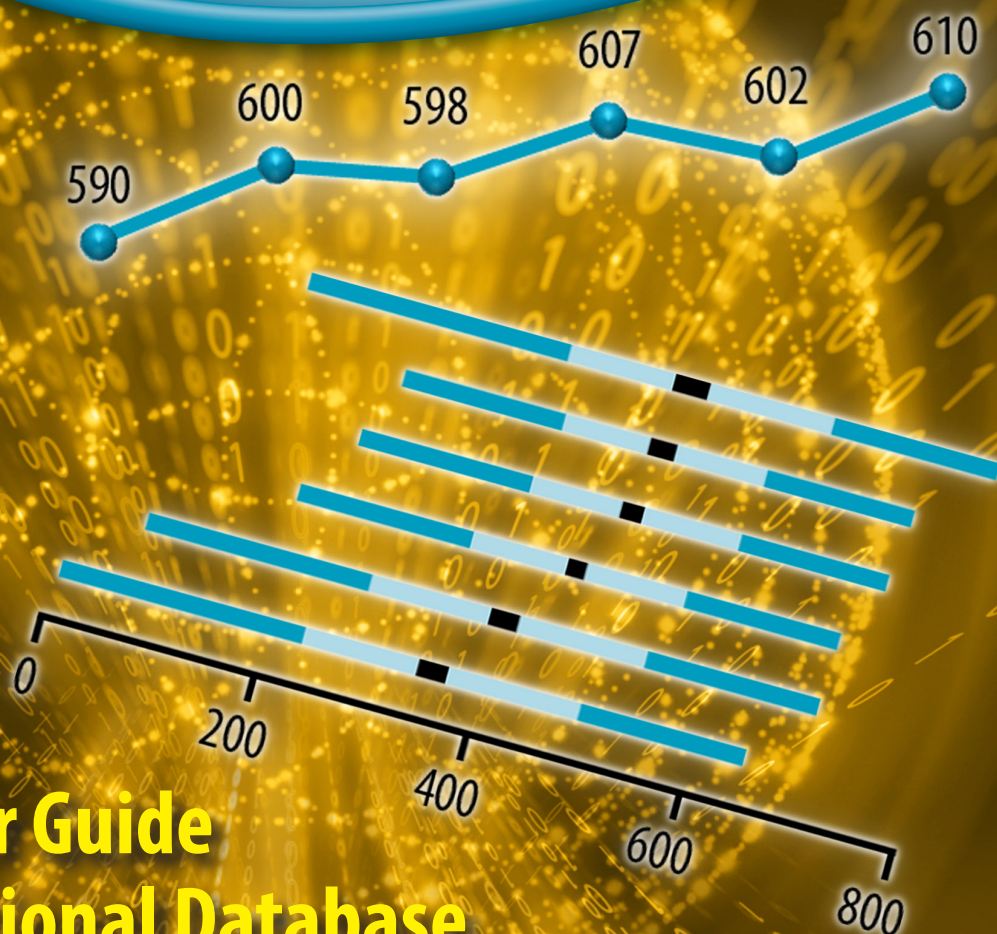
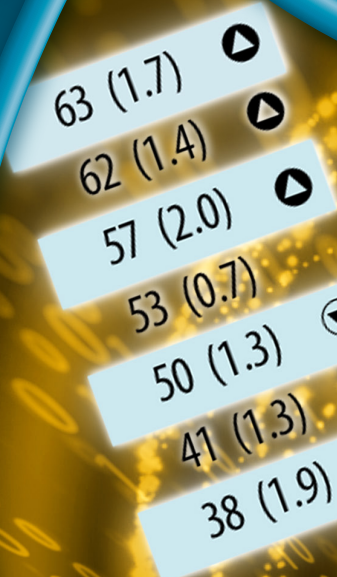


TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

# TIMSS



## TIMSS 2015 User Guide for the International Database

# ITEM PERCENT CORRECT STATISTICS

Mathematics – Eighth Grade



**TIMSS & PIRLS**  
International Study Center  
Lynch School of Education, Boston College

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_01 (M042182): How far did John jump**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	94 (0.8)	▲
Hong Kong SAR	90 (1.5)	▲
Korea, Rep. of	88 (1.3)	▲
Chinese Taipei	88 (1.2)	▲
Japan	84 (1.6)	▲
Norway (9)	79 (2.0)	▲
Italy	79 (1.9)	▲
Ireland	79 (2.0)	▲
Malaysia	79 (1.5)	▲
Canada	75 (1.7)	▲
Malta	74 (1.6)	▲
Slovenia	73 (2.2)	▲
Sweden	73 (2.6)	▲
Australia	72 (1.7)	▲
Lithuania	72 (2.0)	▲
England	71 (1.9)	▲
Hungary	70 (2.0)	▲
Russian Federation	69 (2.7)	▲
Kazakhstan	69 (2.5)	▲
Israel	67 (1.9)	
New Zealand	66 (1.7)	
<b>International Avg.</b>	<b>64 (0.3)</b>	
United States	64 (1.6)	
United Arab Emirates	61 (1.3)	▼
Bahrain	57 (2.1)	▼
Turkey	55 (2.2)	▼
Georgia	55 (3.1)	▼
Thailand	53 (2.3)	▼
Egypt	52 (1.7)	▼
Chile	52 (2.1)	▼
Qatar	51 (2.0)	▼
Iran, Islamic Rep. of	50 (2.2)	▼
Lebanon	49 (2.4)	▼
Kuwait	48 (2.4)	▼
Morocco	46 (1.5)	▼
Botswana (9)	45 (1.8)	▼
Oman	43 (1.7)	▼
South Africa (9)	39 (1.3)	▼
Saudi Arabia	38 (2.1)	▼
Jordan	37 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	81 (2.7)	▲
Norway (8)	76 (1.9)	▲
Dubai, UAE	73 (1.8)	▲
Ontario, Canada	72 (1.9)	▲
Florida, US	59 (4.5)	
Abu Dhabi, UAE	56 (2.1)	▼
Buenos Aires, Argentina	45 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_02 (M042081): Write as decimal number**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	86 (1.2)	▲
Hong Kong SAR	69 (2.4)	▲
Ireland	65 (2.1)	▲
Korea, Rep. of	61 (2.3)	▲
Malta	56 (2.0)	▲
Chinese Taipei	54 (1.9)	▲
United States	52 (1.8)	▲
Slovenia	51 (2.3)	▲
Kazakhstan	48 (3.3)	▲
Japan	48 (2.1)	▲
Australia	46 (2.1)	▲
United Arab Emirates	44 (1.5)	▲
Malaysia	44 (1.8)	▲
England	42 (2.2)	▲
Lebanon	41 (2.6)	▲
Russian Federation	41 (3.1)	
Sweden	38 (2.3)	
Canada	37 (2.0)	
International Avg.	35 (0.3)	
New Zealand	35 (2.6)	
Norway (9)	32 (2.1)	
Hungary	31 (2.1)	▼
Israel	30 (1.7)	▼
Egypt	29 (2.1)	▼
South Africa (9)	26 (1.9)	▼
Georgia	25 (2.2)	▼
Botswana (9)	24 (1.7)	▼
Qatar	24 (1.9)	▼
Oman	24 (1.7)	▼
Kuwait	23 (2.2)	▼
Lithuania	23 (2.2)	▼
Bahrain	18 (2.1)	▼
Iran, Islamic Rep. of	18 (1.8)	▼
Italy	16 (1.6)	▼
Turkey	16 (1.7)	▼
Saudi Arabia	16 (2.5)	▼
Thailand	15 (1.9)	▼
Morocco	15 (1.2)	▼
Chile	9 (1.3)	▼
Jordan	7 (1.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	50 (2.7)	▲
Abu Dhabi, UAE	44 (2.8)	▲
Florida, US	44 (3.3)	▲
Ontario, Canada	38 (3.0)	
Quebec, Canada	36 (2.9)	
Norway (8)	25 (2.3)	▼
Buenos Aires, Argentina	9 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_03 (M042049): What is value of  $3x+3y$   
Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	90 (1.1)	▲
Chinese Taipei	87 (1.4)	▲
Korea, Rep. of	86 (1.5)	▲
Hong Kong SAR	85 (1.6)	▲
Japan	79 (1.8)	▲
Sweden	77 (2.9)	▲
Ireland	76 (2.3)	▲
Hungary	74 (2.2)	▲
Russian Federation	74 (2.4)	▲
England	74 (1.8)	▲
Kazakhstan	73 (2.7)	▲
Slovenia	71 (2.3)	▲
Canada	67 (2.0)	
Norway (9)	66 (2.5)	
Israel	65 (1.6)	
Australia	65 (1.7)	
Bahrain	65 (2.0)	
New Zealand	65 (1.8)	
Lithuania	64 (2.7)	
Malta	64 (2.0)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Italy	62 (2.2)	
Turkey	61 (2.1)	
United States	61 (1.6)	
Qatar	59 (1.7)	▼
Georgia	59 (3.2)	
United Arab Emirates	58 (1.2)	▼
Egypt	56 (1.9)	▼
Iran, Islamic Rep. of	56 (2.0)	▼
Malaysia	55 (1.9)	▼
Chile	53 (2.1)	▼
Lebanon	53 (2.3)	▼
Thailand	52 (1.8)	▼
Oman	52 (1.8)	▼
Botswana (9)	51 (2.3)	▼
Morocco	45 (1.5)	▼
Jordan	45 (2.0)	▼
South Africa (9)	45 (1.7)	▼
Kuwait	43 (2.6)	▼
Saudi Arabia	41 (2.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	71 (3.2)	▲
Dubai, UAE	70 (2.2)	▲
Ontario, Canada	66 (2.6)	
Florida, US	65 (3.5)	
Norway (8)	57 (2.0)	▼
Abu Dhabi, UAE	54 (2.4)	▼
Buenos Aires, Argentina	41 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_04 (M042052): Ratio equivalent to 1:4**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	95 (0.7)	▲
Korea, Rep. of	91 (1.5)	▲
Hong Kong SAR	91 (1.3)	▲
Japan	90 (1.3)	▲
Chinese Taipei	90 (1.2)	▲
Norway (9)	82 (1.9)	▲
Canada	78 (1.7)	▲
Israel	75 (1.6)	▲
Russian Federation	75 (3.0)	▲
England	73 (2.2)	▲
Slovenia	73 (1.8)	▲
Kazakhstan	72 (2.4)	▲
United States	71 (1.6)	▲
Malta	69 (1.6)	▲
Australia	68 (1.8)	▲
Ireland	66 (2.4)	▲
Hungary	66 (2.5)	▲
Italy	65 (2.1)	▲
Lithuania	62 (2.3)	
Malaysia	61 (2.0)	
<b>International Avg.</b>	<b>60 (0.3)</b>	
Bahrain	58 (2.0)	
New Zealand	58 (2.4)	
Iran, Islamic Rep. of	54 (2.2)	▼
Turkey	54 (2.3)	▼
Georgia	53 (2.5)	▼
Qatar	52 (2.1)	▼
United Arab Emirates	51 (1.3)	▼
Sweden	50 (2.5)	▼
Botswana (9)	44 (1.8)	▼
Egypt	44 (2.0)	▼
Thailand	44 (2.3)	▼
Kuwait	41 (3.2)	▼
Lebanon	39 (2.8)	▼
Oman	38 (1.9)	▼
Chile	37 (2.0)	▼
Jordan	31 (1.6)	▼
Saudi Arabia	30 (2.8)	▼
Morocco	29 (1.3)	▼
South Africa (9)	27 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	90 (1.5)	▲
Norway (8)	76 (2.1)	▲
Ontario, Canada	70 (2.5)	▲
Dubai, UAE	68 (1.4)	▲
Florida, US	68 (2.5)	▲
Abu Dhabi, UAE	44 (2.4)	▼
Buenos Aires, Argentina	38 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_05 (M042076): Expression for one-fifth of x**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	79 (1.7)	▲
Singapore	78 (1.8)	▲
Chinese Taipei	77 (1.8)	▲
Hong Kong SAR	77 (2.0)	▲
Japan	72 (1.7)	▲
Georgia	68 (3.0)	▲
Hungary	65 (2.1)	▲
Russian Federation	62 (3.1)	▲
Ireland	61 (2.2)	▲
Kazakhstan	57 (2.8)	▲
United States	54 (1.5)	▲
Malta	54 (2.2)	▲
Israel	54 (2.0)	▲
England	53 (2.2)	▲
Sweden	53 (1.9)	▲
Canada	51 (2.1)	
Slovenia	49 (2.4)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
Australia	48 (1.8)	
United Arab Emirates	47 (1.3)	
Lithuania	47 (2.7)	
New Zealand	47 (2.2)	
Bahrain	46 (1.9)	
Lebanon	46 (2.5)	
Italy	45 (2.4)	
Qatar	45 (2.1)	
Malaysia	43 (1.7)	▼
Turkey	41 (2.3)	▼
Thailand	38 (2.0)	▼
Morocco	38 (1.3)	▼
Norway (9)	36 (2.4)	▼
Egypt	35 (2.0)	▼
Chile	33 (1.7)	▼
Oman	30 (2.0)	▼
Iran, Islamic Rep. of	29 (1.9)	▼
South Africa (9)	29 (1.4)	▼
Botswana (9)	28 (1.6)	▼
Jordan	27 (1.6)	▼
Kuwait	27 (2.5)	▼
Saudi Arabia	21 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	62 (2.2)	▲
Quebec, Canada	62 (2.7)	▲
Ontario, Canada	47 (2.7)	
Florida, US	45 (3.5)	
Abu Dhabi, UAE	40 (2.7)	▼
Buenos Aires, Argentina	34 (3.0)	▼
Norway (8)	32 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_06A (M042302A): Cost of phone for 1 year**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	67 (1.9) ▲	84 (1.3) ▲
Hong Kong SAR	66 (2.2) ▲	81 (1.7) ▲
Chinese Taipei	59 (1.8) ▲	77 (1.7) ▲
Norway (9)	58 (1.9) ▲	78 (1.8) ▲
Canada	58 (1.9) ▲	72 (1.7) ▲
Ireland	57 (2.5) ▲	79 (1.9) ▲
Sweden	57 (2.6) ▲	78 (2.6) ▲
Korea, Rep. of	56 (2.1) ▲	71 (2.1) ▲
England	51 (2.3) ▲	70 (2.4) ▲
Russian Federation	51 (2.9) ▲	70 (2.3) ▲
Hungary	50 (2.3) ▲	73 (2.0) ▲
Japan	49 (2.2) ▲	70 (1.9) ▲
United States	49 (1.9) ▲	64 (1.8) ▲
Australia	49 (1.7) ▲	69 (1.7) ▲
Israel	48 (2.0) ▲	62 (2.1) ▲
Lithuania	47 (2.2) ▲	71 (2.0) ▲
New Zealand	42 (2.0) ▲	62 (1.7) ▲
Slovenia	41 (1.7) ▲	68 (1.8) ▲
Malta	37 (1.9) ▲	56 (2.0) ▲
Italy	36 (2.4) ▲	56 (2.4) ▲
<b>International Avg.</b>	<b>31 (0.3)</b>	<b>48 (0.3)</b>
Kazakhstan	21 (2.5) ▼	46 (3.1) ▼
United Arab Emirates	21 (1.2) ▼	36 (1.5) ▼
Qatar	17 (1.6) ▼	28 (1.9) ▼
Malaysia	17 (1.2) ▼	45 (1.9) ▼
Turkey	16 (1.6) ▼	34 (2.3) ▼
Georgia	15 (1.7) ▼	39 (2.6) ▼
Chile	15 (1.6) ▼	30 (2.1) ▼
Thailand	14 (1.7) ▼	31 (2.0) ▼
Bahrain	11 (1.4) ▼	24 (1.9) ▼
Kuwait	8 (2.1) ▼	19 (2.3) ▼
Iran, Islamic Rep. of	6 (1.1) ▼	12 (1.4) ▼
Lebanon	5 (1.1) ▼	14 (1.8) ▼
Oman	5 (0.8) ▼	14 (1.2) ▼
Egypt	5 (0.9) ▼	14 (1.3) ▼
South Africa (9)	5 (0.9) ▼	21 (1.6) ▼
Botswana (9)	4 (0.8) ▼	17 (1.4) ▼
Morocco	3 (0.5) ▼	12 (1.0) ▼
Jordan	2 (0.6) ▼	9 (1.1) ▼
Saudi Arabia	1 (0.6) ▼	8 (1.6) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	63 (3.0) ▲	71 (3.1) ▲
Ontario, Canada	57 (2.3) ▲	73 (2.3) ▲
Norway (8)	48 (2.3) ▲	75 (1.9) ▲
Florida, US	41 (3.0) ▲	50 (3.4) ▼
Dubai, UAE	35 (2.3) ▼	52 (2.4) ▼
Abu Dhabi, UAE	14 (2.2) ▼	28 (1.9) ▼
Buenos Aires, Argentina	11 (1.5) ▼	27 (2.5) ▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_06B (M042302B): Pay after first year**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	70 (1.6) ▲	80 (1.5) ▲
Chinese Taipei	66 (1.8) ▲	80 (1.4) ▲
Korea, Rep. of	63 (2.2) ▲	74 (2.1) ▲
Hong Kong SAR	63 (2.6) ▲	74 (2.3) ▲
Japan	62 (1.8) ▲	75 (1.7) ▲
Ireland	55 (2.2) ▲	66 (2.1) ▲
Canada	55 (2.1) ▲	68 (1.8) ▲
Lithuania	52 (2.3) ▲	63 (2.4) ▲
Israel	51 (2.3) ▲	60 (2.3) ▲
Norway (9)	50 (2.4) ▲	63 (2.2) ▲
Sweden	48 (2.3) ▲	62 (1.9) ▲
England	48 (2.5) ▲	58 (2.5) ▲
Hungary	48 (2.7) ▲	61 (2.6) ▲
Russian Federation	48 (2.2) ▲	58 (2.3) ▲
United States	47 (1.8) ▲	58 (1.7) ▲
New Zealand	40 (2.0) ▲	51 (2.1) ▲
Italy	40 (2.7) ▲	49 (2.5) ▲
Slovenia	39 (1.9) ▲	52 (2.0) ▲
Australia	38 (1.7) ▲	52 (1.6) ▲
Malta	37 (1.9) ▲	48 (1.7) ▲
<b>International Avg.</b>	<b>31 (0.3)</b>	<b>40 (0.3)</b>
Malaysia	21 (1.4) ▼	30 (1.7) ▼
Turkey	21 (1.8) ▼	28 (2.0) ▼
Kazakhstan	20 (2.2) ▼	37 (2.6) ▼
United Arab Emirates	20 (1.0) ▼	29 (1.2) ▼
Georgia	18 (2.0) ▼	27 (2.1) ▼
Qatar	17 (1.7) ▼	26 (1.9) ▼
Thailand	14 (1.6) ▼	24 (1.8) ▼
Chile	14 (1.5) ▼	24 (1.9) ▼
Bahrain	11 (1.5) ▼	16 (1.6) ▼
Oman	8 (0.9) ▼	14 (1.2) ▼
Kuwait	8 (1.9) ▼	12 (2.1) ▼
Iran, Islamic Rep. of	6 (1.1) ▼	9 (1.4) ▼
Botswana (9)	5 (0.8) ▼	9 (1.2) ▼
Lebanon	4 (1.1) ▼	8 (1.4) ▼
South Africa (9)	4 (0.9) ▼	9 (1.2) ▼
Egypt	4 (0.6) ▼	6 (0.8) ▼
Morocco	4 (0.6) ▼	6 (0.7) ▼
Jordan	3 (0.6) ▼	4 (0.6) ▼
Saudi Arabia	2 (0.5) ▼	6 (1.2) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	64 (3.1) ▲	76 (3.1) ▲
Ontario, Canada	53 (2.4) ▲	66 (2.0) ▲
Norway (8)	40 (1.9) ▲	53 (2.1) ▲
Florida, US	37 (3.7)	46 (3.6)
Dubai, UAE	34 (1.9)	44 (1.9)
Abu Dhabi, UAE	16 (2.1) ▼	23 (2.0) ▼
Buenos Aires, Argentina	11 (1.6) ▼	17 (1.7) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_06C (M042302C): Which plan is less expensive**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Ireland	30 (1.9) ▲	44 (2.1) ▲
Singapore	27 (1.7) ▲	49 (1.8) ▲
Japan	24 (1.5) ▲	36 (1.9) ▲
Korea, Rep. of	19 (1.6) ▲	28 (1.8) ▲
Canada	17 (1.3) ▲	33 (1.6) ▲
Hong Kong SAR	16 (1.7) ▲	27 (1.9) ▲
Norway (9)	13 (1.4) ▲	29 (2.0) ▲
England	13 (1.2) ▲	30 (1.7) ▲
United States	12 (1.0) ▲	23 (1.3) ▲
Israel	11 (1.1) ▲	22 (1.6) ▲
Slovenia	11 (1.5)	29 (2.0) ▲
Hungary	11 (1.2)	27 (2.0) ▲
New Zealand	11 (0.9)	24 (1.1) ▲
United Arab Emirates	10 (0.8)	18 (1.0)
Oman	10 (0.9)	15 (1.1) ▼
Malta	10 (1.3)	20 (1.6)
Chinese Taipei	10 (1.1)	17 (1.4)
Australia	9 (1.3)	19 (1.5)
International Avg.	9 (0.2)	18 (0.2)
Qatar	9 (1.0)	15 (1.3) ▼
Sweden	7 (1.3)	12 (1.7) ▼
Kazakhstan	6 (1.2) ▼	26 (2.2) ▲
Russian Federation	6 (1.0) ▼	21 (1.9)
Thailand	6 (0.8) ▼	12 (1.2) ▼
Kuwait	6 (2.1)	9 (2.2) ▼
Chile	5 (0.7) ▼	12 (1.4) ▼
Bahrain	5 (0.9) ▼	12 (1.2) ▼
Malaysia	5 (0.8) ▼	12 (1.1) ▼
Turkey	5 (0.8) ▼	13 (1.3) ▼
Lithuania	5 (1.1) ▼	23 (2.3) ▲
Georgia	4 (1.0) ▼	12 (1.7) ▼
Italy	4 (0.9) ▼	8 (1.2) ▼
South Africa (9)	3 (0.8) ▼	8 (1.4) ▼
Lebanon	3 (0.7) ▼	4 (0.9) ▼
Botswana (9)	2 (0.5) ▼	8 (0.9) ▼
Iran, Islamic Rep. of	2 (0.6) ▼	6 (0.9) ▼
Jordan	1 (0.5) ▼	3 (0.9) ▼
Egypt	1 (0.4) ▼	5 (0.8) ▼
Morocco	1 (0.3) ▼	5 (0.7) ▼
Saudi Arabia	0 (0.2) ▼	2 (0.6) ▼
<b>Benchmarking Participants</b>		
Ontario, Canada	20 (1.7) ▲	37 (2.3) ▲
Dubai, UAE	18 (1.4) ▲	30 (1.8) ▲
Quebec, Canada	13 (1.9) ▲	25 (2.4) ▲
Florida, US	11 (1.8)	20 (2.3)
Norway (8)	11 (1.3)	25 (1.9) ▲
Abu Dhabi, UAE	7 (1.2)	14 (2.0) ▼
Buenos Aires, Argentina	2 (0.6) ▼	6 (1.4) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_07 (M042100): Pair of numbers that satisfy eqn**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	90 (1.5)	▲
Singapore	87 (1.1)	▲
Chinese Taipei	85 (1.4)	▲
Hong Kong SAR	81 (1.6)	▲
Japan	80 (1.5)	▲
United States	77 (1.3)	▲
Russian Federation	76 (2.1)	▲
Ireland	74 (2.1)	▲
Canada	73 (1.7)	▲
Slovenia	73 (1.7)	▲
Australia	73 (1.5)	▲
Kazakhstan	71 (2.6)	▲
Lithuania	68 (2.4)	▲
Hungary	67 (2.2)	▲
New Zealand	66 (1.8)	▲
Bahrain	66 (2.0)	▲
United Arab Emirates	64 (1.3)	▲
Malta	63 (1.9)	
Israel	63 (1.7)	
Italy	63 (2.3)	
England	63 (2.5)	
<b>International Avg.</b>	<b>61 (0.3)</b>	
Iran, Islamic Rep. of	54 (1.7)	▼
Qatar	54 (2.4)	▼
Georgia	53 (2.8)	▼
Malaysia	53 (2.1)	▼
Sweden	53 (2.4)	▼
Jordan	53 (2.0)	▼
Turkey	52 (2.1)	▼
Egypt	52 (1.9)	▼
Norway (9)	51 (2.4)	▼
Oman	50 (1.8)	▼
Thailand	49 (2.0)	▼
Lebanon	46 (2.3)	▼
Chile	46 (1.9)	▼
Kuwait	45 (2.6)	▼
Saudi Arabia	45 (2.7)	▼
South Africa (9)	40 (1.7)	▼
Botswana (9)	39 (2.0)	▼
Morocco	36 (1.5)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	74 (1.9)	▲
Quebec, Canada	71 (2.8)	▲
Dubai, UAE	71 (2.5)	▲
Florida, US	70 (3.3)	▲
Abu Dhabi, UAE	60 (2.2)	
Norway (8)	41 (2.0)	▼
Buenos Aires, Argentina	34 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_08 (M042202): Formula for K the cost of trip**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	85 (1.3)	▲
Chinese Taipei	82 (1.6)	▲
Hong Kong SAR	77 (1.9)	▲
Korea, Rep. of	75 (1.8)	▲
Japan	74 (1.7)	▲
United States	74 (1.4)	▲
Russian Federation	70 (2.3)	▲
Canada	68 (1.9)	▲
Lithuania	64 (2.2)	▲
Kazakhstan	62 (2.6)	▲
New Zealand	61 (2.1)	▲
Malta	60 (2.2)	▲
England	59 (2.3)	▲
Slovenia	58 (1.9)	▲
Australia	58 (1.5)	▲
Ireland	58 (2.2)	▲
Israel	57 (1.9)	▲
Italy	57 (2.2)	
Hungary	56 (2.4)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
United Arab Emirates	53 (1.1)	
Norway (9)	52 (2.4)	
Qatar	51 (2.0)	
Sweden	50 (2.9)	
Malaysia	50 (1.7)	▼
Georgia	50 (2.5)	
Bahrain	49 (2.0)	▼
Turkey	43 (2.3)	▼
Thailand	41 (1.8)	▼
Iran, Islamic Rep. of	38 (2.1)	▼
Chile	38 (2.5)	▼
Jordan	38 (2.1)	▼
Oman	36 (1.5)	▼
Kuwait	36 (2.3)	▼
Saudi Arabia	36 (2.3)	▼
Lebanon	36 (2.3)	▼
Egypt	35 (1.8)	▼
Botswana (9)	32 (1.8)	▼
South Africa (9)	32 (1.4)	▼
Morocco	27 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	72 (2.9)	▲
Florida, US	71 (3.6)	▲
Dubai, UAE	67 (2.0)	▲
Ontario, Canada	66 (2.4)	▲
Abu Dhabi, UAE	45 (1.9)	▼
Norway (8)	40 (2.7)	▼
Buenos Aires, Argentina	37 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_09 (M042240): Value of x and y**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	86 (1.5)	▲
Chinese Taipei	84 (1.5)	▲
Hong Kong SAR	79 (1.9)	▲
Singapore	79 (1.5)	▲
Russian Federation	77 (2.5)	▲
Slovenia	72 (1.9)	▲
Japan	71 (1.7)	▲
Lithuania	71 (2.1)	▲
Kazakhstan	69 (2.4)	▲
United States	67 (1.7)	▲
Bahrain	61 (2.3)	▲
Israel	61 (1.9)	▲
Canada	61 (1.7)	▲
Italy	59 (2.4)	▲
Australia	58 (1.8)	▲
Ireland	57 (2.5)	
Hungary	57 (2.8)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
Thailand	53 (2.3)	
Georgia	52 (2.3)	
England	52 (1.9)	
Turkey	51 (2.1)	
United Arab Emirates	49 (1.2)	▼
Lebanon	48 (2.6)	
New Zealand	46 (1.9)	▼
Qatar	46 (2.0)	▼
Oman	45 (1.7)	▼
Malaysia	45 (2.0)	▼
Malta	44 (1.8)	▼
Norway (9)	43 (2.1)	▼
Egypt	42 (1.8)	▼
Kuwait	39 (2.7)	▼
Jordan	39 (2.0)	▼
Saudi Arabia	35 (2.5)	▼
Sweden	33 (2.3)	▼
Iran, Islamic Rep. of	32 (2.1)	▼
Chile	29 (2.1)	▼
Botswana (9)	28 (1.8)	▼
Morocco	27 (1.1)	▼
South Africa (9)	17 (1.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	64 (1.8)	▲
Quebec, Canada	61 (3.4)	▲
Ontario, Canada	61 (2.3)	▲
Florida, US	60 (2.9)	▲
Abu Dhabi, UAE	41 (2.3)	▼
Norway (8)	32 (2.3)	▼
Buenos Aires, Argentina	24 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_10 (M042093): Temperature at mountain top**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	61 (2.0)	▲
Singapore	57 (1.8)	▲
Korea, Rep. of	53 (2.0)	▲
Hong Kong SAR	49 (3.0)	▲
Japan	42 (2.1)	▲
Russian Federation	40 (2.9)	▲
Kazakhstan	39 (2.9)	▲
United States	22 (1.4)	▲
Malta	20 (1.5)	▲
Lithuania	19 (2.0)	
Ireland	18 (1.9)	
International Avg.	17 (0.3)	
Israel	16 (1.6)	
Hungary	16 (1.8)	
United Arab Emirates	16 (1.0)	
Australia	16 (1.3)	
Canada	16 (1.2)	
England	14 (1.9)	
Slovenia	14 (1.8)	
Qatar	11 (1.5)	▼
New Zealand	9 (1.1)	▼
Malaysia	9 (0.8)	▼
Sweden	8 (1.3)	▼
Italy	8 (1.2)	▼
Oman	7 (0.8)	▼
Egypt	7 (0.9)	▼
Lebanon	7 (1.4)	▼
Norway (9)	7 (1.1)	▼
Georgia	7 (1.3)	▼
Thailand	7 (1.4)	▼
Bahrain	6 (0.9)	▼
Turkey	6 (1.1)	▼
Saudi Arabia	5 (1.3)	▼
Iran, Islamic Rep. of	5 (1.0)	▼
Kuwait	4 (1.3)	▼
Jordan	4 (0.8)	▼
South Africa (9)	3 (0.8)	▼
Morocco	2 (0.4)	▼
Botswana (9)	2 (0.5)	▼
Chile	2 (0.6)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	26 (2.0)	▲
Florida, US	18 (2.4)	
Quebec, Canada	16 (2.3)	
Ontario, Canada	16 (1.6)	
Abu Dhabi, UAE	13 (1.7)	▼
Norway (8)	5 (1.1)	▼
Buenos Aires, Argentina	1 (0.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_11 (M042271): How many cubes were left**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	80 (1.6)	▲
Singapore	77 (1.5)	▲
Chinese Taipei	77 (1.5)	▲
Hong Kong SAR	74 (2.0)	▲
Lithuania	73 (2.0)	▲
Japan	72 (1.7)	▲
Hungary	71 (2.2)	▲
Canada	69 (1.6)	▲
Ireland	68 (2.2)	▲
Australia	68 (1.8)	▲
Norway (9)	65 (1.9)	▲
England	64 (2.2)	▲
Italy	63 (2.1)	▲
Sweden	63 (2.6)	▲
Russian Federation	62 (2.8)	▲
United States	61 (1.4)	▲
New Zealand	61 (2.2)	▲
Slovenia	59 (2.0)	▲
Israel	57 (1.9)	▲
Bahrain	56 (2.6)	
Kazakhstan	55 (2.7)	
Malta	51 (2.1)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Chile	45 (2.4)	▼
Turkey	42 (1.9)	▼
United Arab Emirates	42 (1.3)	▼
Malaysia	41 (1.8)	▼
Qatar	38 (2.6)	▼
Iran, Islamic Rep. of	36 (2.3)	▼
Oman	36 (1.3)	▼
Georgia	31 (2.3)	▼
Lebanon	30 (2.5)	▼
Kuwait	29 (2.4)	▼
Saudi Arabia	28 (2.2)	▼
Jordan	27 (1.6)	▼
Egypt	26 (1.8)	▼
Thailand	26 (2.2)	▼
Morocco	22 (1.4)	▼
South Africa (9)	19 (1.4)	▼
Botswana (9)	18 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	77 (2.1)	▲
Ontario, Canada	66 (2.1)	▲
Norway (8)	59 (2.1)	▲
Florida, US	52 (3.7)	
Dubai, UAE	52 (2.4)	
Abu Dhabi, UAE	37 (2.2)	▼
Buenos Aires, Argentina	35 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_12 (M042268): Area of the triangle ABC**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Chinese Taipei	78 (1.6)	▲
Singapore	72 (1.9)	▲
Hong Kong SAR	68 (2.1)	▲
Korea, Rep. of	53 (2.2)	▲
Italy	47 (2.7)	▲
Kazakhstan	46 (3.3)	▲
Japan	45 (2.1)	▲
Russian Federation	45 (2.7)	▲
Turkey	38 (2.3)	▲
Bahrain	37 (1.8)	▲
Hungary	36 (2.3)	▲
Lithuania	34 (2.3)	
Israel	33 (1.8)	
Malaysia	32 (1.6)	
<b>International Avg.</b>	<b>31 (0.3)</b>	
Canada	29 (1.9)	
Thailand	29 (2.0)	
Norway (9)	26 (2.1)	▼
Egypt	26 (1.5)	▼
Australia	26 (1.5)	▼
United Arab Emirates	24 (1.0)	▼
Sweden	24 (2.5)	▼
Georgia	24 (2.1)	▼
England	24 (1.7)	▼
Iran, Islamic Rep. of	23 (1.8)	▼
Lebanon	23 (2.3)	▼
United States	23 (1.5)	▼
Slovenia	22 (1.9)	▼
Ireland	22 (1.8)	▼
New Zealand	22 (1.5)	▼
Oman	21 (1.5)	▼
Chile	20 (1.8)	▼
Qatar	20 (1.4)	▼
Jordan	20 (1.4)	▼
Malta	20 (1.5)	▼
Kuwait	18 (1.8)	▼
Saudi Arabia	18 (2.4)	▼
Morocco	15 (1.1)	▼
South Africa (9)	11 (1.2)	▼
Botswana (9)	10 (1.1)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	35 (1.7)	▲
Ontario, Canada	32 (2.6)	
Florida, US	27 (2.7)	
Quebec, Canada	27 (3.3)	
Norway (8)	25 (1.7)	▼
Abu Dhabi, UAE	19 (1.7)	▼
Buenos Aires, Argentina	18 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_13 (M042159): Complete the bar chart**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	85 (1.4)	▲
Singapore	83 (1.2)	▲
Slovenia	81 (1.7)	▲
Lithuania	81 (2.1)	▲
Japan	79 (1.9)	▲
Malta	76 (1.9)	▲
Chinese Taipei	76 (1.8)	▲
Australia	74 (1.4)	▲
Korea, Rep. of	71 (2.2)	▲
Hungary	70 (2.0)	▲
Russian Federation	70 (2.6)	▲
Norway (9)	69 (2.3)	▲
Lebanon	69 (2.2)	▲
Bahrain	67 (1.9)	
United Arab Emirates	67 (1.1)	▲
United States	64 (1.4)	
Kazakhstan	64 (2.1)	
Israel	64 (1.8)	
Thailand	64 (2.1)	
International Avg.	64 (0.3)	
Malaysia	63 (2.0)	
Turkey	62 (1.9)	
Qatar	62 (1.9)	
Morocco	61 (1.2)	
Oman	61 (2.2)	
Italy	60 (2.3)	
Canada	59 (1.5)	▼
Kuwait	59 (2.8)	
England	58 (2.1)	▼
Sweden	57 (2.6)	▼
Chile	56 (2.2)	▼
Iran, Islamic Rep. of	56 (1.4)	▼
Egypt	53 (1.9)	▼
Ireland	53 (2.2)	▼
South Africa (9)	52 (1.7)	▼
Georgia	52 (2.6)	▼
New Zealand	51 (1.8)	▼
Saudi Arabia	49 (2.5)	▼
Botswana (9)	44 (2.2)	▼
Jordan	42 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	75 (1.3)	▲
Norway (8)	71 (1.8)	▲
Florida, US	62 (3.4)	
Abu Dhabi, UAE	60 (2.4)	
Ontario, Canada	59 (1.7)	▼
Quebec, Canada	56 (2.1)	▼
Buenos Aires, Argentina	36 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_14 (M042164): Agree/disagree with the salesman**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	74 (1.6)	▲
Hong Kong SAR	73 (2.2)	▲
Korea, Rep. of	71 (2.0)	▲
Chinese Taipei	64 (1.9)	▲
Canada	59 (2.0)	▲
Ireland	58 (2.2)	▲
Japan	58 (2.3)	▲
Norway (9)	55 (2.1)	▲
England	54 (2.2)	▲
Israel	53 (1.9)	▲
United States	51 (1.9)	▲
Hungary	49 (2.4)	▲
Lithuania	48 (2.4)	▲
Australia	47 (1.7)	▲
Sweden	47 (3.1)	▲
Slovenia	45 (2.2)	▲
New Zealand	42 (1.7)	▲
Malta	40 (1.8)	▲
Kazakhstan	39 (2.7)	
Russian Federation	37 (2.4)	
Turkey	37 (2.2)	
<b>International Avg.</b>	<b>35 (0.3)</b>	
Italy	30 (2.1)	▼
Georgia	28 (2.2)	▼
United Arab Emirates	26 (1.3)	▼
Bahrain	21 (1.7)	▼
Qatar	20 (1.7)	▼
Chile	18 (1.3)	▼
Malaysia	17 (1.4)	▼
Iran, Islamic Rep. of	17 (1.6)	▼
Oman	13 (1.4)	▼
Kuwait	13 (2.2)	▼
Thailand	13 (1.6)	▼
Botswana (9)	11 (1.2)	▼
Lebanon	9 (1.5)	▼
South Africa (9)	9 (1.1)	▼
Jordan	9 (1.0)	▼
Egypt	7 (0.9)	▼
Saudi Arabia	7 (1.3)	▼
Morocco	2 (0.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	66 (3.1)	▲
Ontario, Canada	56 (2.6)	▲
Norway (8)	46 (2.2)	▲
Dubai, UAE	42 (2.2)	▲
Florida, US	40 (3.8)	
Abu Dhabi, UAE	20 (2.5)	▼
Buenos Aires, Argentina	15 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M01\_15 (M042167): Overall average of 9 for Ahmed  
Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	64 (1.8)	▲
Hong Kong SAR	59 (2.6)	▲
Lithuania	59 (2.4)	▲
Korea, Rep. of	59 (2.0)	▲
Chinese Taipei	55 (1.7)	▲
Japan	45 (2.0)	▲
Norway (9)	43 (2.4)	▲
Ireland	39 (2.1)	▲
Hungary	39 (2.3)	▲
Italy	38 (2.3)	▲
Israel	38 (1.9)	▲
Slovenia	37 (2.0)	▲
Turkey	35 (2.4)	▲
Canada	34 (1.8)	▲
Russian Federation	27 (2.6)	
Kazakhstan	27 (2.1)	
United States	26 (1.4)	
<b>International Avg.</b>	<b>25 (0.3)</b>	
England	25 (2.0)	
Australia	23 (1.5)	
Georgia	23 (2.0)	
Sweden	22 (2.0)	
New Zealand	19 (1.9)	▼
Malta	17 (1.3)	▼
Iran, Islamic Rep. of	16 (1.7)	▼
United Arab Emirates	14 (1.0)	▼
Chile	11 (1.2)	▼
Qatar	10 (1.0)	▼
Bahrain	10 (1.4)	▼
Lebanon	9 (1.5)	▼
Thailand	8 (1.3)	▼
Malaysia	8 (0.8)	▼
Kuwait	6 (1.8)	▼
Oman	5 (0.8)	▼
Egypt	4 (0.8)	▼
Morocco	4 (0.6)	▼
Jordan	4 (0.6)	▼
Saudi Arabia	3 (0.9)	▼
South Africa (9)	3 (0.5)	▼
Botswana (9)	2 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	40 (3.5)	▲
Norway (8)	34 (2.1)	▲
Ontario, Canada	33 (2.2)	▲
Dubai, UAE	25 (2.1)	
Buenos Aires, Argentina	20 (2.3)	▼
Florida, US	19 (2.3)	▼
Abu Dhabi, UAE	9 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_01 (M062208): T or F for n (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	85 (1.4)	▲
Hong Kong SAR	85 (1.7)	▲
Singapore	82 (1.5)	▲
Russian Federation	77 (2.2)	▲
Slovenia	76 (1.9)	▲
Korea, Rep. of	75 (2.0)	▲
Japan	73 (1.7)	▲
Hungary	72 (2.2)	▲
Kazakhstan	70 (2.3)	▲
Canada	68 (1.7)	▲
Italy	65 (2.2)	▲
United States	64 (1.7)	▲
Israel	63 (1.8)	▲
Ireland	63 (1.9)	▲
Lithuania	62 (2.3)	▲
Sweden	59 (2.9)	
Lebanon	56 (2.2)	
Georgia	56 (2.7)	
<b>International Avg.</b>	<b>55 (0.3)</b>	
Australia	55 (2.0)	
United Arab Emirates	54 (1.1)	
Norway (9)	54 (2.4)	
Malta	53 (2.0)	
England	50 (2.7)	
Qatar	49 (2.0)	▼
New Zealand	48 (2.0)	▼
Malaysia	44 (1.9)	▼
Iran, Islamic Rep. of	42 (2.2)	▼
Morocco	42 (1.5)	▼
Turkey	41 (2.4)	▼
Bahrain	41 (1.8)	▼
Oman	40 (1.6)	▼
Egypt	40 (2.0)	▼
Thailand	39 (2.6)	▼
Kuwait	39 (2.1)	▼
Chile	38 (2.4)	▼
Jordan	34 (1.9)	▼
Saudi Arabia	30 (2.6)	▼
Botswana (9)	29 (1.7)	▼
South Africa (9)	23 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	74 (2.4)	▲
Dubai, UAE	69 (1.6)	▲
Ontario, Canada	65 (2.1)	▲
Florida, US	59 (2.9)	
Abu Dhabi, UAE	46 (2.2)	▼
Buenos Aires, Argentina	42 (2.6)	▼
Norway (8)	40 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_01A (M062208A): T or F for n - addition**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	96 (0.9)	▲
Chinese Taipei	95 (0.8)	▲
Singapore	95 (0.7)	▲
Hong Kong SAR	95 (0.9)	▲
Ireland	93 (1.1)	▲
Slovenia	93 (1.1)	▲
Russian Federation	92 (1.3)	▲
United States	91 (0.8)	▲
Hungary	91 (1.5)	▲
Japan	90 (1.2)	▲
Kazakhstan	90 (1.3)	▲
Lithuania	90 (1.6)	▲
Canada	90 (1.2)	▲
Australia	89 (1.0)	▲
Italy	89 (1.5)	▲
Sweden	87 (2.1)	
Turkey	87 (1.3)	
United Arab Emirates	86 (0.8)	
Malta	86 (1.6)	
Malaysia	86 (1.2)	
International Avg.	85 (0.2)	
Israel	85 (1.3)	
Georgia	84 (1.9)	
Thailand	84 (1.8)	
New Zealand	84 (1.5)	
Chile	83 (1.9)	
Norway (9)	83 (2.1)	
England	81 (2.3)	
South Africa (9)	81 (1.1)	▼
Iran, Islamic Rep. of	80 (1.5)	▼
Bahrain	80 (2.1)	▼
Kuwait	79 (1.6)	▼
Botswana (9)	78 (1.5)	▼
Morocco	78 (1.0)	▼
Lebanon	78 (1.6)	▼
Oman	77 (1.5)	▼
Jordan	77 (1.2)	▼
Qatar	77 (1.6)	▼
Egypt	76 (1.6)	▼
Saudi Arabia	73 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	94 (1.5)	▲
Dubai, UAE	92 (1.1)	▲
Florida, US	87 (1.8)	
Ontario, Canada	87 (1.6)	
Abu Dhabi, UAE	83 (1.6)	
Norway (8)	77 (1.9)	▼
Buenos Aires, Argentina	67 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_01B (M062208B): T or F for n - subtraction**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Chinese Taipei	90 (1.1)	▲
Hong Kong SAR	89 (1.0)	▲
Singapore	86 (1.3)	▲
Russian Federation	84 (1.9)	▲
Slovenia	84 (1.5)	▲
Korea, Rep. of	84 (1.5)	▲
Hungary	84 (1.8)	▲
Italy	82 (1.8)	▲
Japan	81 (1.7)	▲
Kazakhstan	80 (1.9)	▲
Canada	79 (1.6)	▲
Lithuania	78 (2.1)	▲
Israel	77 (1.5)	▲
Sweden	77 (2.6)	▲
Ireland	76 (1.6)	▲
United States	74 (1.4)	▲
Lebanon	74 (2.1)	
United Arab Emirates	71 (1.0)	
<b>International Avg.</b>	<b>71 (0.3)</b>	
Georgia	70 (2.0)	
New Zealand	70 (1.6)	
Norway (9)	70 (2.0)	
Malta	70 (2.1)	
England	70 (2.2)	
Australia	69 (1.9)	
Bahrain	65 (1.8)	▼
Morocco	64 (1.5)	▼
Qatar	63 (1.8)	▼
Egypt	63 (1.6)	▼
Turkey	62 (1.9)	▼
Kuwait	62 (2.4)	▼
Malaysia	62 (1.8)	▼
Iran, Islamic Rep. of	61 (1.9)	▼
Oman	61 (1.7)	▼
Saudi Arabia	58 (2.3)	▼
Thailand	57 (2.3)	▼
Jordan	56 (1.8)	▼
Chile	56 (2.2)	▼
South Africa (9)	47 (1.8)	▼
Botswana (9)	46 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	83 (2.5)	▲
Dubai, UAE	81 (1.2)	▲
Ontario, Canada	77 (1.9)	▲
Florida, US	74 (2.4)	
Abu Dhabi, UAE	66 (2.2)	▼
Norway (8)	61 (2.0)	▼
Buenos Aires, Argentina	55 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_01C (M062208C): T or F for n - multiplication**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	94 (0.9)	▲
Hong Kong SAR	93 (1.2)	▲
Singapore	91 (1.0)	▲
Korea, Rep. of	91 (1.1)	▲
Slovenia	88 (1.3)	▲
Japan	88 (1.3)	▲
Russian Federation	86 (2.0)	▲
Hungary	85 (1.6)	▲
United States	84 (1.2)	▲
Lebanon	83 (1.6)	▲
Ireland	83 (1.6)	▲
Canada	82 (1.1)	▲
Kazakhstan	82 (2.0)	▲
Lithuania	80 (1.7)	▲
Israel	80 (1.5)	▲
Italy	78 (2.0)	
United Arab Emirates	77 (1.0)	
Australia	77 (1.6)	
<b>International Avg.</b>	<b>77 (0.3)</b>	
Sweden	76 (1.9)	
Malta	75 (1.7)	
Turkey	74 (1.5)	▼
Norway (9)	73 (1.7)	▼
Kuwait	73 (1.9)	▼
New Zealand	73 (1.9)	▼
Morocco	72 (1.1)	▼
Georgia	71 (2.2)	▼
Malaysia	71 (1.8)	▼
Qatar	71 (1.9)	▼
Jordan	70 (1.6)	▼
Chile	70 (2.1)	▼
Iran, Islamic Rep. of	70 (1.7)	▼
England	70 (2.1)	▼
Thailand	69 (2.1)	▼
Bahrain	69 (2.0)	▼
Oman	68 (1.6)	▼
Egypt	68 (1.6)	▼
South Africa (9)	67 (1.4)	▼
Saudi Arabia	64 (2.3)	▼
Botswana (9)	62 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	86 (2.0)	▲
Dubai, UAE	85 (1.3)	▲
Ontario, Canada	81 (1.6)	▲
Florida, US	80 (2.5)	
Abu Dhabi, UAE	73 (2.1)	
Norway (8)	66 (2.2)	▼
Buenos Aires, Argentina	57 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_01D (M062208D): T or F for n - division**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Hong Kong SAR	92 (1.2)	▲
Chinese Taipei	92 (1.0)	▲
Singapore	91 (1.1)	▲
Russian Federation	88 (1.6)	▲
Slovenia	87 (1.5)	▲
Japan	87 (1.2)	▲
Korea, Rep. of	84 (1.5)	▲
Hungary	82 (1.8)	▲
Kazakhstan	81 (1.9)	▲
Canada	78 (1.7)	▲
Italy	77 (2.1)	▲
Ireland	75 (1.8)	▲
Israel	75 (1.7)	▲
Sweden	74 (2.5)	
United States	74 (1.3)	▲
Lithuania	73 (2.1)	
Lebanon	72 (2.1)	
United Arab Emirates	72 (1.1)	
Australia	71 (1.5)	
<b>International Avg.</b>	<b>70 (0.3)</b>	
Malta	70 (1.8)	
Georgia	69 (2.6)	
England	69 (1.8)	
Norway (9)	69 (2.3)	
Malaysia	68 (1.7)	
Qatar	68 (2.0)	
New Zealand	67 (1.7)	
Oman	63 (1.6)	▼
Morocco	63 (1.3)	▼
Bahrain	62 (2.5)	▼
Iran, Islamic Rep. of	61 (2.4)	▼
Turkey	61 (2.3)	▼
Chile	60 (2.1)	▼
Thailand	59 (2.3)	▼
Kuwait	57 (2.1)	▼
Jordan	55 (1.9)	▼
Egypt	54 (2.1)	▼
Saudi Arabia	54 (2.6)	▼
South Africa (9)	47 (1.7)	▼
Botswana (9)	46 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	85 (2.4)	▲
Dubai, UAE	81 (1.3)	▲
Ontario, Canada	75 (2.2)	
Florida, US	70 (2.8)	
Abu Dhabi, UAE	66 (2.3)	▼
Norway (8)	59 (2.5)	▼
Buenos Aires, Argentina	58 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_02 (M062153): Peter, Mark, and Sarah share zeds**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	83 (1.8)	▲
Chinese Taipei	71 (1.7)	▲
Hong Kong SAR	71 (2.3)	▲
Norway (9)	67 (2.0)	▲
Korea, Rep. of	66 (1.8)	▲
Australia	63 (1.7)	▲
Ireland	61 (2.2)	▲
Japan	61 (1.8)	▲
Slovenia	60 (2.2)	▲
Kazakhstan	59 (3.4)	▲
Russian Federation	59 (2.4)	▲
Canada	58 (1.9)	▲
Hungary	58 (2.2)	▲
New Zealand	58 (1.7)	▲
England	57 (2.3)	▲
Turkey	55 (2.3)	▲
Sweden	55 (2.3)	▲
United States	54 (1.6)	▲
Lithuania	53 (2.4)	
Malaysia	53 (2.1)	
Italy	52 (2.4)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Bahrain	47 (1.9)	
Malta	45 (1.8)	▼
Israel	45 (1.9)	▼
Georgia	44 (2.8)	
Iran, Islamic Rep. of	43 (2.1)	▼
United Arab Emirates	42 (1.3)	▼
Chile	42 (2.0)	▼
Thailand	41 (1.8)	▼
Qatar	40 (1.7)	▼
Kuwait	37 (2.4)	▼
Egypt	34 (2.0)	▼
Lebanon	33 (2.4)	▼
Oman	31 (1.6)	▼
Saudi Arabia	30 (2.4)	▼
Botswana (9)	29 (1.5)	▼
Morocco	28 (1.3)	▼
Jordan	27 (1.7)	▼
South Africa (9)	27 (1.1)	▼
<b>Benchmarking Participants</b>		
Norway (8)	59 (2.3)	▲
Ontario, Canada	58 (2.7)	▲
Florida, US	58 (2.7)	▲
Quebec, Canada	57 (2.3)	▲
Dubai, UAE	55 (2.5)	▲
Abu Dhabi, UAE	37 (2.4)	▼
Buenos Aires, Argentina	35 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_03A (M062111A): Flowers Maria sold - percent tulips**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	85 (1.3)	▲
Korea, Rep. of	81 (1.4)	▲
Hong Kong SAR	81 (2.1)	▲
Chinese Taipei	72 (1.4)	▲
Japan	71 (2.0)	▲
Lithuania	70 (2.1)	▲
Norway (9)	64 (2.2)	▲
Russian Federation	64 (2.9)	▲
Slovenia	63 (1.9)	▲
Canada	63 (1.4)	▲
Hungary	62 (2.3)	▲
Ireland	61 (2.3)	▲
Sweden	60 (3.1)	▲
Israel	59 (1.9)	▲
Kazakhstan	58 (3.1)	▲
Italy	57 (2.4)	▲
Australia	55 (1.9)	▲
England	52 (2.4)	▲
United States	49 (1.8)	
New Zealand	48 (1.6)	
Malta	48 (1.9)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Lebanon	43 (2.7)	
Georgia	40 (2.4)	▼
Malaysia	40 (2.2)	▼
United Arab Emirates	39 (1.2)	▼
Qatar	37 (1.9)	▼
Turkey	31 (2.0)	▼
Chile	29 (1.8)	▼
Iran, Islamic Rep. of	28 (2.3)	▼
Bahrain	27 (2.3)	▼
Thailand	27 (2.2)	▼
Kuwait	26 (2.6)	▼
Egypt	24 (1.9)	▼
Oman	21 (1.3)	▼
Morocco	19 (1.1)	▼
Jordan	18 (1.5)	▼
Botswana (9)	16 (1.5)	▼
South Africa (9)	15 (2.0)	▼
Saudi Arabia	14 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	77 (2.0)	▲
Norway (8)	60 (1.9)	▲
Ontario, Canada	58 (2.0)	▲
Dubai, UAE	50 (2.2)	
Florida, US	44 (2.9)	
Abu Dhabi, UAE	33 (2.2)	▼
Buenos Aires, Argentina	29 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_03B (M062111B): Flowers Maria sold - total number  
Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	87 (1.5)	▲
Korea, Rep. of	69 (2.0)	▲
Hong Kong SAR	63 (2.5)	▲
Chinese Taipei	55 (2.2)	▲
Japan	50 (2.0)	▲
Norway (9)	47 (2.5)	▲
Kazakhstan	47 (3.0)	▲
Russian Federation	46 (3.2)	▲
Sweden	44 (2.5)	▲
Ireland	44 (2.3)	▲
Lithuania	43 (2.5)	▲
Hungary	41 (2.4)	▲
Canada	39 (2.0)	▲
England	39 (2.4)	▲
Slovenia	38 (2.3)	▲
Australia	35 (1.9)	▲
Israel	35 (1.8)	▲
United States	32 (1.7)	
New Zealand	32 (1.9)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Italy	28 (2.3)	
Turkey	27 (2.1)	
Malta	24 (1.6)	▼
Georgia	23 (2.6)	▼
United Arab Emirates	22 (1.1)	▼
Iran, Islamic Rep. of	21 (1.9)	▼
Chile	19 (1.5)	▼
Thailand	19 (1.5)	▼
Malaysia	18 (1.2)	▼
Qatar	17 (2.1)	▼
Bahrain	13 (1.2)	▼
Kuwait	11 (2.0)	▼
Lebanon	11 (1.5)	▼
Egypt	9 (1.2)	▼
Oman	8 (1.1)	▼
Morocco	5 (0.7)	▼
Saudi Arabia	5 (1.2)	▼
Botswana (9)	5 (0.8)	▼
South Africa (9)	4 (0.8)	▼
Jordan	4 (0.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	51 (2.9)	▲
Norway (8)	37 (2.4)	▲
Ontario, Canada	35 (2.5)	▲
Dubai, UAE	33 (2.1)	
Florida, US	27 (3.5)	
Abu Dhabi, UAE	16 (2.2)	▼
Buenos Aires, Argentina	16 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_04 (M062237): Solve system of equations for x and y**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	65 (2.2)	▲
Chinese Taipei	65 (1.8)	▲
Korea, Rep. of	62 (2.3)	▲
Singapore	59 (2.0)	▲
Hong Kong SAR	49 (2.6)	▲
Kazakhstan	47 (3.2)	▲
Russian Federation	36 (3.3)	▲
Israel	23 (2.3)	▲
United States	23 (1.4)	▲
Malta	19 (1.5)	
<b>International Avg.</b>	<b>19 (0.3)</b>	
Turkey	18 (1.8)	
Hungary	18 (1.8)	
England	17 (2.0)	
United Arab Emirates	17 (0.9)	
Ireland	17 (1.6)	
Georgia	15 (2.4)	
Canada	15 (1.4)	▼
Lithuania	14 (1.8)	▼
New Zealand	11 (1.2)	▼
Australia	11 (1.3)	▼
Norway (9)	10 (1.5)	▼
Jordan	10 (1.0)	▼
Slovenia	10 (1.2)	▼
Egypt	9 (1.5)	▼
Qatar	9 (1.2)	▼
Thailand	8 (1.3)	▼
Lebanon	7 (1.5)	▼
Bahrain	7 (0.8)	▼
Iran, Islamic Rep. of	6 (1.3)	▼
Kuwait	5 (1.5)	▼
Malaysia	5 (0.7)	▼
Italy	5 (1.2)	▼
Saudi Arabia	5 (1.4)	▼
Oman	5 (0.6)	▼
Chile	2 (0.5)	▼
South Africa (9)	1 (0.4)	▼
Morocco	1 (0.2)	▼
Botswana (9)	1 (0.1)	▼
Sweden	- -	

