0	63.8	23.1	5.3	7.8	23.4	28.4

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

Mathematics: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	40.6	30.9	11.0	22.4	11.7	22.8	1.2	38.4	42.7
	2023	1031	43.2	33.9	14.3	21.8	8.5	18.1	3.4	41.8	44.6
Cyprus	2019	574	31.6	26.0	20.2	29.3	6.6	12.2	5.6	26.2	37.2
	2023	1193	33.9	25.3	18.5	22.2	8.7	17.5	7.8	31.0	36.6
Iran, Islamic Rep. of	2019	864	38.2	26.4	12.4	18.4	12.0	19.2	11.6	33.1	42.8
	2023	1522	48.6	27.4	9.5	13.9	5.6	29.1	14.4	50.0	46.9
International Avg. (3)	2019	2052	36.8	27.8	14.6	23.4	10.1	18.1	6.1	32.5	40.9
	2023	3746	41.9	28.9	14.1	19.3	7.6	21.6	8.6	40.9	42.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent

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Mathematics: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	38.4	52.9	33.0	9.7	4.4	41.4	35.5
	2023	1031	49.3	44.0	42.8	8.1	5.1	50.0	48.6
Cyprus	2019	574	33.9	56.0	28.7	6.0	9.2	32.7	35.1
	2023	1193	37.7	49.7	30.1	8.4	11.9	36.7	38.6
Iran, Islamic Rep. of	2019	864	18.0	59.3	13.0	12.0	15.7	16.6	19.1
	2023	1522	14.5	56.4	9.6	15.1	18.9	14.4	14.6
International Avg. (3)	2019	2052	30.1	56.1	24.9	9.2	9.8	30.2	29.9
	2023	3746	33.9	50.0	27.5	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	72.9	22.9	61.8	10.9	4.4	75.4	70.6
	2023	1031	77.2	19.7	66.8	8.4	5.1	79.6	75.1
Cyprus	2019	574	68.6	26.4	57.7	6.7	9.2	68.6	68.7
	2023	1193	70.6	23.3	56.0	8.8	11.9	71.0	70.2
Iran, Islamic Rep. of	2019	864	45.8	38.8	32.8	12.7	15.7	50.9	41.4
	2023	1522	42.5	36.4	27.0	17.7	18.9	42.3	42.8
International Avg. (3)	2019	2052	62.5	29.4	50.8	10.1	9.8	64.9	60.2
	2023	3746	63.5	26.5	49.9	11.6	12.0	64.3	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: Data / Applying

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

COUNTRY	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	72.8	23.0	61.7	10.9	4.4	75.8	70.0
	2023	1031	77.4	19.3	66.3	9.2	5.1	80.6	74.5
Cyprus	2019	574	71.2	24.2	59.9	6.7	9.2	70.4	72.0
	2023	1193	71.6	22.5	56.7	8.9	11.9	72.0	71.2
Iran, Islamic Rep. of	2019	864	47.1	36.9	32.9	14.5	15.7	52.0	42.8
	2023	1522	45.1	34.3	28.2	18.6	18.9	45.7	44.4
International Avg. (3)	2019	2052	63.7	28.0	51.5	10.7	9.8	66.1	61.6
	2023	3746	64.7	25.4	50.4	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	YEAR	N	DIFF %	0pt %	1pt %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Bulgaria	2019	614	44.8	46.1	37.4	12.1	4.4	47.6	42.1
	2023	1031	57.5	35.6	48.2	11.1	5.1	56.7	58.3
Cyprus	2019	574	39.4	50.7	33.0	7.1	9.2	38.0	40.9
	2023	1193	42.4	45.6	33.6	8.9	11.9	39.9	44.8
Iran, Islamic Rep. of	2019	864	25.5	48.5	16.6	19.2	15.7	22.9	27.7
	2023	1522	22.2	46.0	13.1	22.0	18.9	21.9	22.6
International Avg. (3)	2019	2052	36.6	48.4	29.0	12.8	9.8	36.2	36.9
	2023	3746	40.7	42.4	31.7	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