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants**

Dubai, UAE	29 (2.1)	▲
Florida, US	22 (2.6)	
Quebec, Canada	17 (2.1)	
Ontario, Canada	15 (1.8)	▼
Abu Dhabi, UAE	11 (1.7)	▼
Norway (8)	4 (0.8)	▼
Buenos Aires, Argentina	2 (0.8)	▼

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A dash (-) indicates comparable data not available

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_05 (M062314): Complete table of values for given equation  
Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	67 (1.9)	▲
Chinese Taipei	54 (2.1)	▲
Kazakhstan	50 (3.1)	▲
Russian Federation	50 (2.4)	▲
Korea, Rep. of	50 (2.1)	▲
Japan	41 (2.1)	▲
Hong Kong SAR	41 (2.5)	▲
Malaysia	29 (2.2)	▲
United States	26 (1.5)	▲
Hungary	24 (2.1)	▲
Lithuania	23 (2.2)	▲
Slovenia	20 (1.6)	
United Arab Emirates	19 (1.0)	
<b>International Avg.</b>	<b>19 (0.3)</b>	
Georgia	18 (2.0)	
South Africa (9)	17 (2.0)	
Lebanon	16 (2.0)	
Canada	14 (1.2)	▼
Qatar	13 (1.4)	▼
Iran, Islamic Rep. of	13 (1.5)	▼
Israel	11 (1.3)	▼
Malta	11 (1.2)	▼
Jordan	10 (1.3)	▼
Egypt	10 (1.4)	▼
Ireland	10 (1.4)	▼
Bahrain	10 (1.2)	▼
Italy	10 (1.2)	▼
Oman	10 (1.0)	▼
Australia	9 (1.3)	▼
England	8 (1.2)	▼
Turkey	8 (1.2)	▼
Saudi Arabia	7 (1.4)	▼
Thailand	7 (1.4)	▼
Kuwait	6 (1.8)	▼
New Zealand	5 (0.8)	▼
Norway (9)	5 (0.9)	▼
Chile	4 (0.7)	▼
Botswana (9)	4 (0.8)	▼
Sweden	2 (0.7)	▼
Morocco	1 (0.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	32 (2.0)	▲
Florida, US	29 (3.3)	▲
Quebec, Canada	15 (2.1)	
Ontario, Canada	15 (1.7)	▼
Abu Dhabi, UAE	11 (1.8)	▼
Buenos Aires, Argentina	3 (0.8)	▼
Norway (8)	0 (0.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_06 (M062074): Function for Janet's graph given slope/intercept**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	66 (2.0)	▲
Korea, Rep. of	63 (2.1)	▲
Russian Federation	60 (2.1)	▲
Singapore	58 (1.9)	▲
Israel	56 (1.9)	▲
Chinese Taipei	56 (1.7)	▲
Hungary	55 (2.4)	▲
Kazakhstan	54 (3.0)	▲
United States	54 (1.5)	▲
Ireland	51 (2.1)	▲
Lithuania	50 (2.4)	▲
Bahrain	47 (1.8)	▲
Malta	47 (2.0)	▲
Georgia	47 (2.8)	
Jordan	45 (2.2)	
Lebanon	43 (2.8)	
United Arab Emirates	43 (1.1)	
South Africa (9)	43 (1.7)	
<b>International Avg.</b>	<b>42 (0.3)</b>	
England	39 (2.1)	
Botswana (9)	39 (1.5)	▼
Qatar	39 (2.5)	
Italy	39 (2.4)	
Egypt	39 (2.0)	
Canada	38 (1.6)	▼
Morocco	38 (1.5)	▼
Oman	38 (1.5)	▼
Kuwait	34 (2.8)	▼
Slovenia	34 (2.2)	▼
Hong Kong SAR	34 (2.5)	▼
Malaysia	33 (1.6)	▼
Australia	33 (1.6)	▼
New Zealand	33 (2.1)	▼
Turkey	32 (1.8)	▼
Thailand	30 (1.9)	▼
Saudi Arabia	29 (2.3)	▼
Norway (9)	28 (2.1)	▼
Chile	26 (2.0)	▼
Iran, Islamic Rep. of	26 (1.9)	▼
Sweden	26 (2.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	50 (1.8)	▲
Quebec, Canada	47 (3.0)	
Florida, US	46 (3.0)	
Abu Dhabi, UAE	39 (2.0)	
Ontario, Canada	35 (2.2)	▼
Norway (8)	21 (1.9)	▼
Buenos Aires, Argentina	20 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_07 (M062183): Draw the reflection of shaded object over the line**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	80 (2.0)	▲
Chinese Taipei	78 (1.4)	▲
Korea, Rep. of	77 (1.8)	▲
Japan	77 (1.6)	▲
Singapore	75 (1.6)	▲
Slovenia	69 (2.1)	▲
Lithuania	68 (2.3)	▲
Norway (9)	68 (2.4)	▲
England	65 (2.1)	▲
Hungary	62 (2.4)	▲
Canada	61 (1.6)	▲
New Zealand	57 (1.8)	▲
Russian Federation	52 (2.9)	▲
Australia	50 (1.8)	▲
Malta	48 (1.9)	▲
Kazakhstan	47 (2.8)	
Malaysia	46 (2.1)	
United States	46 (1.7)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Qatar	43 (2.3)	
Italy	41 (2.3)	
Thailand	41 (2.2)	
Sweden	40 (2.6)	
Ireland	38 (1.9)	▼
Bahrain	33 (2.0)	▼
Turkey	32 (2.0)	▼
Chile	31 (2.1)	▼
United Arab Emirates	30 (1.4)	▼
Iran, Islamic Rep. of	28 (1.9)	▼
Morocco	27 (1.4)	▼
Oman	24 (1.2)	▼
Georgia	23 (2.1)	▼
Kuwait	23 (2.4)	▼
Israel	23 (1.9)	▼
Saudi Arabia	19 (1.7)	▼
Lebanon	18 (2.1)	▼
Botswana (9)	15 (1.4)	▼
South Africa (9)	10 (1.3)	▼
Egypt	9 (1.0)	▼
Jordan	7 (1.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	61 (1.8)	▲
Quebec, Canada	61 (2.7)	▲
Norway (8)	60 (2.6)	▲
Florida, US	41 (3.3)	
Dubai, UAE	40 (2.1)	
Abu Dhabi, UAE	23 (2.5)	▼
Buenos Aires, Argentina	17 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_08 (M062202): Liza's net of cube - face opposite face Q**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	94 (1.1)	▲
Japan	92 (1.0)	▲
Chinese Taipei	90 (1.1)	▲
Singapore	88 (1.1)	▲
Hong Kong SAR	88 (1.3)	▲
New Zealand	78 (1.4)	▲
Australia	77 (1.6)	▲
Hungary	77 (2.0)	▲
Ireland	76 (2.1)	▲
England	75 (1.9)	▲
Italy	73 (2.1)	▲
Canada	71 (1.5)	▲
Lithuania	68 (2.3)	▲
Norway (9)	67 (2.3)	▲
Slovenia	64 (2.3)	▲
Sweden	63 (2.0)	
Chile	62 (2.1)	
Turkey	60 (2.2)	
Russian Federation	60 (2.7)	
<b>International Avg.</b>	<b>60 (0.3)</b>	
United States	60 (1.5)	
Iran, Islamic Rep. of	57 (1.9)	
Malaysia	57 (1.8)	
Kazakhstan	56 (2.8)	
Israel	56 (2.1)	
Malta	56 (1.8)	▼
Bahrain	55 (2.0)	▼
Qatar	53 (1.9)	▼
Thailand	53 (2.2)	▼
United Arab Emirates	53 (1.4)	▼
Georgia	50 (2.5)	▼
Morocco	48 (1.5)	▼
Oman	38 (1.3)	▼
Kuwait	36 (2.1)	▼
Jordan	36 (2.0)	▼
South Africa (9)	32 (2.0)	▼
Lebanon	32 (2.3)	▼
Saudi Arabia	32 (2.5)	▼
Egypt	30 (2.0)	▼
Botswana (9)	27 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	73 (2.6)	▲
Ontario, Canada	69 (2.2)	▲
Norway (8)	61 (2.3)	
Dubai, UAE	61 (2.3)	
Florida, US	54 (2.4)	▼
Buenos Aires, Argentina	53 (3.0)	▼
Abu Dhabi, UAE	52 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_09 (M062246): Rami's tiles - 2 pairs with same perimeter**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	61 (1.8)	▲
Chinese Taipei	60 (1.8)	▲
Korea, Rep. of	60 (2.1)	▲
Hong Kong SAR	58 (2.8)	▲
Japan	57 (1.8)	▲
Canada	43 (1.5)	▲
England	37 (2.0)	▲
Italy	36 (2.4)	▲
Kazakhstan	35 (3.3)	
Australia	34 (1.7)	▲
Israel	34 (1.9)	
Slovenia	34 (2.0)	
Hungary	32 (2.0)	
Russian Federation	32 (2.7)	
New Zealand	31 (1.5)	
United States	31 (1.6)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Malta	30 (1.7)	
Norway (9)	29 (2.2)	
Turkey	29 (2.1)	
Ireland	28 (2.0)	
Sweden	27 (2.0)	
Iran, Islamic Rep. of	26 (1.7)	▼
Lithuania	25 (2.0)	▼
Bahrain	24 (1.6)	▼
United Arab Emirates	23 (1.2)	▼
South Africa (9)	23 (1.2)	▼
Malaysia	23 (1.8)	▼
Lebanon	23 (2.3)	▼
Thailand	20 (1.7)	▼
Morocco	20 (1.2)	▼
Egypt	20 (1.6)	▼
Georgia	19 (2.3)	▼
Oman	19 (1.2)	▼
Jordan	18 (1.6)	▼
Kuwait	17 (1.7)	▼
Saudi Arabia	17 (1.8)	▼
Botswana (9)	17 (1.1)	▼
Qatar	15 (1.4)	▼
Chile	15 (1.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants**

Quebec, Canada	44 (2.7)	▲
Ontario, Canada	44 (1.8)	▲
Florida, US	27 (3.1)	
Dubai, UAE	27 (2.3)	
Norway (8)	26 (2.2)	
Abu Dhabi, UAE	22 (2.0)	▼
Buenos Aires, Argentina	16 (2.0)	▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_10 (M062286): Show Kerry how to find area of an irregular shape**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	37 (1.8) ▲	56 (1.8) ▲
Japan	36 (2.0) ▲	50 (2.1) ▲
Korea, Rep. of	34 (2.0) ▲	53 (2.1) ▲
Chinese Taipei	33 (1.9) ▲	48 (2.0) ▲
Hong Kong SAR	27 (2.2) ▲	45 (2.6) ▲
Kazakhstan	14 (2.1) ▲	43 (2.8) ▲
Norway (9)	11 (1.4) ▲	22 (1.9) ▲
Hungary	11 (1.3)	19 (1.6)
Russian Federation	11 (1.5)	28 (2.7) ▲
Slovenia	10 (1.3)	23 (1.9) ▲
Canada	10 (1.0)	28 (1.7) ▲
England	10 (1.3)	24 (2.0) ▲
Israel	9 (1.0)	21 (1.5)
<b>International Avg.</b>	<b>8 (0.2)</b>	<b>18 (0.2)</b>
Turkey	7 (1.2)	23 (2.0) ▲
United States	7 (1.0)	21 (1.5) ▲
Italy	7 (1.2)	19 (1.9)
Lithuania	7 (1.2)	23 (2.1) ▲
Malta	6 (0.9) ▼	14 (1.3) ▼
Sweden	6 (1.1) ▼	17 (1.6)
Australia	5 (0.7) ▼	19 (1.8)
New Zealand	5 (0.6) ▼	17 (1.0)
United Arab Emirates	3 (0.6) ▼	8 (0.8) ▼
Ireland	3 (0.7) ▼	15 (1.5)
Thailand	3 (0.7) ▼	8 (1.2) ▼
Iran, Islamic Rep. of	3 (0.7) ▼	7 (1.2) ▼
Qatar	3 (0.5) ▼	6 (0.7) ▼
Georgia	2 (0.6) ▼	4 (0.9) ▼
Bahrain	1 (0.5) ▼	7 (1.1) ▼
Oman	1 (0.3) ▼	7 (0.6) ▼
Lebanon	1 (0.4) ▼	3 (0.7) ▼
Chile	1 (0.4) ▼	3 (0.6) ▼
Egypt	1 (0.4) ▼	5 (1.0) ▼
Malaysia	1 (0.2) ▼	3 (0.5) ▼
Kuwait	1 (0.5) ▼	4 (1.3) ▼
Jordan	0 (0.2) ▼	1 (0.5) ▼
Botswana (9)	0 (0.1) ▼	2 (0.5) ▼
Morocco	0 (0.1) ▼	0 (0.1) ▼
South Africa (9)	0 (0.1) ▼	1 (0.2) ▼
Saudi Arabia	0 (0.0) ▼	0 (0.2) ▼
<b>Benchmarking Participants</b>		
Ontario, Canada	12 (1.4) ▲	30 (2.1) ▲
Quebec, Canada	9 (1.3)	26 (2.4) ▲
Dubai, UAE	7 (1.6)	17 (1.6)
Norway (8)	5 (1.0) ▼	13 (1.5) ▼
Florida, US	5 (1.2) ▼	16 (2.1)
Abu Dhabi, UAE	3 (0.9) ▼	4 (1.3) ▼
Buenos Aires, Argentina	1 (0.4) ▼	2 (0.7) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_11 (M062325): Statements about electronic device usage survey**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	73 (1.7)	▲
Slovenia	72 (1.9)	▲
Japan	70 (2.1)	▲
Chinese Taipei	68 (1.8)	▲
Norway (9)	67 (2.0)	▲
Lithuania	66 (2.2)	▲
England	64 (2.0)	▲
Hong Kong SAR	62 (2.2)	▲
Sweden	62 (2.2)	▲
Korea, Rep. of	61 (1.8)	▲
United States	58 (1.7)	▲
Thailand	56 (2.0)	▲
New Zealand	54 (1.8)	
Turkey	53 (1.9)	
Australia	52 (1.6)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Ireland	50 (2.1)	
Malta	50 (2.1)	
Kazakhstan	50 (3.2)	
Canada	50 (2.0)	
Bahrain	50 (1.9)	
United Arab Emirates	49 (1.5)	
Italy	48 (2.4)	
Chile	48 (2.3)	
Oman	47 (1.6)	▼
Israel	46 (2.1)	▼
Hungary	46 (2.3)	▼
Morocco	45 (1.3)	▼
Saudi Arabia	45 (2.5)	▼
Botswana (9)	44 (1.6)	▼
Georgia	44 (2.5)	▼
Malaysia	43 (1.8)	▼
Kuwait	43 (2.7)	▼
Egypt	42 (1.8)	▼
Qatar	41 (2.0)	▼
South Africa (9)	39 (1.6)	▼
Jordan	35 (2.1)	▼
Lebanon	35 (2.7)	▼
Russian Federation	33 (2.0)	▼
Iran, Islamic Rep. of	27 (1.9)	▼
<b>Benchmarking Participants</b>		
Norway (8)	68 (2.0)	▲
Ontario, Canada	57 (2.6)	▲
Dubai, UAE	54 (2.7)	
Florida, US	47 (2.4)	
Abu Dhabi, UAE	46 (2.5)	▼
Quebec, Canada	39 (2.9)	▼
Buenos Aires, Argentina	17 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_12 (M062106): Best estimate that the next gumball will be blue**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	74 (2.0)	▲
Japan	72 (1.8)	▲
Hong Kong SAR	70 (2.0)	▲
Chinese Taipei	66 (1.6)	▲
Singapore	60 (1.8)	▲
Bahrain	54 (2.1)	▲
Lithuania	51 (2.3)	▲
England	51 (2.3)	▲
New Zealand	49 (2.2)	
Malta	48 (1.9)	
Turkey	48 (2.0)	
Ireland	48 (2.0)	
United Arab Emirates	47 (1.5)	
<b>International Avg.</b>	<b>46 (0.3)</b>	
Slovenia	46 (2.3)	
Canada	45 (1.7)	
United States	45 (1.8)	
Norway (9)	44 (2.5)	
Qatar	43 (2.4)	
Oman	43 (2.0)	
Jordan	43 (1.8)	
Georgia	43 (2.6)	
South Africa (9)	42 (1.4)	▼
Sweden	42 (2.3)	
Israel	41 (2.2)	▼
Egypt	41 (1.8)	▼
Chile	41 (2.4)	▼
Malaysia	40 (1.5)	▼
Australia	40 (2.0)	▼
Hungary	40 (2.3)	▼
Kuwait	39 (2.4)	▼
Botswana (9)	38 (1.8)	▼
Thailand	38 (1.8)	▼
Italy	38 (2.3)	▼
Lebanon	37 (2.7)	▼
Iran, Islamic Rep. of	37 (1.8)	▼
Saudi Arabia	36 (2.1)	▼
Morocco	36 (1.3)	▼
Russian Federation	36 (3.0)	▼
Kazakhstan	- -	
<b>Benchmarking Participants</b>		
Dubai, UAE	51 (1.9)	▲
Norway (8)	46 (2.1)	
Quebec, Canada	46 (2.8)	
Ontario, Canada	44 (2.5)	
Abu Dhabi, UAE	42 (2.5)	
Buenos Aires, Argentina	37 (2.7)	▼
Florida, US	35 (3.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A dash (-) indicates comparable data not available

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M02\_13 (M062124): Chance Clara picks a blue marble**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	82 (1.7)	▲
Singapore	79 (1.7)	▲
Japan	74 (1.9)	▲
Hong Kong SAR	73 (2.2)	▲
Chinese Taipei	70 (1.8)	▲
Norway (9)	59 (2.4)	▲
Ireland	59 (2.2)	▲
United States	53 (1.7)	▲
Australia	53 (1.6)	▲
New Zealand	51 (2.2)	▲
Canada	50 (2.0)	▲
Sweden	49 (2.4)	▲
England	47 (2.4)	▲
Kazakhstan	45 (2.5)	▲
Israel	43 (2.2)	
Bahrain	42 (2.3)	
Russian Federation	41 (2.2)	
Turkey	39 (2.3)	
<b>International Avg.</b>	<b>39 (0.3)</b>	
Slovenia	39 (2.0)	
Malta	38 (1.8)	
Italy	38 (2.3)	
United Arab Emirates	33 (1.3)	▼
Lithuania	32 (2.4)	▼
Qatar	31 (2.3)	▼
Egypt	31 (1.8)	▼
Thailand	31 (2.3)	▼
Iran, Islamic Rep. of	30 (2.4)	▼
Hungary	30 (2.0)	▼
Malaysia	28 (1.5)	▼
Georgia	24 (2.5)	▼
Saudi Arabia	21 (2.2)	▼
Oman	20 (1.2)	▼
Chile	19 (1.8)	▼
Kuwait	19 (2.1)	▼
South Africa (9)	14 (1.2)	▼
Botswana (9)	14 (1.4)	▼
Jordan	13 (1.5)	▼
Morocco	12 (0.9)	▼
Lebanon	11 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	58 (3.0)	▲
Norway (8)	57 (2.2)	▲
Ontario, Canada	47 (2.5)	▲
Dubai, UAE	47 (2.1)	▲
Florida, US	43 (4.0)	
Abu Dhabi, UAE	28 (2.8)	▼
Buenos Aires, Argentina	17 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_01 (M052209): Decimal closest in size to 3/4.**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	95 (0.8)	▲
Hong Kong SAR	91 (1.5)	▲
Korea, Rep. of	88 (1.5)	▲
Ireland	86 (1.8)	▲
United States	85 (1.3)	▲
Chinese Taipei	80 (1.4)	▲
Canada	80 (1.7)	▲
England	76 (2.0)	▲
Lebanon	75 (2.7)	▲
Japan	75 (1.8)	▲
Kazakhstan	75 (2.2)	▲
Russian Federation	75 (2.4)	▲
Malta	74 (1.6)	▲
Norway (9)	71 (2.2)	▲
Australia	71 (1.6)	▲
Sweden	69 (2.8)	▲
Slovenia	66 (2.2)	▲
New Zealand	66 (1.9)	▲
Lithuania	66 (2.4)	
United Arab Emirates	65 (1.5)	▲
Israel	65 (2.0)	
Malaysia	63 (2.1)	
<b>International Avg.</b>	<b>62 (0.3)</b>	
Italy	59 (2.5)	
Qatar	59 (2.1)	
Hungary	57 (2.4)	▼
Bahrain	52 (2.3)	▼
Egypt	52 (2.2)	▼
Morocco	52 (1.6)	▼
Botswana (9)	51 (2.0)	▼
Kuwait	44 (2.6)	▼
Oman	41 (1.5)	▼
Georgia	41 (2.9)	▼
Turkey	39 (2.1)	▼
South Africa (9)	37 (2.0)	▼
Chile	36 (2.3)	▼
Thailand	36 (2.8)	▼
Iran, Islamic Rep. of	35 (2.1)	▼
Saudi Arabia	35 (2.6)	▼
Jordan	29 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	87 (2.2)	▲
Florida, US	85 (2.8)	▲
Ontario, Canada	77 (2.2)	▲
Dubai, UAE	72 (2.6)	▲
Abu Dhabi, UAE	62 (2.6)	
Norway (8)	60 (2.2)	
Buenos Aires, Argentina	35 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_02 (M052142): Height of a stack of stools**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	72 (2.0)	▲
Chinese Taipei	71 (1.9)	▲
Singapore	71 (1.7)	▲
Japan	66 (1.9)	▲
Hong Kong SAR	60 (2.8)	▲
Canada	54 (1.9)	▲
Kazakhstan	53 (3.0)	▲
United States	49 (1.5)	▲
Ireland	47 (1.9)	▲
Slovenia	46 (2.1)	▲
Hungary	46 (2.2)	▲
England	46 (2.2)	▲
Malaysia	46 (1.9)	▲
Sweden	45 (2.2)	▲
Russian Federation	44 (2.2)	▲
Thailand	44 (2.2)	
Norway (9)	44 (2.4)	
Australia	44 (2.2)	
New Zealand	43 (1.7)	
Lithuania	43 (2.2)	
Israel	40 (1.8)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Bahrain	37 (2.0)	
Chile	37 (2.1)	
Malta	36 (2.0)	
Iran, Islamic Rep. of	34 (2.2)	▼
Turkey	33 (1.9)	▼
Italy	33 (2.2)	▼
United Arab Emirates	32 (1.3)	▼
Georgia	30 (2.0)	▼
Qatar	27 (1.5)	▼
South Africa (9)	24 (1.5)	▼
Jordan	23 (1.7)	▼
Botswana (9)	21 (1.8)	▼
Kuwait	21 (2.0)	▼
Oman	21 (1.5)	▼
Saudi Arabia	20 (1.7)	▼
Lebanon	18 (1.9)	▼
Morocco	16 (1.1)	▼
Egypt	15 (1.5)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	55 (2.3)	▲
Quebec, Canada	52 (3.0)	▲
Florida, US	43 (2.5)	
Dubai, UAE	40 (2.7)	
Norway (8)	36 (2.1)	
Abu Dhabi, UAE	29 (2.3)	▼
Buenos Aires, Argentina	18 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_03 (M052006): Which statement about x is true**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	78 (1.6)	▲
Chinese Taipei	76 (1.5)	▲
Singapore	66 (1.8)	▲
Hong Kong SAR	62 (2.3)	▲
Kazakhstan	60 (2.8)	▲
Russian Federation	58 (2.6)	▲
Japan	57 (1.8)	▲
Thailand	56 (1.7)	▲
Italy	51 (2.2)	▲
United States	51 (1.8)	▲
Israel	50 (2.0)	▲
United Arab Emirates	48 (1.4)	▲
Bahrain	47 (2.5)	
Jordan	44 (2.3)	
International Avg.	44 (0.3)	
Iran, Islamic Rep. of	44 (2.0)	
Botswana (9)	43 (2.2)	
Ireland	43 (2.2)	
England	41 (2.3)	
Qatar	40 (2.5)	
Oman	40 (1.3)	▼
Australia	40 (1.5)	▼
New Zealand	40 (1.8)	▼
Slovenia	39 (2.4)	▼
Egypt	39 (1.8)	▼
Saudi Arabia	39 (2.2)	▼
Malaysia	38 (1.5)	▼
Malta	38 (2.3)	▼
Canada	38 (1.8)	▼
Morocco	37 (1.3)	▼
Hungary	36 (2.3)	▼
Norway (9)	35 (1.9)	▼
Georgia	34 (2.5)	▼
Kuwait	34 (2.5)	▼
Lithuania	34 (2.5)	▼
Sweden	32 (2.3)	▼
Lebanon	31 (2.7)	▼
Turkey	31 (1.9)	▼
South Africa (9)	26 (1.3)	▼
Chile	26 (1.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	55 (2.2)	▲
Florida, US	49 (3.7)	
Abu Dhabi, UAE	45 (2.8)	
Ontario, Canada	39 (2.4)	▼
Quebec, Canada	35 (1.8)	▼
Norway (8)	31 (2.0)	▼
Buenos Aires, Argentina	22 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_04 (M052035): Compare size of decimal numbers**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	81 (1.9)	▲
Chinese Taipei	80 (1.4)	▲
Korea, Rep. of	80 (1.9)	▲
Japan	78 (1.7)	▲
Singapore	74 (1.6)	▲
Norway (9)	72 (2.1)	▲
Canada	64 (1.7)	▲
Ireland	60 (2.1)	▲
Russian Federation	60 (2.6)	▲
Slovenia	58 (2.3)	▲
United States	57 (2.0)	▲
Israel	57 (2.4)	▲
Kazakhstan	55 (3.0)	▲
Lithuania	53 (2.9)	▲
Malta	51 (1.9)	▲
Italy	49 (2.2)	▲
Hungary	48 (2.3)	▲
England	47 (2.2)	▲
Australia	43 (1.7)	
<b>International Avg.</b>	<b>42 (0.3)</b>	
Sweden	42 (2.8)	
Lebanon	40 (2.4)	
New Zealand	39 (1.6)	
Georgia	34 (2.6)	▼
United Arab Emirates	33 (1.3)	▼
Iran, Islamic Rep. of	31 (2.4)	▼
Thailand	30 (2.3)	▼
Qatar	27 (2.0)	▼
Malaysia	25 (1.6)	▼
Morocco	24 (1.3)	▼
Kuwait	23 (2.1)	▼
Turkey	23 (1.6)	▼
Bahrain	21 (1.7)	▼
Chile	16 (1.4)	▼
Jordan	14 (1.4)	▼
Egypt	14 (1.6)	▼
Oman	12 (1.3)	▼
Botswana (9)	9 (1.0)	▼
South Africa (9)	8 (1.3)	▼
Saudi Arabia	8 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	75 (2.6)	▲
Norway (8)	68 (2.0)	▲
Ontario, Canada	60 (2.2)	▲
Dubai, UAE	47 (2.8)	
Florida, US	47 (3.9)	
Buenos Aires, Argentina	28 (2.7)	▼
Abu Dhabi, UAE	27 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_05 (M052016): Milk needed in cake recipe**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	78 (1.7)	▲
Singapore	78 (1.5)	▲
Hong Kong SAR	74 (2.0)	▲
Chinese Taipei	70 (1.6)	▲
Japan	70 (2.1)	▲
Norway (9)	58 (2.2)	▲
Lithuania	55 (2.3)	▲
Canada	54 (2.1)	▲
Sweden	54 (2.6)	▲
Slovenia	52 (2.3)	▲
Kazakhstan	52 (2.7)	▲
England	52 (2.5)	▲
Russian Federation	52 (3.1)	▲
Ireland	50 (2.1)	▲
Hungary	48 (2.4)	▲
Israel	45 (2.0)	▲
Malta	43 (2.0)	▲
New Zealand	41 (2.1)	
Italy	41 (2.4)	
Australia	40 (2.0)	
<b>International Avg.</b>	<b>38 (0.3)</b>	
United States	37 (1.7)	
Malaysia	36 (1.8)	
Lebanon	36 (2.7)	
Georgia	28 (2.6)	▼
United Arab Emirates	28 (1.2)	▼
Turkey	25 (1.9)	▼
Qatar	23 (1.7)	▼
Thailand	22 (2.4)	▼
Bahrain	21 (1.5)	▼
Morocco	17 (1.0)	▼
Iran, Islamic Rep. of	16 (1.9)	▼
Chile	15 (1.5)	▼
Oman	14 (1.2)	▼
Egypt	12 (1.4)	▼
Botswana (9)	11 (1.1)	▼
Jordan	9 (1.2)	▼
Kuwait	9 (1.5)	▼
South Africa (9)	8 (1.4)	▼
Saudi Arabia	7 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	70 (3.5)	▲
Ontario, Canada	46 (2.7)	▲
Norway (8)	45 (2.3)	▲
Dubai, UAE	41 (2.0)	
Florida, US	34 (4.4)	
Abu Dhabi, UAE	22 (2.2)	▼
Buenos Aires, Argentina	21 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_06 (M052064): Value of the given expression**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	89 (1.1)	▲
Hong Kong SAR	81 (1.9)	▲
Chinese Taipei	70 (1.5)	▲
Kazakhstan	70 (2.5)	▲
Korea, Rep. of	68 (2.0)	▲
Russian Federation	67 (2.7)	▲
Ireland	62 (2.0)	▲
United States	62 (1.5)	▲
Israel	62 (2.0)	▲
Malta	62 (2.0)	▲
Canada	58 (1.8)	▲
Malaysia	58 (2.0)	▲
United Arab Emirates	57 (1.1)	▲
Hungary	56 (2.6)	▲
Japan	56 (2.0)	▲
Lebanon	53 (2.8)	
Slovenia	53 (2.2)	
England	51 (2.3)	
Lithuania	50 (2.9)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Australia	49 (2.0)	
Italy	46 (2.1)	
Bahrain	46 (1.8)	▼
Georgia	45 (2.8)	
Qatar	45 (1.9)	▼
Egypt	43 (1.9)	▼
Norway (9)	42 (2.3)	▼
New Zealand	41 (2.0)	▼
Oman	41 (1.8)	▼
Sweden	40 (2.6)	▼
Botswana (9)	36 (1.8)	▼
Kuwait	33 (2.4)	▼
Iran, Islamic Rep. of	33 (2.0)	▼
South Africa (9)	32 (2.2)	▼
Saudi Arabia	31 (2.3)	▼
Morocco	30 (1.1)	▼
Thailand	30 (1.7)	▼
Chile	28 (2.0)	▼
Turkey	28 (1.7)	▼
Jordan	28 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	67 (2.4)	▲
Dubai, UAE	61 (1.8)	▲
Florida, US	58 (3.6)	▲
Ontario, Canada	55 (2.2)	▲
Abu Dhabi, UAE	54 (2.6)	
Norway (8)	30 (2.0)	▼
Buenos Aires, Argentina	22 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_07 (M052126): Expression for the shaded area**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	71 (1.9)	▲
Japan	64 (2.1)	▲
Chinese Taipei	60 (2.1)	▲
Korea, Rep. of	57 (2.4)	▲
Hong Kong SAR	55 (2.8)	▲
Kazakhstan	32 (2.4)	▲
Russian Federation	30 (3.0)	▲
Israel	25 (1.8)	▲
Lithuania	18 (1.9)	
Sweden	17 (1.9)	
<b>International Avg.</b>	<b>17 (0.2)</b>	
Italy	15 (1.7)	
Norway (9)	15 (1.5)	
Slovenia	14 (1.5)	
United Arab Emirates	13 (1.0)	▼
Canada	12 (1.2)	▼
Hungary	11 (1.5)	▼
England	11 (1.4)	▼
Turkey	11 (1.3)	▼
Malta	10 (1.2)	▼
United States	9 (1.1)	▼
Iran, Islamic Rep. of	9 (1.2)	▼
Oman	8 (1.3)	▼
Malaysia	8 (0.8)	▼
Egypt	8 (1.4)	▼
New Zealand	8 (0.9)	▼
Georgia	7 (1.5)	▼
Australia	7 (1.1)	▼
Ireland	6 (1.2)	▼
Qatar	6 (0.9)	▼
Lebanon	5 (1.0)	▼
Bahrain	4 (0.7)	▼
Jordan	4 (0.9)	▼
Morocco	3 (0.6)	▼
Thailand	3 (0.8)	▼
Kuwait	3 (1.1)	▼
Chile	3 (0.7)	▼
Saudi Arabia	2 (0.7)	▼
South Africa (9)	1 (0.3)	▼
Botswana (9)	1 (0.3)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	22 (1.8)	▲
Quebec, Canada	20 (2.6)	
Abu Dhabi, UAE	10 (2.0)	▼
Florida, US	9 (1.5)	▼
Ontario, Canada	8 (1.3)	▼
Norway (8)	6 (0.9)	▼
Buenos Aires, Argentina	3 (0.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_08 (M052103): Value of y when x = 25**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	93 (1.1)	▲
Hong Kong SAR	87 (1.7)	▲
Chinese Taipei	77 (1.4)	▲
Russian Federation	74 (2.7)	▲
Kazakhstan	72 (2.3)	▲
United States	71 (1.5)	▲
Italy	70 (2.2)	▲
Ireland	69 (2.0)	▲
Slovenia	68 (2.1)	▲
Malta	67 (1.8)	▲
Canada	67 (1.9)	▲
Malaysia	66 (2.3)	▲
Israel	64 (1.9)	▲
Lithuania	63 (2.3)	▲
United Arab Emirates	63 (1.2)	▲
Korea, Rep. of	59 (2.0)	▲
Hungary	58 (2.6)	
England	56 (2.5)	
Norway (9)	54 (2.2)	
Lebanon	54 (3.2)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Bahrain	54 (2.1)	
Australia	52 (1.7)	
Egypt	52 (2.1)	
Georgia	46 (2.8)	▼
New Zealand	46 (2.2)	▼
Turkey	45 (2.4)	▼
Oman	43 (1.6)	▼
Qatar	42 (2.0)	▼
Iran, Islamic Rep. of	41 (2.6)	▼
Chile	40 (2.3)	▼
Kuwait	38 (2.3)	▼
Jordan	37 (1.7)	▼
South Africa (9)	36 (2.4)	▼
Saudi Arabia	36 (2.4)	▼
Japan	31 (2.1)	▼
Sweden	29 (2.2)	▼
Thailand	29 (2.5)	▼
Morocco	27 (1.4)	▼
Botswana (9)	24 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	81 (2.5)	▲
Dubai, UAE	72 (1.6)	▲
Florida, US	62 (3.8)	▲
Ontario, Canada	60 (2.4)	▲
Abu Dhabi, UAE	60 (2.5)	▲
Buenos Aires, Argentina	43 (3.1)	▼
Norway (8)	30 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_09 (M052066): Formula for the new rectangle**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	82 (1.6)	▲
Hong Kong SAR	78 (1.9)	▲
Korea, Rep. of	77 (1.9)	▲
Chinese Taipei	76 (1.4)	▲
Russian Federation	75 (1.7)	▲
Japan	74 (1.8)	▲
Kazakhstan	70 (2.3)	▲
Canada	64 (1.6)	▲
United States	60 (1.5)	▲
Lithuania	59 (2.6)	▲
Ireland	57 (2.2)	▲
England	56 (1.9)	▲
Malta	56 (2.1)	▲
Israel	53 (2.1)	
Australia	52 (1.9)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Georgia	51 (2.8)	
Bahrain	50 (2.5)	
Iran, Islamic Rep. of	50 (2.1)	
United Arab Emirates	50 (1.4)	
New Zealand	49 (2.1)	
Hungary	48 (2.1)	
Italy	48 (2.2)	
Turkey	47 (2.5)	
Norway (9)	47 (2.6)	
Lebanon	46 (2.9)	
Qatar	46 (1.6)	▼
Slovenia	45 (2.1)	▼
Egypt	45 (2.3)	▼
Sweden	44 (2.4)	▼
Kuwait	41 (2.5)	▼
Morocco	39 (1.2)	▼
Jordan	39 (2.1)	▼
Thailand	38 (2.4)	▼
Malaysia	36 (1.7)	▼
Botswana (9)	35 (1.9)	▼
Oman	32 (1.7)	▼
South Africa (9)	29 (1.3)	▼
Chile	29 (1.8)	▼
Saudi Arabia	26 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	70 (3.1)	▲
Dubai, UAE	63 (1.6)	▲
Ontario, Canada	62 (2.0)	▲
Florida, US	54 (3.5)	
Abu Dhabi, UAE	43 (2.5)	▼
Norway (8)	33 (2.1)	▼
Buenos Aires, Argentina	19 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_10 (M052041): Height of the building**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	61 (2.1)	▲
Singapore	49 (1.8)	▲
Kazakhstan	49 (3.5)	▲
Hong Kong SAR	44 (2.5)	▲
Chinese Taipei	40 (1.9)	▲
Russian Federation	34 (2.7)	▲
Japan	34 (2.1)	▲
Israel	20 (1.7)	▲
United States	18 (1.3)	
Hungary	16 (1.6)	
<b>International Avg.</b>	<b>16 (0.2)</b>	
Canada	15 (1.3)	
Italy	15 (1.9)	
New Zealand	14 (1.5)	
Australia	13 (1.0)	▼
Norway (9)	13 (1.7)	
Turkey	13 (1.5)	▼
United Arab Emirates	13 (1.0)	▼
Lithuania	12 (1.8)	▼
Malaysia	12 (0.9)	▼
England	12 (1.7)	▼
Slovenia	11 (1.4)	▼
Sweden	11 (1.3)	▼
Ireland	10 (1.6)	▼
Malta	10 (1.1)	▼
Bahrain	8 (1.3)	▼
Egypt	8 (1.3)	▼
Qatar	7 (1.1)	▼
Morocco	6 (0.7)	▼
Georgia	6 (1.3)	▼
Lebanon	6 (1.2)	▼
Saudi Arabia	6 (1.1)	▼
Chile	5 (1.0)	▼
Jordan	5 (1.0)	▼
Iran, Islamic Rep. of	5 (0.9)	▼
Thailand	5 (0.8)	▼
Oman	5 (0.8)	▼
Kuwait	4 (0.9)	▼
South Africa (9)	4 (0.6)	▼
Botswana (9)	3 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	23 (2.6)	▲
Dubai, UAE	15 (1.7)	
Florida, US	14 (2.5)	
Ontario, Canada	12 (1.6)	▼
Abu Dhabi, UAE	12 (2.0)	▼
Norway (8)	9 (1.2)	▼
Buenos Aires, Argentina	5 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_11 (M052057): Figure that can be folded as box**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	81 (1.6)	▲
Singapore	80 (1.3)	▲
Chinese Taipei	77 (1.6)	▲
Japan	77 (1.9)	▲
Hong Kong SAR	75 (1.7)	▲
Canada	69 (1.7)	▲
Kazakhstan	69 (2.5)	▲
Russian Federation	69 (2.5)	▲
New Zealand	69 (1.9)	▲
Australia	68 (1.8)	▲
Lithuania	68 (2.4)	▲
Slovenia	68 (2.4)	▲
England	67 (2.1)	▲
Norway (9)	66 (2.2)	▲
Malaysia	64 (1.8)	▲
Ireland	64 (2.1)	▲
Hungary	62 (2.1)	▲
Italy	62 (2.3)	▲
United States	62 (1.5)	▲
Chile	58 (2.1)	
Sweden	57 (2.1)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Malta	57 (2.1)	
Israel	57 (2.2)	
Thailand	56 (2.1)	
Iran, Islamic Rep. of	56 (2.0)	
Bahrain	54 (1.8)	
United Arab Emirates	54 (1.5)	▼
Morocco	50 (1.6)	▼
Turkey	49 (2.1)	▼
Qatar	49 (1.7)	▼
Georgia	46 (2.9)	▼
Botswana (9)	42 (1.7)	▼
Oman	40 (1.7)	▼
South Africa (9)	39 (1.8)	▼
Jordan	36 (1.9)	▼
Saudi Arabia	34 (2.2)	▼
Kuwait	32 (2.4)	▼
Lebanon	29 (2.6)	▼
Egypt	25 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	71 (2.7)	▲
Ontario, Canada	69 (1.9)	▲
Florida, US	61 (3.6)	
Norway (8)	61 (2.2)	
Dubai, UAE	59 (2.2)	
Abu Dhabi, UAE	53 (2.4)	▼
Buenos Aires, Argentina	37 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_12 (M052417): Value of angle x in figure**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	87 (1.5)	▲
Japan	86 (1.4)	▲
Singapore	85 (1.2)	▲
Hong Kong SAR	80 (2.3)	▲
Chinese Taipei	74 (1.5)	▲
Russian Federation	64 (2.7)	▲
Kazakhstan	62 (2.8)	▲
Israel	53 (2.0)	▲
Lebanon	51 (2.6)	▲
England	49 (2.5)	▲
Canada	49 (2.0)	▲
Hungary	47 (2.6)	
Ireland	47 (2.5)	
Slovenia	45 (2.4)	
Malta	44 (2.2)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
United States	42 (1.6)	
Norway (9)	41 (2.4)	
Lithuania	41 (2.7)	
Egypt	40 (2.0)	
Iran, Islamic Rep. of	39 (1.9)	▼
Turkey	37 (1.7)	▼
Sweden	36 (2.8)	▼
Italy	36 (2.2)	▼
United Arab Emirates	34 (1.5)	▼
New Zealand	34 (2.0)	▼
Morocco	33 (1.7)	▼
Malaysia	32 (1.8)	▼
Australia	32 (2.0)	▼
Qatar	31 (1.9)	▼
Oman	30 (1.8)	▼
Jordan	30 (2.0)	▼
Thailand	30 (2.1)	▼
Georgia	29 (2.8)	▼
Botswana (9)	27 (1.5)	▼
Kuwait	24 (2.2)	▼
Chile	22 (1.8)	▼
South Africa (9)	22 (1.7)	▼
Bahrain	20 (1.3)	▼
Saudi Arabia	13 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	58 (3.2)	▲
Ontario, Canada	48 (2.3)	▲
Dubai, UAE	47 (3.0)	
Norway (8)	36 (2.0)	▼
Florida, US	35 (3.3)	▼
Abu Dhabi, UAE	30 (2.2)	▼
Buenos Aires, Argentina	15 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_13 (M052501): Sports survey bar graph mistake**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	64 (1.9)	▲
England	52 (2.6)	▲
Japan	51 (1.9)	▲
Hong Kong SAR	47 (2.7)	▲
Hungary	46 (2.4)	▲
Norway (9)	45 (2.3)	▲
Sweden	43 (2.7)	▲
Slovenia	42 (2.1)	▲
Ireland	41 (2.2)	▲
Canada	40 (1.5)	▲
Chinese Taipei	40 (1.9)	▲
Korea, Rep. of	40 (1.8)	▲
Australia	38 (1.6)	▲
New Zealand	36 (1.6)	▲
Israel	36 (1.9)	▲
United States	35 (1.8)	▲
Lithuania	30 (2.2)	
<b>International Avg.</b>	<b>27 (0.3)</b>	
Kazakhstan	27 (2.3)	
Russian Federation	26 (2.1)	
Turkey	24 (1.8)	▼
Italy	23 (1.8)	▼
Malta	22 (1.4)	▼
Thailand	22 (1.6)	▼
Chile	21 (1.9)	▼
Qatar	20 (1.3)	▼
Iran, Islamic Rep. of	19 (1.7)	▼
United Arab Emirates	17 (1.2)	▼
Bahrain	15 (1.5)	▼
Lebanon	14 (1.9)	▼
Georgia	12 (1.5)	▼
Malaysia	11 (0.8)	▼
Oman	10 (0.8)	▼
Saudi Arabia	9 (1.3)	▼
Kuwait	9 (1.5)	▼
Egypt	9 (1.2)	▼
South Africa (9)	7 (0.9)	▼
Morocco	7 (0.8)	▼
Jordan	5 (0.8)	▼
Botswana (9)	4 (0.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	49 (1.9)	▲
Norway (8)	37 (2.2)	▲
Dubai, UAE	26 (2.2)	
Quebec, Canada	25 (2.2)	
Florida, US	25 (3.6)	
Abu Dhabi, UAE	14 (1.8)	▼
Buenos Aires, Argentina	10 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_14 (M052410): Students that chose History**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	75 (1.7)	▲
Hong Kong SAR	72 (1.8)	▲
Korea, Rep. of	72 (1.8)	▲
Singapore	71 (1.6)	▲
Chinese Taipei	70 (1.8)	▲
England	67 (2.1)	▲
Hungary	66 (2.3)	▲
Lithuania	63 (2.4)	▲
Norway (9)	63 (2.2)	▲
Russian Federation	63 (3.0)	▲
Slovenia	61 (2.3)	▲
Australia	60 (1.5)	▲
Canada	60 (1.6)	▲
Kazakhstan	59 (2.8)	▲
Ireland	58 (1.8)	▲
Italy	58 (2.4)	▲
New Zealand	58 (2.3)	▲
Israel	55 (1.9)	
Malta	54 (2.5)	
Sweden	54 (2.8)	
United States	52 (1.6)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Georgia	49 (2.8)	
Thailand	47 (1.9)	▼
Qatar	47 (1.8)	▼
Bahrain	46 (1.5)	▼
United Arab Emirates	44 (1.6)	▼
Chile	43 (1.7)	▼
Malaysia	43 (1.7)	▼
Kuwait	41 (2.6)	▼
Lebanon	40 (2.9)	▼
Turkey	40 (1.9)	▼
Iran, Islamic Rep. of	40 (2.3)	▼
Morocco	38 (1.2)	▼
Jordan	37 (1.6)	▼
South Africa (9)	35 (1.5)	▼
Oman	34 (2.0)	▼
Saudi Arabia	33 (2.2)	▼
Egypt	32 (2.0)	▼
Botswana (9)	31 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	60 (2.4)	▲
Ontario, Canada	59 (2.1)	▲
Norway (8)	58 (2.3)	▲
Dubai, UAE	49 (2.4)	
Florida, US	45 (3.3)	▼
Buenos Aires, Argentina	45 (2.6)	▼
Abu Dhabi, UAE	42 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M03\_15 (M052170): List with specified mean and range**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	62 (1.6)	▲
Singapore	59 (1.8)	▲
Korea, Rep. of	58 (2.3)	▲
Hong Kong SAR	56 (2.7)	▲
Chinese Taipei	53 (1.7)	▲
Norway (9)	51 (2.1)	▲
England	51 (2.5)	▲
United States	50 (1.6)	▲
Israel	47 (2.1)	▲
Kazakhstan	45 (2.4)	
Canada	45 (1.6)	▲
Bahrain	44 (1.7)	▲
Ireland	43 (2.4)	
Australia	43 (1.8)	
New Zealand	42 (2.0)	
Russian Federation	42 (2.1)	
Hungary	41 (2.4)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Lithuania	40 (2.2)	
Turkey	40 (2.1)	
Malta	40 (1.7)	
United Arab Emirates	39 (1.3)	
Georgia	39 (2.6)	
Slovenia	39 (2.1)	
Qatar	37 (2.1)	
Jordan	37 (2.0)	
Sweden	36 (2.2)	
Italy	35 (2.3)	▼
Iran, Islamic Rep. of	35 (1.9)	▼
Oman	35 (1.5)	▼
Kuwait	34 (2.4)	▼
Morocco	34 (1.5)	▼
Egypt	33 (1.7)	▼
Malaysia	32 (1.6)	▼
Saudi Arabia	31 (2.2)	▼
Thailand	29 (2.1)	▼
Botswana (9)	28 (1.9)	▼
South Africa (9)	25 (1.3)	▼
Chile	23 (1.7)	▼
Lebanon	20 (1.9)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	49 (2.3)	▲
Norway (8)	45 (2.2)	
Dubai, UAE	43 (2.0)	
Quebec, Canada	43 (3.1)	
Florida, US	42 (3.4)	
Abu Dhabi, UAE	39 (2.2)	
Buenos Aires, Argentina	18 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_01 (M062329): Two million, fifty thousand, three hundred seven**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Chinese Taipei	95 (0.9)	▲
Russian Federation	93 (1.4)	▲
Chile	92 (1.1)	▲
Singapore	91 (1.0)	▲
Hong Kong SAR	91 (1.2)	▲
United States	91 (0.7)	▲
Hungary	90 (1.3)	▲
Ireland	89 (1.5)	▲
Norway (9)	88 (1.5)	▲
Korea, Rep. of	86 (1.5)	▲
Canada	86 (1.2)	▲
Israel	86 (1.4)	▲
Sweden	84 (1.9)	▲
Kazakhstan	84 (1.6)	▲
Italy	84 (1.8)	▲
Georgia	84 (1.8)	▲
New Zealand	84 (1.3)	▲
Japan	83 (1.6)	▲
Thailand	83 (1.6)	▲
Australia	83 (1.5)	▲
Malta	82 (1.5)	▲
Lithuania	82 (1.6)	▲
England	82 (1.7)	▲
Turkey	80 (1.8)	▲
Malaysia	78 (1.6)	▲
<b>International Avg.</b>	<b>74 (0.3)</b>	
Iran, Islamic Rep. of	70 (2.1)	▼
Slovenia	69 (2.3)	▼
Lebanon	66 (2.4)	▼
Kuwait	62 (2.1)	▼
Bahrain	60 (2.1)	▼
United Arab Emirates	60 (1.0)	▼
Botswana (9)	55 (1.5)	▼
South Africa (9)	51 (1.7)	▼
Morocco	49 (1.5)	▼
Qatar	46 (2.1)	▼
Jordan	45 (1.7)	▼
Egypt	39 (1.6)	▼
Oman	35 (1.6)	▼
Saudi Arabia	31 (2.3)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	87 (1.6)	▲
Buenos Aires, Argentina	87 (1.7)	▲
Quebec, Canada	86 (2.1)	▲
Florida, US	84 (2.1)	▲
Norway (8)	83 (2.0)	▲
Dubai, UAE	79 (1.1)	▲
Abu Dhabi, UAE	51 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_02 (M062151): Number of cups of water to fill 3 pitchers**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	69 (2.1)	▲
Singapore	65 (2.2)	▲
Chinese Taipei	56 (1.9)	▲
Hong Kong SAR	53 (2.8)	▲
Japan	49 (2.2)	▲
Norway (9)	48 (1.9)	▲
Ireland	47 (2.2)	▲
Sweden	42 (2.2)	▲
Slovenia	41 (2.2)	▲
Russian Federation	41 (2.6)	▲
Israel	40 (2.0)	▲
England	38 (2.8)	▲
Australia	36 (1.5)	▲
Canada	36 (1.6)	▲
New Zealand	34 (1.5)	▲
Italy	34 (2.4)	▲
Kazakhstan	33 (2.7)	
United States	32 (1.7)	▲
Lithuania	29 (2.4)	
<b>International Avg.</b>	<b>28 (0.3)</b>	
Hungary	27 (2.2)	
Turkey	25 (1.8)	
Malta	25 (2.0)	
Georgia	24 (2.5)	
Iran, Islamic Rep. of	22 (1.6)	▼
Malaysia	17 (1.4)	▼
Chile	16 (1.6)	▼
Thailand	15 (1.6)	▼
United Arab Emirates	14 (1.0)	▼
Lebanon	12 (1.9)	▼
Qatar	11 (1.4)	▼
Bahrain	10 (1.2)	▼
Egypt	9 (1.6)	▼
Kuwait	9 (1.5)	▼
Jordan	7 (0.9)	▼
Oman	5 (0.8)	▼
Morocco	5 (0.6)	▼
Saudi Arabia	4 (0.9)	▼
South Africa (9)	2 (0.5)	▼
Botswana (9)	2 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	40 (2.5)	▲
Norway (8)	38 (2.1)	▲
Ontario, Canada	36 (2.1)	▲
Florida, US	23 (2.6)	
Dubai, UAE	22 (1.5)	▼
Buenos Aires, Argentina	17 (2.1)	▼
Abu Dhabi, UAE	12 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_03 (M062346): Explain which brand has cheaper price per battery**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	64 (2.9)	▲
Singapore	63 (1.9)	▲
Chinese Taipei	61 (2.0)	▲
Korea, Rep. of	52 (1.8)	▲
Canada	50 (1.8)	▲
Japan	48 (2.2)	▲
Norway (9)	47 (2.1)	▲
United States	44 (1.7)	▲
Ireland	43 (2.1)	▲
England	43 (2.2)	▲
Israel	42 (1.9)	▲
Malta	40 (1.8)	▲
Sweden	39 (2.5)	▲
Hungary	37 (2.1)	▲
Slovenia	36 (2.2)	▲
Lithuania	35 (2.5)	▲
Russian Federation	35 (2.5)	▲
Kazakhstan	34 (2.4)	
Italy	33 (2.0)	
New Zealand	31 (2.0)	
Malaysia	31 (1.8)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Turkey	29 (1.8)	
Australia	26 (1.8)	
United Arab Emirates	24 (1.1)	▼
Qatar	18 (1.5)	▼
Bahrain	17 (2.1)	▼
Iran, Islamic Rep. of	16 (1.6)	▼
Thailand	16 (2.0)	▼
Georgia	14 (1.7)	▼
Oman	14 (1.1)	▼
Lebanon	13 (1.6)	▼
Chile	9 (1.1)	▼
Saudi Arabia	9 (1.3)	▼
Jordan	8 (1.0)	▼
Kuwait	7 (1.4)	▼
Morocco	6 (0.7)	▼
Botswana (9)	6 (0.9)	▼
South Africa (9)	5 (1.1)	▼
Egypt	5 (0.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	55 (3.2)	▲
Ontario, Canada	49 (2.4)	▲
Dubai, UAE	40 (2.0)	▲
Norway (8)	39 (2.1)	▲
Florida, US	35 (3.0)	
Abu Dhabi, UAE	20 (2.2)	▼
Buenos Aires, Argentina	13 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_04 (M062212): Four containers partially filled with water**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	59 (1.8)	▲
Hong Kong SAR	55 (2.5)	▲
Korea, Rep. of	53 (2.2)	▲
Japan	47 (2.0)	▲
Chinese Taipei	45 (2.0)	▲
Ireland	41 (1.8)	▲
Canada	40 (1.8)	▲
Norway (9)	39 (2.2)	▲
Australia	37 (1.6)	▲
England	37 (2.2)	▲
Bahrain	36 (2.0)	▲
Sweden	35 (2.7)	▲
New Zealand	34 (1.8)	▲
Slovenia	34 (2.2)	▲
Kazakhstan	33 (2.7)	
United States	32 (1.6)	▲
Israel	30 (1.8)	
Russian Federation	30 (2.3)	
Hungary	29 (2.1)	
<b>International Avg.</b>	<b>28 (0.3)</b>	
Malta	28 (1.9)	
Lithuania	24 (2.6)	
Italy	23 (2.0)	▼
Kuwait	22 (2.1)	▼
United Arab Emirates	21 (1.2)	▼
Qatar	20 (1.4)	▼
Egypt	19 (1.7)	▼
Iran, Islamic Rep. of	18 (1.5)	▼
Malaysia	18 (1.3)	▼
Georgia	17 (2.1)	▼
Turkey	17 (1.3)	▼
Saudi Arabia	17 (2.3)	▼
Thailand	17 (1.9)	▼
Chile	16 (1.4)	▼
Oman	14 (1.3)	▼
Jordan	14 (1.4)	▼
Lebanon	13 (1.6)	▼
Botswana (9)	13 (1.3)	▼
South Africa (9)	11 (1.0)	▼
Morocco	10 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	46 (2.7)	▲
Ontario, Canada	37 (2.2)	▲
Norway (8)	34 (2.5)	▲
Dubai, UAE	28 (2.0)	
Florida, US	28 (2.8)	
Buenos Aires, Argentina	20 (2.0)	▼
Abu Dhabi, UAE	20 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_05 (M062056): Write the expression with x and y in simplest form**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	64 (1.9)	▲
Singapore	60 (1.7)	▲
Chinese Taipei	59 (1.6)	▲
Korea, Rep. of	57 (2.3)	▲
Kazakhstan	47 (3.0)	▲
Hong Kong SAR	46 (3.2)	▲
Russian Federation	45 (2.4)	▲
Lebanon	30 (2.4)	▲
Slovenia	27 (2.1)	▲
Hungary	25 (2.2)	▲
Israel	20 (1.7)	
Sweden	19 (2.2)	
<b>International Avg.</b>	<b>18 (0.3)</b>	
United States	18 (1.4)	
Norway (9)	17 (1.7)	
Lithuania	13 (1.8)	▼
Georgia	13 (1.8)	▼
Italy	12 (1.8)	▼
Malta	12 (1.2)	▼
United Arab Emirates	12 (1.1)	▼
Canada	12 (1.0)	▼
Iran, Islamic Rep. of	11 (1.4)	▼
Qatar	9 (0.9)	▼
England	9 (1.3)	▼
Turkey	9 (1.2)	▼
Ireland	8 (1.2)	▼
Jordan	7 (1.0)	▼
Morocco	7 (0.7)	▼
Malaysia	6 (0.7)	▼
Thailand	6 (1.2)	▼
Kuwait	6 (1.5)	▼
Oman	6 (0.9)	▼
Bahrain	6 (0.8)	▼
New Zealand	5 (0.9)	▼
Egypt	5 (0.9)	▼
Chile	4 (0.9)	▼
Australia	4 (0.8)	▼
South Africa (9)	3 (0.7)	▼
Saudi Arabia	1 (0.4)	▼
Botswana (9)	0 (0.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	28 (2.2)	▲
Dubai, UAE	21 (2.7)	
Florida, US	14 (2.1)	▼
Abu Dhabi, UAE	7 (1.2)	▼
Norway (8)	6 (1.1)	▼
Ontario, Canada	4 (1.0)	▼
Buenos Aires, Argentina	1 (0.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_06 (M062317): Points on a parabola graph - fill in table**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	67 (1.9)	▲
Japan	63 (2.1)	▲
Hong Kong SAR	58 (2.6)	▲
Chinese Taipei	57 (1.9)	▲
Russian Federation	54 (2.5)	▲
Kazakhstan	50 (2.9)	▲
Korea, Rep. of	49 (2.1)	▲
United States	44 (1.9)	▲
Hungary	39 (2.6)	▲
Israel	36 (2.2)	▲
Malta	35 (2.0)	▲
England	33 (2.6)	▲
Australia	29 (1.7)	▲
Slovenia	27 (2.3)	
United Arab Emirates	26 (1.3)	
<b>International Avg.</b>	<b>24 (0.3)</b>	
Canada	23 (1.7)	
Lithuania	23 (2.0)	
New Zealand	23 (1.6)	
Lebanon	19 (2.1)	▼
Bahrain	18 (2.3)	▼
Qatar	17 (1.3)	▼
Italy	17 (2.0)	▼
Ireland	16 (1.6)	▼
Malaysia	14 (1.3)	▼
Jordan	13 (1.7)	▼
Norway (9)	12 (1.5)	▼
Georgia	12 (2.2)	▼
Oman	12 (1.2)	▼
Sweden	11 (1.8)	▼
Thailand	9 (1.9)	▼
Saudi Arabia	7 (1.1)	▼
Turkey	7 (1.1)	▼
Chile	7 (1.1)	▼
Kuwait	6 (1.2)	▼
South Africa (9)	6 (1.2)	▼
Botswana (9)	6 (1.1)	▼
Egypt	5 (1.0)	▼
Iran, Islamic Rep. of	4 (0.8)	▼
Morocco	3 (0.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	36 (3.1)	▲
Dubai, UAE	35 (2.0)	▲
Quebec, Canada	34 (3.6)	▲
Abu Dhabi, UAE	21 (2.4)	
Ontario, Canada	18 (2.1)	▼
Norway (8)	7 (1.0)	▼
Buenos Aires, Argentina	4 (1.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_07 (M062350): Given point and slope, select collinear point**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	46 (2.0)	▲
Kazakhstan	46 (3.0)	▲
United States	43 (1.4)	▲
Korea, Rep. of	41 (2.4)	▲
Bahrain	37 (1.8)	▲
Singapore	34 (2.0)	▲
Israel	33 (2.1)	▲
Chinese Taipei	31 (1.7)	▲
Russian Federation	28 (3.0)	▲
Hungary	26 (2.1)	▲
Hong Kong SAR	24 (2.4)	
England	24 (1.6)	
<b>International Avg.</b>	<b>21 (0.3)</b>	
New Zealand	20 (1.9)	
Iran, Islamic Rep. of	19 (1.5)	
Ireland	18 (1.7)	
Norway (9)	18 (1.8)	
Turkey	18 (1.5)	▼
Georgia	18 (1.9)	
United Arab Emirates	17 (1.0)	▼
Oman	16 (1.3)	▼
Malaysia	16 (1.4)	▼
Australia	16 (1.2)	▼
Saudi Arabia	16 (1.8)	▼
Qatar	15 (1.3)	▼
Italy	15 (1.6)	▼
Malta	15 (1.6)	▼
South Africa (9)	15 (1.0)	▼
Egypt	15 (1.4)	▼
Canada	15 (1.5)	▼
Sweden	14 (1.7)	▼
Morocco	14 (1.1)	▼
Thailand	13 (1.2)	▼
Lebanon	12 (1.9)	▼
Kuwait	12 (1.6)	▼
Slovenia	12 (1.5)	▼
Jordan	11 (1.0)	▼
Botswana (9)	11 (1.3)	▼
Lithuania	11 (1.5)	▼
Chile	10 (1.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	37 (3.1)	▲
Dubai, UAE	21 (1.5)	
Quebec, Canada	18 (2.2)	
Norway (8)	16 (1.5)	▼
Abu Dhabi, UAE	15 (1.7)	▼
Ontario, Canada	13 (2.0)	▼
Buenos Aires, Argentina	7 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_08 (M062078): Given perimeter of triangle ABC find length of AB**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	71 (1.8)	▲
Singapore	69 (1.8)	▲
Korea, Rep. of	68 (1.9)	▲
Hong Kong SAR	59 (2.7)	▲
Kazakhstan	55 (2.9)	▲
Japan	50 (2.0)	▲
Russian Federation	49 (3.2)	▲
Israel	43 (2.2)	▲
Lithuania	37 (2.4)	▲
Hungary	37 (2.2)	▲
Sweden	35 (2.2)	▲
Canada	34 (1.7)	▲
Georgia	33 (3.0)	
United States	32 (1.4)	▲
Ireland	32 (2.1)	
Malta	32 (1.5)	▲
England	30 (2.1)	
<b>International Avg.</b>	<b>29 (0.3)</b>	
Australia	28 (1.7)	
Norway (9)	27 (2.1)	
Slovenia	27 (2.1)	
United Arab Emirates	24 (1.3)	▼
New Zealand	24 (1.7)	▼
Turkey	24 (1.8)	▼
Italy	22 (2.0)	▼
Qatar	19 (1.7)	▼
Bahrain	18 (1.5)	▼
Malaysia	18 (1.4)	▼
Iran, Islamic Rep. of	17 (1.6)	▼
Lebanon	16 (2.2)	▼
Egypt	15 (1.6)	▼
Thailand	15 (1.8)	▼
Oman	14 (1.3)	▼
Chile	11 (1.3)	▼
Jordan	10 (1.3)	▼
Morocco	8 (0.8)	▼
Kuwait	8 (1.3)	▼
South Africa (9)	7 (1.0)	▼
Botswana (9)	5 (0.6)	▼
Saudi Arabia	5 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	44 (2.9)	▲
Dubai, UAE	39 (2.6)	▲
Ontario, Canada	30 (2.1)	
Florida, US	24 (2.7)	
Abu Dhabi, UAE	18 (2.3)	▼
Norway (8)	15 (1.8)	▼
Buenos Aires, Argentina	12 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_09 (M062284): Choose the pair of congruent quadrilaterals**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	84 (1.5)	▲
Korea, Rep. of	83 (1.6)	▲
Chinese Taipei	78 (1.7)	▲
Slovenia	77 (1.6)	▲
Russian Federation	77 (2.0)	▲
Kazakhstan	76 (2.2)	▲
Lithuania	72 (2.5)	▲
Singapore	71 (1.5)	▲
Hong Kong SAR	71 (2.1)	▲
Italy	68 (2.3)	▲
Thailand	68 (1.8)	▲
Canada	65 (1.8)	▲
Lebanon	63 (3.0)	▲
Morocco	62 (1.3)	▲
United States	62 (1.5)	▲
Georgia	61 (2.6)	
Bahrain	58 (1.9)	
Israel	58 (2.3)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Hungary	56 (2.1)	
Malaysia	54 (1.6)	▼
England	54 (2.3)	
Iran, Islamic Rep. of	51 (2.0)	▼
Ireland	51 (2.0)	▼
Qatar	51 (2.8)	▼
Egypt	50 (2.4)	▼
United Arab Emirates	50 (1.3)	▼
Jordan	49 (2.0)	▼
Turkey	48 (1.8)	▼
New Zealand	48 (2.1)	▼
South Africa (9)	48 (1.5)	▼
Australia	47 (2.0)	▼
Kuwait	46 (2.6)	▼
Oman	44 (1.6)	▼
Chile	44 (2.0)	▼
Malta	40 (2.2)	▼
Botswana (9)	40 (1.9)	▼
Norway (9)	39 (1.7)	▼
Sweden	37 (2.4)	▼
Saudi Arabia	29 (2.1)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	69 (2.3)	▲
Florida, US	58 (3.0)	
Quebec, Canada	57 (2.9)	
Dubai, UAE	57 (2.0)	
Abu Dhabi, UAE	48 (2.5)	▼
Norway (8)	43 (2.3)	▼
Buenos Aires, Argentina	36 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_10 (M062245): Coordinates of 4th vertex for Pia's rectangle**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	75 (1.6)	▲
Hong Kong SAR	67 (2.2)	▲
Korea, Rep. of	66 (1.8)	▲
Russian Federation	61 (2.2)	▲
Japan	59 (2.0)	▲
Kazakhstan	59 (2.9)	▲
United States	58 (1.5)	▲
Singapore	58 (1.7)	▲
Bahrain	51 (1.9)	▲
Hungary	50 (2.7)	▲
Slovenia	49 (1.9)	▲
England	49 (1.9)	▲
Canada	48 (1.6)	▲
Lithuania	48 (2.4)	▲
Georgia	45 (2.8)	
Turkey	44 (2.0)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Ireland	42 (2.5)	
Malaysia	42 (1.9)	
Israel	42 (1.9)	
Malta	42 (1.8)	
United Arab Emirates	42 (1.5)	
Qatar	40 (1.8)	
Italy	39 (2.3)	
Australia	38 (2.0)	▼
Oman	38 (1.4)	▼
New Zealand	36 (2.6)	▼
Norway (9)	36 (1.9)	▼
Lebanon	36 (2.5)	▼
Jordan	35 (2.0)	▼
Kuwait	33 (2.5)	▼
Sweden	32 (2.2)	▼
Thailand	30 (2.1)	▼
Chile	29 (1.8)	▼
Egypt	29 (1.8)	▼
Saudi Arabia	29 (1.9)	▼
Iran, Islamic Rep. of	28 (2.5)	▼
South Africa (9)	25 (1.5)	▼
Botswana (9)	25 (1.6)	▼
Morocco	21 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	53 (2.8)	▲
Florida, US	51 (3.2)	▲
Dubai, UAE	50 (2.0)	▲
Ontario, Canada	47 (2.5)	
Abu Dhabi, UAE	40 (3.0)	
Norway (8)	31 (2.0)	▼
Buenos Aires, Argentina	15 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_11 (M062287): Shaded areas with overlapping congruent triangles**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	43 (2.3)	▲
Singapore	41 (1.9)	▲
Hong Kong SAR	39 (2.7)	▲
Chinese Taipei	37 (1.8)	▲
Japan	36 (2.4)	▲
Kazakhstan	19 (2.7)	▲
Slovenia	19 (2.0)	▲
Canada	18 (1.3)	▲
Hungary	18 (1.5)	▲
Israel	16 (1.6)	
Ireland	16 (1.6)	
England	16 (1.6)	
Norway (9)	15 (1.2)	
Sweden	14 (1.7)	
New Zealand	14 (1.0)	
United States	14 (1.0)	
<b>International Avg.</b>	<b>13 (0.2)</b>	
Australia	12 (1.0)	
Lebanon	11 (1.5)	
Italy	11 (1.4)	
Malta	10 (1.2)	▼
Russian Federation	10 (1.5)	▼
Malaysia	9 (0.8)	▼
Lithuania	9 (1.6)	▼
Saudi Arabia	8 (1.2)	▼
Thailand	8 (1.2)	▼
Turkey	7 (1.0)	▼
United Arab Emirates	7 (0.7)	▼
Iran, Islamic Rep. of	7 (1.2)	▼
Qatar	7 (1.1)	▼
Bahrain	6 (1.0)	▼
Egypt	5 (0.9)	▼
Oman	5 (0.7)	▼
South Africa (9)	3 (0.7)	▼
Georgia	3 (0.8)	▼
Botswana (9)	2 (0.4)	▼
Jordan	2 (0.5)	▼
Kuwait	2 (0.5)	▼
Chile	1 (0.4)	▼
Morocco	1 (0.3)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	20 (2.0)	▲
Dubai, UAE	14 (1.5)	
Quebec, Canada	13 (2.0)	
Norway (8)	12 (1.2)	
Florida, US	9 (1.8)	▼
Abu Dhabi, UAE	6 (1.1)	▼
Buenos Aires, Argentina	2 (0.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_12A (M062345A): Fishing spots - calculate mean and median**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	59 (2.0) ▲	84 (1.4) ▲
Norway (9)	51 (2.1) ▲	76 (1.6) ▲
United States	48 (1.5) ▲	78 (1.2) ▲
England	45 (2.2) ▲	77 (2.1) ▲
Japan	44 (2.2) ▲	85 (1.5) ▲
Malta	35 (1.9) ▲	59 (1.8) ▲
Hong Kong SAR	31 (2.4) ▲	83 (2.1) ▲
Kuwait	31 (2.6) ▲	65 (2.3) ▲
Australia	31 (1.7) ▲	59 (1.7) ▲
Canada	28 (1.6) ▲	64 (1.8) ▲
New Zealand	28 (2.1) ▲	58 (2.3) ▲
United Arab Emirates	28 (1.4) ▲	52 (1.7) ▲
Kazakhstan	27 (3.1) ▼	46 (3.4) ▼
Malaysia	27 (1.9) ▲	50 (2.4) ▼
Israel	27 (2.3) ▼	60 (2.2) ▲
Chinese Taipei	27 (1.7) ▲	75 (1.5) ▲
Ireland	27 (2.5) ▼	50 (2.8) ▼
Turkey	27 (1.9) ▼	56 (1.9) ▼
Bahrain	25 (2.1) ▼	62 (2.2) ▲
Korea, Rep. of	24 (1.6) ▼	75 (2.0) ▲
International Avg.	23 (0.3)	53 (0.3)
Sweden	23 (2.3) ▼	49 (2.8) ▼
Oman	21 (1.6) ▼	45 (1.8) ▼
Saudi Arabia	21 (2.3) ▼	56 (2.5) ▼
Italy	20 (2.0) ▼	60 (2.6) ▲
Qatar	18 (1.3) ▼	38 (2.0) ▼
Russian Federation	18 (2.7) ▼	49 (2.9) ▼
Botswana (9)	17 (1.6) ▼	50 (1.9) ▼
Lithuania	15 (1.9) ▼	68 (2.5) ▲
Hungary	14 (1.8) ▼	65 (1.9) ▲
Chile	13 (1.7) ▼	35 (2.8) ▼
Georgia	12 (1.9) ▼	36 (2.6) ▼
Egypt	9 (0.9) ▼	25 (1.8) ▼
Iran, Islamic Rep. of	8 (1.1) ▼	40 (2.2) ▼
Slovenia	7 (1.6) ▼	54 (2.2) ▼
Jordan	6 (1.0) ▼	15 (1.9) ▼
Thailand	5 (1.3) ▼	16 (2.2) ▼
South Africa (9)	5 (1.0) ▼	33 (1.8) ▼
Lebanon	1 (0.7) ▼	10 (1.6) ▼
Morocco	0 (0.2) ▼	9 (1.0) ▼
<b>Benchmarking Participants</b>		
Ontario, Canada	42 (2.4) ▲	67 (2.3) ▲
Norway (8)	39 (2.2) ▲	70 (1.8) ▲
Dubai, UAE	38 (2.2) ▲	64 (2.5) ▲
Florida, US	28 (2.4) ▲	65 (3.1) ▲
Abu Dhabi, UAE	21 (2.6) ▼	44 (2.7) ▼
Quebec, Canada	5 (0.8) ▼	63 (2.2) ▲
Buenos Aires, Argentina	1 (0.8) ▼	5 (1.2) ▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M04\_13 (M062115): Marble maze with intersections**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	64 (1.7)	▲
Chinese Taipei	63 (1.9)	▲
Hong Kong SAR	49 (2.4)	▲
Japan	44 (2.1)	▲
Singapore	41 (1.7)	▲
Turkey	40 (2.1)	▲
Ireland	36 (2.2)	▲
Hungary	34 (2.4)	▲
Norway (9)	34 (2.1)	▲
Bahrain	34 (1.9)	▲
England	33 (2.2)	
Slovenia	33 (2.4)	
Kazakhstan	31 (2.5)	
New Zealand	30 (1.9)	
Canada	30 (1.6)	
Australia	29 (1.4)	
Russian Federation	29 (2.6)	
<b>International Avg.</b>	<b>29 (0.3)</b>	
United States	28 (1.5)	
Sweden	28 (2.4)	
Israel	26 (1.6)	
Lithuania	26 (2.0)	
Qatar	26 (2.4)	
Georgia	25 (2.6)	
Malta	25 (1.7)	▼
Iran, Islamic Rep. of	24 (1.8)	▼
United Arab Emirates	23 (1.0)	▼
Italy	23 (2.0)	▼
Oman	22 (1.5)	▼
Egypt	22 (1.6)	▼
Kuwait	21 (2.0)	▼
Jordan	19 (1.5)	▼
South Africa (9)	19 (1.3)	▼
Morocco	19 (1.1)	▼
Lebanon	19 (2.0)	▼
Saudi Arabia	18 (1.8)	▼
Thailand	17 (1.6)	▼
Malaysia	17 (1.2)	▼
Botswana (9)	16 (1.2)	▼
Chile	15 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	29 (2.5)	
Ontario, Canada	29 (2.2)	
Norway (8)	28 (1.7)	
Florida, US	27 (3.0)	
Dubai, UAE	26 (1.6)	
Buenos Aires, Argentina	20 (1.9)	▼
Abu Dhabi, UAE	19 (1.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_01 (M042183): Find the number**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	91 (1.2)	▲
Hong Kong SAR	82 (2.0)	▲
Canada	80 (1.6)	▲
Malta	77 (1.7)	▲
England	76 (1.8)	▲
Ireland	74 (2.1)	▲
Norway (9)	73 (2.3)	▲
United States	72 (1.2)	▲
Slovenia	69 (2.1)	▲
Japan	69 (1.6)	▲
Australia	69 (1.6)	▲
Russian Federation	69 (2.0)	▲
Italy	68 (2.2)	▲
Hungary	67 (1.8)	▲
Kazakhstan	66 (2.4)	▲
United Arab Emirates	65 (1.2)	▲
Chinese Taipei	65 (1.3)	▲
Lithuania	65 (2.2)	▲
Qatar	65 (2.0)	▲
Sweden	64 (2.4)	
Malaysia	64 (1.7)	
Lebanon	62 (2.7)	
Botswana (9)	62 (2.1)	
Bahrain	61 (1.7)	
International Avg.	61 (0.3)	
New Zealand	60 (1.5)	
Israel	60 (1.8)	
Korea, Rep. of	57 (1.8)	▼
Georgia	53 (3.0)	▼
Egypt	52 (2.0)	▼
Morocco	46 (1.6)	▼
Kuwait	46 (1.9)	▼
South Africa (9)	45 (2.0)	▼
Iran, Islamic Rep. of	44 (2.4)	▼
Oman	44 (1.8)	▼
Turkey	41 (2.0)	▼
Thailand	41 (2.0)	▼
Jordan	36 (2.0)	▼
Saudi Arabia	35 (2.4)	▼
Chile	34 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.6)	▲
Ontario, Canada	78 (2.1)	▲
Florida, US	76 (2.5)	▲
Dubai, UAE	71 (2.4)	▲
Norway (8)	68 (1.9)	▲
Abu Dhabi, UAE	65 (2.3)	▲
Buenos Aires, Argentina	38 (3.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_02 (M042060): Fraction by which price reduced by  
Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	90 (1.1)	▲
Ireland	85 (2.1)	▲
Korea, Rep. of	83 (1.4)	▲
Hong Kong SAR	83 (1.9)	▲
Norway (9)	81 (1.9)	▲
Sweden	77 (2.1)	▲
Chinese Taipei	74 (1.5)	▲
Canada	73 (1.5)	▲
United States	73 (1.4)	▲
Australia	72 (1.8)	▲
Israel	72 (1.6)	▲
England	71 (2.0)	▲
Russian Federation	70 (2.4)	▲
Japan	68 (1.7)	▲
New Zealand	65 (1.9)	▲
Malta	64 (2.0)	▲
Malaysia	64 (1.8)	▲
Lithuania	63 (2.3)	▲
Bahrain	62 (1.8)	▲
Kazakhstan	62 (2.8)	
Slovenia	60 (2.6)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
United Arab Emirates	57 (1.2)	
Georgia	52 (2.6)	▼
Hungary	52 (2.0)	▼
Iran, Islamic Rep. of	52 (2.2)	▼
Italy	50 (2.7)	▼
Turkey	48 (2.3)	▼
Egypt	47 (2.1)	▼
Botswana (9)	47 (2.0)	▼
Qatar	43 (2.2)	▼
Kuwait	43 (2.5)	▼
Thailand	34 (1.8)	▼
Oman	33 (1.8)	▼
South Africa (9)	31 (1.9)	▼
Lebanon	31 (2.5)	▼
Jordan	31 (1.9)	▼
Saudi Arabia	29 (2.8)	▼
Chile	29 (1.9)	▼
Morocco	26 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	80 (3.2)	▲
Norway (8)	74 (2.0)	▲
Ontario, Canada	69 (1.7)	▲
Dubai, UAE	66 (1.8)	▲
Florida, US	62 (3.7)	
Abu Dhabi, UAE	50 (2.0)	▼
Buenos Aires, Argentina	30 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_03 (M042019): Approximate the sum**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	84 (1.2)	▲
Hong Kong SAR	76 (2.0)	▲
Ireland	74 (2.2)	▲
England	73 (1.9)	▲
Malta	70 (1.4)	▲
Norway (9)	70 (2.0)	▲
Hungary	68 (2.0)	▲
Australia	64 (1.8)	▲
New Zealand	61 (1.6)	▲
Canada	57 (1.7)	▲
Sweden	55 (2.6)	▲
Korea, Rep. of	51 (2.4)	▲
United States	50 (1.6)	▲
Israel	46 (2.1)	▲
Turkey	45 (2.2)	▲
Japan	44 (2.0)	▲
United Arab Emirates	43 (1.3)	
Georgia	42 (2.5)	
Slovenia	41 (2.3)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Malaysia	40 (1.9)	
Botswana (9)	38 (1.8)	
Lithuania	37 (2.6)	
Qatar	37 (2.5)	
Kazakhstan	37 (3.0)	
Russian Federation	36 (2.3)	
Thailand	28 (2.1)	▼
Bahrain	27 (1.7)	▼
Italy	27 (2.2)	▼
Chinese Taipei	23 (1.6)	▼
Kuwait	22 (1.9)	▼
South Africa (9)	17 (1.5)	▼
Chile	15 (1.6)	▼
Iran, Islamic Rep. of	14 (1.3)	▼
Saudi Arabia	12 (1.5)	▼
Lebanon	12 (2.0)	▼
Jordan	12 (1.0)	▼
Oman	11 (1.0)	▼
Egypt	9 (1.2)	▼
Morocco	1 (0.3)	▼
<b>Benchmarking Participants</b>		
Norway (8)	70 (2.1)	▲
Ontario, Canada	64 (1.9)	▲
Dubai, UAE	56 (1.6)	▲
Florida, US	49 (3.9)	▲
Quebec, Canada	46 (3.0)	▲
Abu Dhabi, UAE	38 (2.2)	
Buenos Aires, Argentina	15 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_04 (M042023): Which is larger 7/12 or 2/3**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	83 (1.5)	▲
Singapore	78 (1.6)	▲
Chinese Taipei	76 (1.8)	▲
Hong Kong SAR	75 (2.1)	▲
Japan	60 (2.1)	▲
Canada	60 (1.7)	▲
Ireland	56 (2.0)	▲
Malta	54 (1.5)	▲
Russian Federation	49 (2.6)	▲
United States	46 (1.6)	▲
Slovenia	44 (2.2)	▲
United Arab Emirates	42 (1.3)	▲
Kazakhstan	42 (2.8)	
England	41 (2.5)	
Israel	38 (2.0)	
Hungary	38 (2.5)	
Qatar	38 (2.3)	
Malaysia	37 (2.1)	
International Avg.	37 (0.3)	
Lebanon	36 (2.3)	
Norway (9)	34 (1.9)	
Iran, Islamic Rep. of	34 (2.2)	
Bahrain	34 (2.0)	
New Zealand	32 (2.1)	▼
Lithuania	32 (2.5)	▼
Sweden	31 (2.3)	▼
Australia	31 (1.9)	▼
Turkey	29 (2.0)	▼
Jordan	25 (1.8)	▼
Kuwait	25 (2.2)	▼
Morocco	25 (1.4)	▼
Oman	23 (1.7)	▼
Georgia	21 (2.1)	▼
Thailand	19 (1.9)	▼
Italy	16 (1.9)	▼
Egypt	14 (1.4)	▼
Saudi Arabia	14 (1.6)	▼
Botswana (9)	11 (1.3)	▼
Chile	7 (1.0)	▼
South Africa (9)	7 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	71 (3.0)	▲
Ontario, Canada	56 (2.2)	▲
Dubai, UAE	54 (2.4)	▲
Florida, US	38 (3.5)	
Abu Dhabi, UAE	32 (2.4)	▼
Norway (8)	30 (2.0)	▼
Buenos Aires, Argentina	12 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_05 (M042197): Rule to get terms in the pattern**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	58 (1.9)	▲
Hong Kong SAR	48 (2.3)	▲
Japan	48 (2.3)	▲
United States	44 (1.7)	▲
Chinese Taipei	44 (2.0)	▲
Singapore	43 (2.0)	▲
Hungary	39 (2.3)	▲
Kazakhstan	38 (2.7)	▲
Russian Federation	36 (2.6)	▲
Norway (9)	33 (1.9)	▲
Ireland	32 (2.1)	▲
United Arab Emirates	29 (1.3)	▲
Australia	29 (1.6)	▲
Israel	27 (1.8)	
Canada	27 (1.5)	
Lithuania	26 (2.1)	
<b>International Avg.</b>	<b>26 (0.3)</b>	
Slovenia	25 (1.9)	
New Zealand	25 (1.4)	
Bahrain	24 (1.8)	
Sweden	23 (2.4)	
Turkey	22 (1.4)	▼
Malta	21 (1.5)	▼
Jordan	21 (1.8)	▼
Iran, Islamic Rep. of	21 (1.9)	▼
England	21 (1.7)	▼
Lebanon	20 (1.8)	▼
Egypt	19 (1.6)	▼
Georgia	19 (2.2)	▼
Thailand	19 (1.6)	▼
Oman	17 (1.4)	▼
Italy	17 (2.1)	▼
Qatar	16 (1.5)	▼
Kuwait	13 (2.2)	▼
Saudi Arabia	11 (1.6)	▼
Malaysia	10 (1.0)	▼
Morocco	8 (0.7)	▼
South Africa (9)	8 (1.0)	▼
Chile	7 (1.1)	▼
Botswana (9)	5 (0.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	42 (3.5)	▲
Dubai, UAE	38 (1.8)	▲
Ontario, Canada	32 (1.8)	▲
Norway (8)	25 (2.0)	
Abu Dhabi, UAE	24 (2.1)	
Quebec, Canada	16 (2.1)	▼
Buenos Aires, Argentina	3 (0.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_06 (M042234): What is the value of x**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	88 (1.2)	▲
Hong Kong SAR	86 (1.9)	▲
Korea, Rep. of	77 (1.7)	▲
Russian Federation	73 (2.2)	▲
United States	73 (1.3)	▲
Chinese Taipei	72 (1.7)	▲
Kazakhstan	69 (2.4)	▲
Israel	67 (1.7)	▲
Japan	65 (2.1)	▲
Canada	64 (1.7)	▲
Bahrain	63 (2.3)	▲
England	58 (2.1)	▲
Slovenia	58 (2.2)	▲
United Arab Emirates	56 (1.3)	▲
Malta	56 (1.9)	▲
Australia	56 (1.9)	▲
Ireland	55 (2.1)	
Georgia	55 (2.9)	
Lithuania	54 (2.6)	
Sweden	54 (2.5)	
Hungary	53 (2.5)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Norway (9)	50 (2.6)	
New Zealand	50 (2.3)	
Malaysia	49 (2.0)	
Qatar	45 (2.0)	▼
Thailand	41 (2.0)	▼
Iran, Islamic Rep. of	40 (2.0)	▼
Turkey	36 (1.9)	▼
Jordan	36 (2.1)	▼
Oman	36 (1.7)	▼
Egypt	35 (2.0)	▼
Lebanon	34 (2.5)	▼
Kuwait	33 (2.0)	▼
Saudi Arabia	31 (2.2)	▼
Chile	30 (2.2)	▼
Italy	30 (2.1)	▼
Botswana (9)	29 (1.8)	▼
South Africa (9)	29 (1.7)	▼
Morocco	26 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	70 (2.2)	▲
Dubai, UAE	68 (1.7)	▲
Florida, US	65 (4.0)	▲
Ontario, Canada	62 (2.2)	▲
Abu Dhabi, UAE	50 (2.3)	
Norway (8)	37 (2.5)	▼
Buenos Aires, Argentina	30 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_07 (M042066): Missing term in the sequence**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	71 (2.1)	▲
Chinese Taipei	71 (1.8)	▲
Hong Kong SAR	68 (1.9)	▲
Turkey	67 (1.8)	▲
Japan	63 (2.0)	▲
Singapore	62 (1.8)	▲
Kazakhstan	62 (2.4)	▲
Hungary	57 (2.2)	▲
Ireland	56 (2.3)	▲
Russian Federation	55 (2.2)	▲
Norway (9)	55 (2.3)	▲
Lithuania	54 (2.9)	▲
Australia	53 (2.3)	▲
Sweden	51 (1.9)	▲
England	50 (2.4)	
New Zealand	49 (1.8)	▲
Israel	49 (2.1)	
Canada	48 (1.8)	
Slovenia	48 (2.3)	
Italy	47 (2.3)	
United States	47 (1.6)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
United Arab Emirates	44 (1.4)	
Egypt	44 (2.1)	
Malaysia	44 (1.6)	
Georgia	43 (3.1)	
Malta	40 (1.8)	▼
Thailand	38 (2.2)	▼
Botswana (9)	38 (1.7)	▼
Qatar	33 (2.2)	▼
Bahrain	33 (2.5)	▼
Chile	30 (2.1)	▼
South Africa (9)	30 (1.7)	▼
Iran, Islamic Rep. of	30 (1.8)	▼
Oman	29 (1.4)	▼
Jordan	26 (1.8)	▼
Lebanon	26 (2.4)	▼
Kuwait	21 (1.9)	▼
Morocco	21 (1.2)	▼
Saudi Arabia	21 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	54 (2.4)	▲
Ontario, Canada	51 (2.2)	▲
Norway (8)	49 (2.2)	
Quebec, Canada	43 (3.2)	
Florida, US	42 (3.0)	
Abu Dhabi, UAE	39 (2.2)	▼
Buenos Aires, Argentina	20 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_08 (M042243): Which equation is satisfied**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Hong Kong SAR	84 (2.0)	▲
Korea, Rep. of	82 (1.5)	▲
Chinese Taipei	80 (1.5)	▲
Singapore	77 (1.6)	▲
Japan	68 (2.0)	▲
Russian Federation	63 (2.8)	▲
Kazakhstan	57 (2.9)	▲
United States	57 (1.6)	▲
Canada	55 (1.7)	▲
Sweden	54 (3.2)	▲
England	54 (2.4)	▲
New Zealand	53 (1.9)	▲
Ireland	52 (2.3)	▲
Bahrain	52 (2.1)	▲
Australia	51 (1.7)	▲
Israel	50 (2.4)	▲
Slovenia	50 (2.5)	▲
Georgia	49 (2.8)	
Hungary	47 (2.4)	
United Arab Emirates	47 (1.2)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Lithuania	43 (2.5)	
Malta	43 (2.2)	
Norway (9)	40 (2.3)	▼
Turkey	40 (2.1)	▼
Iran, Islamic Rep. of	37 (2.3)	▼
Jordan	36 (1.9)	▼
Malaysia	35 (1.9)	▼
Qatar	34 (2.4)	▼
Oman	33 (1.9)	▼
Italy	31 (2.4)	▼
Lebanon	30 (2.7)	▼
Egypt	26 (1.9)	▼
Thailand	24 (1.9)	▼
Kuwait	24 (2.4)	▼
Chile	18 (1.7)	▼
South Africa (9)	18 (1.3)	▼
Morocco	17 (1.1)	▼
Saudi Arabia	17 (2.2)	▼
Botswana (9)	17 (1.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	60 (2.4)	▲
Ontario, Canada	58 (2.1)	▲
Quebec, Canada	49 (3.4)	
Florida, US	46 (3.7)	
Abu Dhabi, UAE	40 (2.1)	▼
Norway (8)	27 (2.3)	▼
Buenos Aires, Argentina	11 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_09 (M042248): What is the value of n**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	76 (1.5)	▲
Hong Kong SAR	69 (2.2)	▲
Korea, Rep. of	68 (1.6)	▲
Chinese Taipei	65 (1.8)	▲
Kazakhstan	61 (2.4)	▲
Russian Federation	46 (3.1)	▲
United States	42 (1.5)	▲
Japan	41 (2.0)	▲
Canada	39 (1.8)	▲
Israel	39 (1.9)	▲
England	36 (2.4)	▲
United Arab Emirates	33 (1.3)	▲
Ireland	33 (1.9)	
New Zealand	31 (2.1)	
Australia	31 (1.6)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Slovenia	29 (2.3)	
Turkey	29 (2.2)	
Sweden	28 (1.9)	
Lebanon	28 (2.3)	
Qatar	27 (1.5)	
Malta	25 (1.8)	▼
Georgia	25 (2.3)	▼
Hungary	24 (2.3)	▼
Norway (9)	23 (1.8)	▼
Iran, Islamic Rep. of	22 (1.7)	▼
Malaysia	21 (1.3)	▼
Oman	21 (1.3)	▼
Bahrain	20 (1.7)	▼
Lithuania	20 (2.1)	▼
Egypt	19 (1.7)	▼
Italy	17 (2.0)	▼
Thailand	13 (1.9)	▼
Jordan	12 (1.2)	▼
Saudi Arabia	12 (1.7)	▼
Kuwait	12 (1.7)	▼
Morocco	9 (0.9)	▼
Chile	6 (1.0)	▼
Botswana (9)	6 (1.0)	▼
South Africa (9)	5 (0.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	47 (2.8)	▲
Dubai, UAE	46 (2.3)	▲
Florida, US	40 (4.6)	▲
Ontario, Canada	36 (2.2)	▲
Abu Dhabi, UAE	26 (2.4)	
Norway (8)	13 (1.5)	▼
Buenos Aires, Argentina	7 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_10A (M042229A): Write an equation to find x**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	76 (1.7)	▲
Hong Kong SAR	75 (2.6)	▲
Chinese Taipei	73 (1.9)	▲
Singapore	70 (1.7)	▲
Russian Federation	60 (2.8)	▲
Kazakhstan	56 (3.0)	▲
Israel	53 (2.3)	▲
Japan	49 (2.1)	▲
Hungary	49 (2.5)	▲
Lithuania	47 (2.5)	▲
Georgia	40 (2.5)	▲
Malta	36 (1.7)	▲
Sweden	34 (2.8)	
United States	32 (1.8)	
Canada	30 (1.5)	
Ireland	29 (2.1)	
Lebanon	29 (2.8)	
<b>International Avg.</b>	<b>29 (0.3)</b>	
Iran, Islamic Rep. of	25 (2.1)	▼
Turkey	24 (2.0)	▼
Oman	21 (1.8)	▼
Qatar	20 (1.7)	▼
United Arab Emirates	18 (0.9)	▼
Norway (9)	17 (1.5)	▼
England	17 (1.8)	▼
Italy	16 (2.0)	▼
Egypt	16 (1.6)	▼
Malaysia	15 (1.5)	▼
Bahrain	14 (1.3)	▼
Morocco	13 (1.1)	▼
Thailand	13 (1.8)	▼
Australia	13 (1.2)	▼
Jordan	13 (1.5)	▼
Slovenia	12 (1.4)	▼
New Zealand	11 (1.3)	▼
Chile	11 (1.4)	▼
Botswana (9)	6 (1.0)	▼
Kuwait	6 (1.0)	▼
South Africa (9)	5 (1.0)	▼
Saudi Arabia	3 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	56 (3.6)	▲
Florida, US	29 (3.9)	
Dubai, UAE	28 (1.9)	
Buenos Aires, Argentina	24 (3.0)	
Ontario, Canada	19 (1.5)	▼
Abu Dhabi, UAE	13 (1.5)	▼
Norway (8)	6 (1.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_10B (M042229B): Length of longest side of triangle**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	75 (1.5)	▲
Singapore	75 (1.7)	▲
Chinese Taipei	69 (1.9)	▲
Hong Kong SAR	66 (2.5)	▲
Russian Federation	51 (2.8)	▲
Japan	49 (2.2)	▲
Israel	47 (2.2)	▲
Kazakhstan	46 (3.1)	▲
Hungary	41 (2.3)	▲
Canada	38 (1.6)	▲
Sweden	38 (2.2)	▲
Lithuania	34 (2.7)	▲
United States	33 (1.5)	▲
Malta	32 (1.6)	▲
Ireland	30 (2.1)	
England	30 (2.3)	
Georgia	30 (2.4)	
<b>International Avg.</b>	<b>28 (0.3)</b>	
Australia	27 (1.6)	
New Zealand	26 (1.7)	
United Arab Emirates	25 (0.9)	▼
Norway (9)	23 (1.8)	▼
Slovenia	23 (2.0)	▼
Turkey	21 (1.7)	▼
Qatar	19 (1.8)	▼
Iran, Islamic Rep. of	18 (1.9)	▼
Italy	17 (1.9)	▼
Lebanon	17 (2.1)	▼
Malaysia	15 (1.2)	▼
Bahrain	15 (1.4)	▼
Oman	14 (1.3)	▼
Egypt	12 (1.3)	▼
Thailand	11 (1.5)	▼
Jordan	9 (1.2)	▼
Chile	9 (1.0)	▼
Kuwait	7 (0.9)	▼
Morocco	5 (0.7)	▼
Saudi Arabia	4 (1.0)	▼
Botswana (9)	3 (0.6)	▼
South Africa (9)	3 (0.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	50 (3.6)	▲
Dubai, UAE	39 (1.9)	▲
Ontario, Canada	33 (2.1)	▲
Florida, US	30 (3.1)	
Abu Dhabi, UAE	18 (1.6)	▼
Norway (8)	15 (1.7)	▼
Buenos Aires, Argentina	12 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_10Z (M042229Z): Write an equation to find x (DERIVED)**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	69 (1.8) ▲	82 (1.4) ▲
Chinese Taipei	67 (2.0) ▲	74 (1.8) ▲
Singapore	65 (1.8) ▲	81 (1.6) ▲
Hong Kong SAR	62 (2.7) ▲	79 (2.3) ▲
Russian Federation	47 (2.6) ▲	64 (3.0) ▲
Israel	43 (2.2) ▲	56 (2.3) ▲
Kazakhstan	41 (3.2) ▲	61 (2.7) ▲
Japan	41 (2.2) ▲	58 (2.1) ▲
Hungary	38 (2.4) ▲	52 (2.5) ▲
Lithuania	32 (2.8) ▲	50 (2.4) ▲
Georgia	29 (2.3) ▲	41 (2.6) ▲
Sweden	27 (2.3) ▲	44 (2.6) ▲
Malta	26 (1.6) ▲	41 (1.6) ▲
United States	25 (1.5)	41 (1.8) ▲
Canada	24 (1.4)	45 (1.8) ▲
Ireland	23 (1.9)	36 (2.2)
<b>International Avg.</b>	<b>22 (0.3)</b>	<b>35 (0.3)</b>
Turkey	18 (1.8) ▼	27 (1.9) ▼
Iran, Islamic Rep. of	16 (1.7) ▼	26 (2.2) ▼
Qatar	15 (1.6) ▼	24 (2.0) ▼
England	15 (1.8) ▼	31 (2.4)
Lebanon	15 (1.9) ▼	32 (2.8)
United Arab Emirates	13 (0.7) ▼	30 (1.0) ▼
Norway (9)	13 (1.4) ▼	27 (1.9) ▼
Oman	11 (1.1) ▼	24 (1.9) ▼
Australia	11 (1.1) ▼	29 (1.7) ▼
Italy	10 (1.6) ▼	24 (2.2) ▼
Bahrain	10 (1.0) ▼	20 (1.6) ▼
Egypt	10 (1.4) ▼	18 (1.6) ▼
Malaysia	9 (1.0) ▼	20 (1.6) ▼
Slovenia	9 (1.2) ▼	26 (2.0) ▼
New Zealand	8 (1.1) ▼	28 (1.9) ▼
Thailand	8 (1.4) ▼	16 (1.9) ▼
Jordan	7 (1.1) ▼	15 (1.5) ▼
Chile	6 (1.1) ▼	14 (1.4) ▼
Morocco	4 (0.6) ▼	14 (1.1) ▼
Kuwait	4 (0.7) ▼	9 (1.0) ▼
South Africa (9)	2 (0.6) ▼	5 (1.0) ▼
Saudi Arabia	2 (0.7) ▼	5 (1.2) ▼
Botswana (9)	1 (0.3) ▼	8 (1.1) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	44 (3.7) ▲	62 (3.5) ▲
Dubai, UAE	23 (1.8)	44 (1.7) ▲
Florida, US	22 (3.2)	37 (3.6)
Ontario, Canada	15 (1.5) ▼	38 (2.0)
Buenos Aires, Argentina	11 (1.9) ▼	25 (3.0) ▼
Abu Dhabi, UAE	7 (1.4) ▼	23 (2.0) ▼
Norway (8)	5 (1.0) ▼	16 (1.9) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_11A (M042080A): What is a+b**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	76 (1.6)	▲
Chinese Taipei	73 (1.7)	▲
Hong Kong SAR	71 (2.5)	▲
Korea, Rep. of	68 (1.6)	▲
Japan	67 (2.1)	▲
Kazakhstan	59 (2.5)	▲
Russian Federation	56 (2.6)	▲
United States	46 (1.4)	▲
Hungary	44 (2.2)	▲
Ireland	44 (2.2)	▲
Lebanon	42 (2.3)	
United Arab Emirates	42 (1.4)	▲
Sweden	39 (2.8)	
England	38 (1.9)	
<b>International Avg.</b>	<b>38 (0.3)</b>	
Canada	38 (1.8)	
Malta	37 (1.7)	
Slovenia	36 (2.6)	
Bahrain	34 (2.0)	
New Zealand	34 (1.9)	
Qatar	34 (1.9)	▼
Turkey	33 (1.9)	▼
Israel	32 (2.0)	▼
Australia	31 (1.7)	▼
Georgia	31 (2.6)	▼
Saudi Arabia	31 (2.0)	▼
Chile	29 (2.2)	▼
Thailand	28 (1.9)	▼
Egypt	27 (2.1)	▼
Botswana (9)	27 (1.8)	▼
Norway (9)	27 (2.1)	▼
Italy	27 (1.9)	▼
Lithuania	27 (2.5)	▼
Oman	25 (1.5)	▼
Jordan	25 (1.8)	▼
Malaysia	24 (1.6)	▼
Iran, Islamic Rep. of	24 (1.7)	▼
Morocco	17 (1.1)	▼
Kuwait	16 (1.7)	▼
South Africa (9)	15 (1.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	51 (2.9)	▲
Florida, US	45 (3.2)	▲
Quebec, Canada	44 (3.1)	▲
Ontario, Canada	34 (1.9)	
Abu Dhabi, UAE	34 (2.0)	
Norway (8)	26 (1.7)	▼
Buenos Aires, Argentina	13 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_11B (M042080B): What is a-b  
Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	59 (1.8)	▲
Singapore	57 (1.9)	▲
Korea, Rep. of	51 (2.4)	▲
Japan	47 (2.1)	▲
Kazakhstan	45 (2.7)	▲
Hong Kong SAR	40 (2.7)	▲
Russian Federation	37 (2.6)	▲
Lebanon	25 (2.1)	▲
<b>International Avg.</b>	<b>15 (0.2)</b>	
United Arab Emirates	14 (0.9)	
Hungary	12 (1.6)	
Georgia	11 (1.9)	
Qatar	11 (1.2)	▼
United States	10 (1.2)	▼
Bahrain	9 (1.1)	▼
Egypt	9 (1.2)	▼
Jordan	8 (1.0)	▼
Slovenia	8 (1.3)	▼
England	7 (1.2)	▼
Italy	7 (1.1)	▼
Ireland	7 (1.1)	▼
Turkey	7 (1.1)	▼
Thailand	7 (1.3)	▼
Israel	7 (1.1)	▼
Iran, Islamic Rep. of	7 (1.0)	▼
Oman	6 (0.8)	▼
Sweden	6 (1.3)	▼
Malaysia	6 (0.7)	▼
Malta	6 (1.1)	▼
Norway (9)	6 (1.0)	▼
Canada	6 (0.8)	▼
Lithuania	6 (1.6)	▼
New Zealand	6 (1.0)	▼
Kuwait	5 (1.2)	▼
Australia	4 (0.8)	▼
Morocco	4 (0.6)	▼
Saudi Arabia	3 (0.8)	▼
Botswana (9)	3 (0.6)	▼
Chile	2 (0.6)	▼
South Africa (9)	1 (0.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	23 (1.4)	▲
Quebec, Canada	12 (1.9)	
Florida, US	9 (1.7)	▼
Abu Dhabi, UAE	8 (1.0)	▼
Ontario, Canada	3 (0.6)	▼
Norway (8)	1 (0.4)	▼
Buenos Aires, Argentina	1 (0.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_12 (M042120): Statement about Lines L and M**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	86 (1.1)	▲
Korea, Rep. of	86 (1.7)	▲
Slovenia	85 (1.6)	▲
Japan	81 (1.3)	▲
Chinese Taipei	79 (1.4)	▲
Russian Federation	78 (2.4)	▲
Hong Kong SAR	78 (2.0)	▲
Ireland	76 (1.9)	▲
Hungary	75 (2.2)	▲
United States	74 (1.3)	▲
Kazakhstan	73 (2.3)	▲
Italy	72 (2.5)	▲
Canada	72 (1.8)	▲
England	71 (2.2)	▲
Israel	71 (1.6)	▲
Bahrain	70 (1.9)	▲
Australia	69 (1.7)	▲
Lebanon	66 (2.3)	
Norway (9)	65 (2.2)	
Iran, Islamic Rep. of	65 (1.5)	
<b>International Avg.</b>	<b>64 (0.3)</b>	
Malta	63 (1.9)	
New Zealand	61 (1.9)	
United Arab Emirates	61 (1.2)	▼
Morocco	59 (1.5)	▼
Lithuania	57 (2.6)	▼
Malaysia	57 (2.0)	▼
Oman	56 (1.5)	▼
Chile	52 (2.6)	▼
Kuwait	52 (2.7)	▼
Turkey	52 (2.1)	▼
South Africa (9)	51 (1.9)	▼
Thailand	50 (2.4)	▼
Qatar	49 (1.7)	▼
Georgia	48 (2.8)	▼
Egypt	48 (1.8)	▼
Jordan	47 (2.3)	▼
Botswana (9)	47 (1.7)	▼
Sweden	44 (2.3)	▼
Saudi Arabia	36 (2.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	76 (2.3)	▲
Ontario, Canada	72 (2.1)	▲
Dubai, UAE	71 (1.7)	▲
Florida, US	62 (3.0)	
Norway (8)	61 (2.6)	
Abu Dhabi, UAE	54 (2.4)	▼
Buenos Aires, Argentina	40 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_13 (M042203): What is the value of x**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	94 (0.9)	▲
Singapore	94 (0.8)	▲
Japan	92 (1.2)	▲
Hong Kong SAR	88 (1.3)	▲
Chinese Taipei	84 (1.3)	▲
Lithuania	69 (2.2)	▲
Russian Federation	68 (2.3)	▲
Malta	63 (1.8)	▲
Canada	63 (1.6)	▲
Kazakhstan	62 (2.3)	▲
Ireland	62 (2.1)	▲
England	62 (2.4)	▲
Hungary	61 (2.2)	▲
Norway (9)	60 (2.3)	▲
Israel	59 (2.0)	▲
Slovenia	59 (2.6)	
Iran, Islamic Rep. of	57 (2.1)	
Bahrain	57 (2.3)	
Lebanon	57 (2.9)	
Italy	55 (2.8)	
<b>International Avg.</b>	<b>55 (0.3)</b>	
Turkey	54 (2.0)	
United States	54 (1.5)	
Georgia	54 (2.6)	
Australia	51 (1.7)	
New Zealand	51 (1.7)	▼
Malaysia	47 (2.0)	▼
Sweden	46 (2.7)	▼
United Arab Emirates	45 (1.3)	▼
Qatar	38 (2.2)	▼
Morocco	38 (1.6)	▼
Egypt	37 (1.8)	▼
Oman	37 (1.6)	▼
Thailand	36 (1.8)	▼
Jordan	35 (2.0)	▼
Botswana (9)	34 (1.9)	▼
Chile	31 (2.1)	▼
Kuwait	28 (2.2)	▼
South Africa (9)	25 (1.9)	▼
Saudi Arabia	23 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	76 (2.3)	▲
Ontario, Canada	59 (2.2)	▲
Dubai, UAE	57 (1.9)	
Norway (8)	54 (2.5)	
Abu Dhabi, UAE	41 (2.5)	▼
Florida, US	41 (2.8)	▼
Buenos Aires, Argentina	30 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_14 (M042264): Conditions for similar triangles**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Russian Federation	56 (2.6)	▲
Singapore	54 (1.6)	▲
Korea, Rep. of	53 (2.0)	▲
Hong Kong SAR	39 (2.4)	▲
Hungary	36 (2.4)	▲
Slovenia	36 (2.4)	▲
Ireland	35 (2.1)	▲
Turkey	34 (2.2)	▲
Israel	33 (1.9)	▲
England	29 (2.2)	▲
Malta	28 (1.8)	▲
Bahrain	28 (2.3)	▲
Canada	24 (1.5)	
Kazakhstan	23 (2.2)	
Chinese Taipei	23 (1.6)	
<b>International Avg.</b>	<b>22 (0.3)</b>	
Japan	21 (1.6)	
Australia	19 (1.6)	
United Arab Emirates	19 (1.0)	▼
Oman	19 (1.3)	▼
United States	18 (1.3)	▼
Sweden	18 (1.7)	▼
New Zealand	17 (1.2)	▼
Italy	16 (1.7)	▼
Lebanon	16 (1.6)	▼
Lithuania	16 (1.7)	▼
Georgia	15 (2.0)	▼
Qatar	14 (1.4)	▼
Egypt	13 (1.3)	▼
Malaysia	12 (1.1)	▼
Kuwait	11 (1.7)	▼
Norway (9)	10 (1.5)	▼
Iran, Islamic Rep. of	10 (1.1)	▼
Thailand	10 (1.2)	▼
Morocco	10 (0.9)	▼
Chile	8 (1.0)	▼
Botswana (9)	7 (1.0)	▼
South Africa (9)	6 (0.8)	▼
Jordan	5 (1.0)	▼
Saudi Arabia	4 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	29 (2.4)	▲
Dubai, UAE	27 (1.8)	▲
Ontario, Canada	23 (1.8)	
Abu Dhabi, UAE	17 (1.7)	▼
Florida, US	16 (2.4)	▼
Norway (8)	9 (1.3)	▼
Buenos Aires, Argentina	4 (0.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_15 (M042255): Representing data on a pie chart**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	84 (1.1)	▲
Korea, Rep. of	84 (1.6)	▲
Japan	81 (1.6)	▲
Hong Kong SAR	80 (1.8)	▲
Chinese Taipei	77 (1.5)	▲
Slovenia	73 (2.0)	▲
Lithuania	73 (2.0)	▲
Russian Federation	73 (2.5)	▲
Hungary	72 (1.8)	▲
Canada	72 (1.6)	▲
Norway (9)	71 (1.8)	▲
Malaysia	71 (1.5)	▲
Bahrain	70 (2.2)	▲
England	70 (2.0)	▲
Italy	69 (2.1)	▲
United States	69 (1.2)	▲
Australia	69 (1.5)	▲
Ireland	69 (2.1)	▲
Sweden	68 (1.9)	▲
New Zealand	66 (2.3)	
Malta	65 (1.8)	
Israel	64 (1.8)	
Kazakhstan	63 (2.0)	
Turkey	63 (1.9)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Thailand	61 (1.7)	
United Arab Emirates	59 (1.2)	▼
Chile	56 (2.4)	▼
Iran, Islamic Rep. of	53 (2.0)	▼
Qatar	52 (2.4)	▼
Georgia	50 (2.6)	▼
Botswana (9)	47 (1.8)	▼
Morocco	46 (1.3)	▼
Oman	46 (1.6)	▼
Kuwait	46 (2.3)	▼
Lebanon	45 (2.7)	▼
Jordan	44 (2.0)	▼
Egypt	43 (1.7)	▼
South Africa (9)	42 (1.5)	▼
Saudi Arabia	39 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	75 (3.1)	▲
Ontario, Canada	70 (1.6)	▲
Dubai, UAE	68 (1.8)	▲
Norway (8)	67 (2.0)	▲
Florida, US	66 (3.0)	
Abu Dhabi, UAE	56 (2.0)	▼
Buenos Aires, Argentina	43 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M05\_16 (M042224): Estimate the temperature**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	86 (1.5)	▲
Singapore	85 (1.1)	▲
Japan	84 (1.4)	▲
Korea, Rep. of	79 (1.5)	▲
Chinese Taipei	78 (1.5)	▲
Norway (9)	76 (2.0)	▲
Lithuania	72 (2.3)	▲
Slovenia	71 (2.1)	▲
Hungary	70 (2.1)	▲
England	70 (2.3)	▲
Russian Federation	69 (2.5)	▲
Sweden	66 (2.1)	▲
Italy	65 (2.1)	▲
New Zealand	65 (1.6)	▲
Ireland	65 (2.4)	▲
Australia	63 (1.9)	▲
United States	61 (1.4)	▲
Malta	60 (1.7)	▲
Canada	58 (1.9)	▲
Israel	57 (2.3)	▲
<b>International Avg.</b>	<b>52 (0.3)</b>	
Kazakhstan	48 (2.6)	
United Arab Emirates	47 (1.2)	▼
Bahrain	46 (1.8)	▼
Malaysia	45 (1.8)	▼
Qatar	45 (1.9)	▼
Turkey	41 (1.8)	▼
Lebanon	40 (2.2)	▼
Chile	37 (2.2)	▼
Georgia	32 (2.3)	▼
Botswana (9)	31 (1.5)	▼
Oman	29 (1.7)	▼
Kuwait	28 (2.0)	▼
Iran, Islamic Rep. of	27 (2.1)	▼
Thailand	25 (1.6)	▼
Morocco	22 (1.3)	▼
South Africa (9)	22 (1.8)	▼
Jordan	21 (1.4)	▼
Egypt	20 (1.6)	▼
Saudi Arabia	16 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	67 (3.2)	▲
Norway (8)	67 (2.0)	▲
Dubai, UAE	57 (2.0)	▲
Ontario, Canada	54 (2.0)	
Florida, US	53 (3.6)	
Abu Dhabi, UAE	44 (2.2)	▼
Buenos Aires, Argentina	26 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_01 (M052017): Equivalent numeric expression**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Hong Kong SAR	89 (1.4)	▲
Singapore	89 (1.3)	▲
Chinese Taipei	82 (1.5)	▲
Korea, Rep. of	81 (1.4)	▲
Japan	78 (1.5)	▲
Russian Federation	76 (2.7)	▲
Israel	72 (1.7)	▲
Kazakhstan	70 (2.5)	▲
Malaysia	70 (1.7)	▲
Ireland	67 (2.3)	▲
Lithuania	66 (2.3)	▲
Lebanon	65 (2.2)	▲
Canada	65 (2.0)	▲
United States	64 (1.4)	▲
Hungary	63 (2.2)	▲
Slovenia	62 (1.8)	▲
Bahrain	62 (2.2)	
Italy	61 (2.3)	
Malta	61 (1.8)	
United Arab Emirates	59 (1.5)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Australia	58 (1.7)	
Georgia	57 (2.6)	
England	54 (2.4)	
Morocco	51 (1.7)	▼
Oman	50 (1.7)	▼
New Zealand	49 (2.7)	▼
Qatar	49 (2.0)	▼
Iran, Islamic Rep. of	47 (2.7)	▼
Jordan	47 (2.1)	▼
Thailand	46 (2.3)	▼
South Africa (9)	45 (1.7)	▼
Turkey	45 (1.9)	▼
Sweden	44 (2.7)	▼
Norway (9)	44 (2.0)	▼
Egypt	44 (2.5)	▼
Kuwait	36 (2.6)	▼
Botswana (9)	36 (1.6)	▼
Saudi Arabia	34 (2.4)	▼
Chile	25 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	76 (2.8)	▲
Dubai, UAE	66 (2.1)	▲
Ontario, Canada	61 (2.5)	
Florida, US	56 (3.3)	
Abu Dhabi, UAE	52 (2.8)	▼
Buenos Aires, Argentina	40 (2.9)	▼
Norway (8)	37 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_02 (M052217): Who paid less for a hockey stick**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	76 (1.5)	▲
Korea, Rep. of	62 (1.9)	▲
Japan	56 (2.1)	▲
Ireland	55 (2.6)	▲
Canada	52 (2.1)	▲
Chinese Taipei	52 (2.0)	▲
Hong Kong SAR	47 (2.3)	▲
United States	46 (1.5)	▲
England	46 (2.4)	▲
Norway (9)	45 (2.1)	▲
Sweden	45 (2.4)	▲
Slovenia	44 (2.2)	▲
Hungary	41 (2.0)	▲
Israel	41 (2.0)	▲
New Zealand	40 (2.9)	▲
Australia	36 (1.9)	▲
Kazakhstan	35 (2.2)	▲
Malta	34 (1.8)	▲
Lithuania	31 (2.7)	
Russian Federation	30 (2.1)	
<b>International Avg.</b>	<b>29 (0.3)</b>	
Turkey	21 (1.8)	▼
Italy	19 (2.0)	▼
United Arab Emirates	19 (1.3)	▼
Qatar	18 (1.4)	▼
Malaysia	18 (1.2)	▼
Chile	17 (1.8)	▼
Iran, Islamic Rep. of	17 (1.8)	▼
Lebanon	14 (2.0)	▼
Bahrain	11 (1.9)	▼
Saudi Arabia	10 (1.3)	▼
Georgia	10 (1.3)	▼
Kuwait	9 (1.5)	▼
Egypt	9 (1.1)	▼
Thailand	8 (1.1)	▼
Oman	7 (0.8)	▼
South Africa (9)	6 (1.2)	▼
Botswana (9)	4 (0.7)	▼
Jordan	4 (0.7)	▼
Morocco	2 (0.4)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	53 (2.5)	▲
Quebec, Canada	53 (3.3)	▲
Florida, US	38 (4.2)	▲
Norway (8)	36 (1.9)	▲
Dubai, UAE	30 (1.9)	
Abu Dhabi, UAE	16 (2.1)	▼
Buenos Aires, Argentina	13 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_03 (M052021): Complete TV game show table**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	69 (1.9) ▲	84 (1.6) ▲
Japan	65 (1.8) ▲	81 (1.6) ▲
Chinese Taipei	65 (1.8) ▲	82 (1.3) ▲
Singapore	61 (1.8) ▲	79 (1.7) ▲
Hong Kong SAR	57 (2.5) ▲	78 (2.3) ▲
Hungary	36 (2.4) ▲	54 (2.4) ▲
Sweden	36 (2.1) ▲	51 (2.2) ▲
Norway (9)	36 (2.2) ▲	50 (2.4) ▲
Russian Federation	35 (2.6) ▲	48 (2.9) ▲
Slovenia	35 (2.4) ▲	49 (2.1) ▲
Ireland	34 (1.9) ▲	49 (2.4) ▲
Canada	34 (1.4) ▲	53 (1.6) ▲
Israel	33 (1.8) ▲	49 (1.7) ▲
United States	33 (1.5) ▲	50 (1.7) ▲
Kazakhstan	33 (2.5) ▲	42 (2.4) ▲
England	31 (2.2) ▲	46 (2.5) ▲
Lithuania	27 (2.3)	45 (2.5) ▲
Italy	27 (2.1)	43 (2.1) ▲
Australia	27 (2.0)	42 (2.0) ▲
<b>International Avg.</b>	<b>25 (0.3)</b>	<b>37 (0.3)</b>
New Zealand	24 (2.0)	39 (2.4)
Malta	20 (1.4) ▼	32 (1.8) ▼
Turkey	18 (1.5) ▼	34 (2.3)
United Arab Emirates	17 (1.1) ▼	26 (1.1) ▼
Georgia	16 (2.0) ▼	28 (2.4) ▼
Chile	16 (1.6) ▼	27 (1.8) ▼
Iran, Islamic Rep. of	14 (1.7) ▼	25 (2.1) ▼
Malaysia	14 (1.2) ▼	24 (1.7) ▼
Thailand	13 (1.8) ▼	26 (2.1) ▼
Qatar	12 (1.6) ▼	20 (1.9) ▼
Lebanon	10 (1.3) ▼	16 (1.8) ▼
Bahrain	7 (0.9) ▼	17 (1.3) ▼
Kuwait	4 (0.8) ▼	12 (1.5) ▼
South Africa (9)	4 (0.7) ▼	5 (0.9) ▼
Oman	3 (0.5) ▼	9 (0.9) ▼
Saudi Arabia	2 (0.6) ▼	6 (1.1) ▼
Morocco	2 (0.4) ▼	6 (0.6) ▼
Jordan	2 (0.5) ▼	6 (1.0) ▼
Botswana (9)	1 (0.3) ▼	2 (0.4) ▼
Egypt	1 (0.3) ▼	3 (0.7) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	40 (2.5) ▲	54 (3.1) ▲
Ontario, Canada	31 (2.1) ▲	52 (2.3) ▲
Norway (8)	28 (1.9)	39 (2.2)
Dubai, UAE	26 (1.9)	41 (1.7) ▲
Florida, US	22 (2.7)	37 (2.9)
Buenos Aires, Argentina	15 (2.2) ▼	30 (3.1) ▼
Abu Dhabi, UAE	11 (1.5) ▼	19 (1.8) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_04 (M052095): Complete the fraction sequence**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	83 (1.3)	▲
Korea, Rep. of	82 (1.6)	▲
Chinese Taipei	81 (1.6)	▲
Hong Kong SAR	77 (2.1)	▲
Japan	71 (1.6)	▲
Canada	56 (1.9)	▲
Kazakhstan	55 (2.7)	▲
Russian Federation	51 (2.8)	▲
Hungary	48 (2.4)	▲
Israel	47 (2.0)	▲
Ireland	47 (2.3)	▲
Lebanon	47 (2.9)	▲
United States	44 (1.8)	▲
Malta	43 (1.8)	▲
Slovenia	41 (2.1)	▲
England	38 (2.6)	
Lithuania	37 (2.5)	
International Avg.	36 (0.3)	
Italy	35 (2.6)	
Norway (9)	35 (2.2)	
Australia	34 (1.8)	
United Arab Emirates	33 (1.2)	▼
New Zealand	32 (2.5)	
Georgia	31 (2.3)	▼
Malaysia	31 (1.9)	▼
Sweden	30 (2.3)	▼
Turkey	29 (1.9)	▼
Iran, Islamic Rep. of	27 (2.3)	▼
Qatar	26 (1.8)	▼
Bahrain	18 (1.7)	▼
Thailand	16 (1.9)	▼
Egypt	16 (1.3)	▼
Morocco	14 (1.0)	▼
Oman	13 (1.3)	▼
Kuwait	11 (1.6)	▼
Chile	11 (1.2)	▼
Saudi Arabia	8 (1.2)	▼
South Africa (9)	7 (1.2)	▼
Jordan	7 (1.0)	▼
Botswana (9)	6 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	65 (2.7)	▲
Ontario, Canada	53 (2.2)	▲
Dubai, UAE	48 (1.7)	▲
Florida, US	38 (3.6)	
Norway (8)	28 (2.3)	▼
Abu Dhabi, UAE	25 (2.3)	▼
Buenos Aires, Argentina	15 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_05 (M052094): Who spent more for shoes**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	58 (1.9)	▲
Singapore	54 (2.0)	▲
Chinese Taipei	50 (2.1)	▲
Korea, Rep. of	48 (2.1)	▲
Norway (9)	40 (2.0)	▲
Hong Kong SAR	39 (2.5)	▲
England	33 (1.8)	▲
Canada	32 (1.7)	▲
Ireland	32 (2.1)	▲
Slovenia	30 (2.0)	▲
Hungary	27 (1.9)	▲
Israel	27 (1.8)	▲
Kazakhstan	26 (1.8)	▲
New Zealand	24 (1.4)	▲
Australia	24 (1.5)	▲
Sweden	23 (2.2)	
Malta	23 (1.7)	
United States	22 (1.3)	
Russian Federation	21 (1.6)	
<b>International Avg.</b>	<b>20 (0.2)</b>	
Turkey	20 (1.8)	
Italy	16 (1.3)	▼
Lithuania	15 (1.7)	▼
Georgia	14 (1.9)	▼
Lebanon	10 (1.3)	▼
United Arab Emirates	10 (0.8)	▼
Chile	9 (1.1)	▼
Qatar	8 (1.0)	▼
Malaysia	7 (0.9)	▼
Bahrain	7 (0.9)	▼
Iran, Islamic Rep. of	5 (1.2)	▼
Kuwait	5 (0.9)	▼
Egypt	4 (0.8)	▼
Thailand	4 (0.9)	▼
South Africa (9)	4 (0.8)	▼
Oman	4 (0.5)	▼
Saudi Arabia	4 (1.0)	▼
Jordan	3 (0.7)	▼
Botswana (9)	3 (0.5)	▼
Morocco	2 (0.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	35 (2.3)	▲
Norway (8)	34 (2.4)	▲
Ontario, Canada	31 (1.9)	▲
Florida, US	16 (2.3)	
Dubai, UAE	14 (1.1)	▼
Abu Dhabi, UAE	9 (1.5)	▼
Buenos Aires, Argentina	5 (1.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_06 (M052131): Step in solving the equation**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	83 (1.4)	▲
Japan	83 (1.5)	▲
Singapore	79 (1.6)	▲
Chinese Taipei	76 (1.6)	▲
Hong Kong SAR	70 (2.0)	▲
Lebanon	65 (2.6)	▲
Russian Federation	64 (2.6)	▲
Kazakhstan	61 (2.3)	▲
Israel	55 (1.9)	▲
Italy	53 (2.8)	▲
Georgia	50 (2.9)	▲
Iran, Islamic Rep. of	49 (2.0)	▲
Malta	49 (2.2)	▲
Ireland	48 (2.5)	
Lithuania	45 (2.4)	
Bahrain	45 (1.7)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
United States	41 (1.5)	
Turkey	41 (2.5)	
Morocco	40 (1.4)	▼
United Arab Emirates	39 (1.2)	▼
Jordan	37 (1.6)	▼
Hungary	35 (2.4)	▼
Malaysia	34 (1.7)	▼
Qatar	33 (1.7)	▼
Oman	31 (1.4)	▼
Norway (9)	31 (2.1)	▼
Egypt	31 (1.8)	▼
Thailand	30 (2.0)	▼
South Africa (9)	30 (1.7)	▼
England	30 (2.1)	▼
Australia	29 (1.8)	▼
Saudi Arabia	29 (2.2)	▼
Kuwait	28 (1.9)	▼
Chile	28 (1.8)	▼
New Zealand	28 (2.3)	▼
Canada	27 (1.6)	▼
Slovenia	27 (2.2)	▼
Sweden	26 (2.5)	▼
Botswana (9)	24 (1.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	48 (1.8)	▲
Florida, US	43 (3.1)	
Quebec, Canada	34 (2.7)	▼
Abu Dhabi, UAE	33 (2.7)	▼
Ontario, Canada	25 (2.0)	▼
Norway (8)	22 (1.9)	▼
Buenos Aires, Argentina	22 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_07 (M052090): Set up system of equations**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	74 (1.6)	▲
Korea, Rep. of	69 (1.8)	▲
Hong Kong SAR	67 (2.1)	▲
Chinese Taipei	65 (1.6)	▲
Japan	63 (1.7)	▲
Hungary	54 (2.5)	▲
Israel	52 (1.9)	▲
Russian Federation	51 (3.0)	▲
Kazakhstan	49 (2.6)	▲
Ireland	47 (2.1)	
Malta	46 (1.7)	▲
Slovenia	46 (2.6)	
Bahrain	44 (1.9)	
United States	44 (1.5)	
Lithuania	43 (2.5)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Italy	42 (2.4)	
Australia	42 (1.8)	
Canada	42 (1.6)	
Malaysia	41 (1.5)	
United Arab Emirates	41 (1.3)	
Turkey	41 (2.3)	
Norway (9)	39 (2.5)	
England	39 (2.3)	
New Zealand	39 (2.0)	▼
Qatar	38 (2.1)	▼
Georgia	37 (2.5)	▼
Iran, Islamic Rep. of	35 (1.9)	▼
Lebanon	33 (2.2)	▼
Thailand	32 (2.0)	▼
Egypt	31 (1.6)	▼
Oman	30 (1.7)	▼
South Africa (9)	28 (1.4)	▼
Botswana (9)	28 (1.7)	▼
Chile	27 (1.8)	▼
Kuwait	26 (2.1)	▼
Saudi Arabia	25 (1.9)	▼
Jordan	25 (1.7)	▼
Morocco	- -	
Sweden	- -	
<b>Benchmarking Participants</b>		
Quebec, Canada	53 (2.4)	▲
Dubai, UAE	48 (1.9)	▲
Florida, US	41 (2.4)	
Abu Dhabi, UAE	37 (2.4)	▼
Ontario, Canada	36 (2.1)	▼
Norway (8)	29 (1.9)	▼
Buenos Aires, Argentina	23 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A dash (-) indicates comparable data not available

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_08A (M052121A): Area of the 5th square**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Japan	84 (1.6)	▲
Chinese Taipei	84 (1.5)	▲
Singapore	82 (1.2)	▲
Korea, Rep. of	79 (1.6)	▲
Hong Kong SAR	78 (2.0)	▲
Russian Federation	66 (3.1)	▲
Slovenia	64 (2.3)	▲
Canada	61 (1.4)	▲
Kazakhstan	61 (2.6)	▲
Norway (9)	60 (2.3)	▲
Italy	57 (2.4)	▲
Hungary	56 (2.3)	▲
Lithuania	55 (2.5)	▲
Sweden	52 (2.5)	
Malaysia	52 (2.1)	
Israel	51 (1.9)	
England	51 (2.2)	
Ireland	51 (1.9)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
United States	48 (1.7)	
Turkey	47 (2.6)	
Malta	47 (1.8)	
United Arab Emirates	46 (1.5)	
Bahrain	45 (1.9)	▼
Australia	44 (2.0)	▼
Iran, Islamic Rep. of	44 (2.2)	▼
New Zealand	42 (2.6)	▼
Lebanon	39 (3.0)	▼
Oman	37 (1.8)	▼
Georgia	36 (2.8)	▼
Egypt	35 (2.0)	▼
Qatar	35 (2.1)	▼
Chile	35 (2.1)	▼
Botswana (9)	29 (2.1)	▼
Morocco	27 (1.4)	▼
Kuwait	24 (2.1)	▼
Jordan	23 (1.6)	▼
Saudi Arabia	23 (2.0)	▼
Thailand	23 (1.8)	▼
South Africa (9)	18 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	68 (2.7)	▲
Ontario, Canada	58 (1.8)	▲
Dubai, UAE	56 (3.0)	▲
Florida, US	48 (2.7)	
Norway (8)	46 (2.5)	
Abu Dhabi, UAE	42 (2.3)	▼
Buenos Aires, Argentina	17 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_08B (M052121B): Area of the nth square**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	52 (2.0)	⬆
Chinese Taipei	51 (2.0)	⬆
Korea, Rep. of	38 (2.1)	⬆
Hong Kong SAR	37 (2.2)	⬆
Japan	30 (1.8)	⬆
Kazakhstan	23 (2.5)	⬆
Russian Federation	12 (2.2)	
Israel	11 (1.2)	
Hungary	10 (1.2)	
International Avg.	10 (0.2)	
England	9 (1.3)	
United Arab Emirates	8 (0.9)	⬇
Canada	6 (0.9)	⬇
Turkey	6 (1.2)	⬇
New Zealand	5 (1.2)	⬇
Iran, Islamic Rep. of	5 (1.0)	⬇
Slovenia	5 (0.9)	⬇
United States	5 (0.8)	⬇
Sweden	5 (0.9)	⬇
Malaysia	5 (0.5)	⬇
Malta	5 (0.9)	⬇
Australia	4 (0.7)	⬇
Lithuania	4 (0.7)	⬇
Kuwait	4 (1.0)	⬇
Thailand	4 (0.9)	⬇
Qatar	3 (0.5)	⬇
Lebanon	3 (0.8)	⬇
Georgia	3 (1.2)	⬇
Oman	2 (0.5)	⬇
Bahrain	2 (0.7)	⬇
Ireland	2 (0.6)	⬇
Norway (9)	2 (0.6)	⬇
Egypt	2 (0.6)	⬇
Italy	2 (0.6)	⬇
Saudi Arabia	2 (0.7)	⬇
Chile	1 (0.4)	⬇
Jordan	1 (0.3)	⬇
Morocco	1 (0.2)	⬇
South Africa (9)	1 (0.3)	⬇
Botswana (9)	0 (0.0)	⬇
<b>Benchmarking Participants</b>		
Dubai, UAE	11 (1.4)	
Ontario, Canada	7 (1.2)	
Quebec, Canada	6 (1.4)	⬇
Abu Dhabi, UAE	4 (0.9)	⬇
Florida, US	3 (1.1)	⬇
Buenos Aires, Argentina	1 (0.4)	⬇
Norway (8)	0 (0.2)	⬇

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ⬆ Percent significantly higher than international average  
 ⬇ Percent significantly lower than international average  
 ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_09 (M052042): Length of the side of the triangle**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	83 (1.4)	▲
Chinese Taipei	79 (1.7)	▲
Hong Kong SAR	73 (1.8)	▲
Italy	65 (2.1)	▲
Kazakhstan	55 (2.9)	▲
Turkey	55 (2.1)	▲
Russian Federation	54 (3.3)	▲
Korea, Rep. of	47 (2.3)	▲
Hungary	47 (2.3)	▲
United States	46 (1.7)	▲
Lebanon	44 (2.2)	▲
Malta	39 (1.9)	▲
Israel	39 (2.2)	
Iran, Islamic Rep. of	38 (2.2)	
Georgia	38 (2.6)	
Lithuania	37 (2.5)	
Norway (9)	36 (2.1)	
<b>International Avg.</b>	<b>36 (0.3)</b>	
England	35 (2.2)	
United Arab Emirates	33 (1.5)	
Japan	33 (2.4)	
Canada	32 (2.0)	▼
Australia	30 (2.2)	▼
Slovenia	29 (2.3)	▼
Egypt	29 (2.0)	▼
Sweden	28 (2.4)	▼
Ireland	28 (2.0)	▼
Malaysia	26 (1.8)	▼
New Zealand	25 (1.8)	▼
Bahrain	23 (1.5)	▼
Chile	23 (1.9)	▼
Thailand	21 (1.9)	▼
Qatar	21 (1.9)	▼
Jordan	20 (1.6)	▼
South Africa (9)	19 (1.3)	▼
Morocco	18 (1.2)	▼
Oman	14 (1.1)	▼
Kuwait	14 (2.0)	▼
Saudi Arabia	13 (1.7)	▼
Botswana (9)	5 (0.8)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	44 (2.0)	▲
Florida, US	41 (2.9)	
Ontario, Canada	38 (2.5)	
Norway (8)	28 (1.9)	▼
Abu Dhabi, UAE	28 (2.6)	▼
Buenos Aires, Argentina	18 (2.9)	▼
Quebec, Canada	15 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_10 (M052047): Value of angle y in a triangle**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	90 (1.0)	▲
Korea, Rep. of	87 (1.3)	▲
Hong Kong SAR	87 (1.5)	▲
Japan	81 (1.6)	▲
Chinese Taipei	80 (1.5)	▲
Russian Federation	60 (2.4)	▲
Malta	58 (2.0)	▲
Kazakhstan	57 (3.0)	▲
Lebanon	56 (2.7)	▲
Hungary	52 (2.2)	▲
Slovenia	50 (2.3)	▲
Ireland	48 (2.4)	▲
England	46 (2.3)	▲
Israel	46 (2.2)	▲
Lithuania	45 (2.7)	
Canada	45 (1.9)	
Iran, Islamic Rep. of	41 (2.1)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
Turkey	41 (2.6)	
United Arab Emirates	38 (1.3)	▼
Georgia	37 (2.8)	
Egypt	36 (2.3)	▼
Australia	36 (1.7)	▼
Malaysia	36 (1.9)	▼
Italy	35 (2.4)	▼
New Zealand	33 (2.2)	▼
United States	31 (1.5)	▼
Qatar	30 (1.6)	▼
Oman	25 (1.7)	▼
Norway (9)	23 (1.8)	▼
Jordan	22 (1.8)	▼
Kuwait	21 (2.2)	▼
Thailand	20 (1.8)	▼
Sweden	19 (2.0)	▼
South Africa (9)	19 (1.8)	▼
Chile	19 (2.1)	▼
Bahrain	17 (1.7)	▼
Botswana (9)	16 (1.5)	▼
Morocco	16 (1.1)	▼
Saudi Arabia	7 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	59 (3.4)	▲
Dubai, UAE	50 (2.0)	▲
Ontario, Canada	41 (2.4)	
Abu Dhabi, UAE	31 (2.4)	▼
Florida, US	25 (3.3)	▼
Norway (8)	21 (1.7)	▼
Buenos Aires, Argentina	15 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_11 (M052044): Point equidistant from P and Q**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	70 (1.5)	▲
Slovenia	65 (2.0)	▲
Kazakhstan	65 (2.2)	▲
Japan	64 (1.9)	▲
Hungary	64 (2.3)	▲
Lithuania	63 (2.0)	▲
Russian Federation	61 (2.6)	▲
Korea, Rep. of	60 (1.7)	▲
Singapore	57 (1.8)	▲
Italy	57 (2.5)	▲
Hong Kong SAR	55 (2.5)	▲
England	54 (2.7)	
New Zealand	54 (1.9)	▲
Norway (9)	53 (2.2)	
Australia	51 (1.7)	
Canada	51 (1.7)	
<b>International Avg.</b>	<b>49 (0.3)</b>	
South Africa (9)	49 (1.6)	
United States	49 (1.7)	
Bahrain	48 (2.4)	
Morocco	48 (1.5)	
Turkey	48 (1.9)	
Georgia	46 (2.7)	
Israel	45 (2.0)	
Ireland	45 (1.8)	▼
Saudi Arabia	44 (2.3)	▼
Botswana (9)	44 (2.0)	▼
Malaysia	43 (1.9)	▼
Jordan	43 (1.8)	▼
Qatar	42 (2.6)	▼
Iran, Islamic Rep. of	41 (2.3)	▼
Chile	41 (2.2)	▼
United Arab Emirates	40 (1.4)	▼
Malta	40 (2.0)	▼
Sweden	40 (2.6)	▼
Thailand	39 (1.8)	▼
Oman	35 (1.7)	▼
Kuwait	35 (2.7)	▼
Lebanon	34 (2.7)	▼
Egypt	32 (1.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	52 (2.0)	
Quebec, Canada	50 (3.5)	
Dubai, UAE	48 (2.7)	
Florida, US	48 (3.2)	
Norway (8)	44 (2.1)	▼
Abu Dhabi, UAE	38 (2.1)	▼
Buenos Aires, Argentina	29 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_12A (M052422A): Blue color on the spinners**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	92 (1.3)	▲
Chinese Taipei	84 (1.5)	▲
Japan	84 (1.5)	▲
England	83 (1.7)	▲
Ireland	82 (1.6)	▲
Australia	81 (1.6)	▲
Singapore	79 (1.2)	▲
Canada	79 (1.4)	▲
Hong Kong SAR	79 (1.9)	▲
United States	78 (1.3)	▲
Norway (9)	75 (2.3)	▲
New Zealand	74 (2.0)	▲
Israel	73 (1.6)	▲
Hungary	73 (1.8)	▲
Turkey	69 (2.1)	
Lithuania	67 (2.4)	
Malta	67 (1.9)	
Chile	66 (2.0)	
Slovenia	65 (2.2)	
<b>International Avg.</b>	<b>65 (0.3)</b>	
Bahrain	65 (2.2)	
Italy	65 (2.1)	
United Arab Emirates	64 (1.1)	
Sweden	62 (2.1)	
Iran, Islamic Rep. of	60 (2.0)	▼
Qatar	58 (1.9)	▼
Malaysia	58 (2.1)	▼
Thailand	58 (2.0)	▼
Russian Federation	58 (2.5)	▼
South Africa (9)	55 (1.3)	▼
Kuwait	53 (2.5)	▼
Egypt	53 (1.7)	▼
Saudi Arabia	53 (2.5)	▼
Botswana (9)	52 (1.7)	▼
Oman	50 (1.8)	▼
Kazakhstan	49 (2.6)	▼
Jordan	49 (2.0)	▼
Lebanon	49 (2.5)	▼
Georgia	42 (2.4)	▼
Morocco	42 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.2)	▲
Ontario, Canada	76 (2.0)	▲
Florida, US	76 (2.3)	▲
Norway (8)	75 (2.6)	▲
Dubai, UAE	73 (1.4)	▲
Abu Dhabi, UAE	59 (2.3)	▼
Buenos Aires, Argentina	52 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_12B (M052422B): Red color on the spinners**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	75 (1.8)	▲
Chinese Taipei	74 (1.9)	▲
Hong Kong SAR	71 (2.1)	▲
Singapore	71 (1.5)	▲
Australia	70 (1.6)	▲
Korea, Rep. of	70 (2.0)	▲
Canada	69 (1.4)	▲
England	68 (2.2)	▲
Norway (9)	67 (2.4)	▲
Hungary	67 (2.2)	▲
Ireland	65 (2.6)	▲
United States	64 (1.2)	▲
New Zealand	62 (2.3)	▲
Sweden	60 (2.4)	▲
Italy	57 (2.6)	▲
Slovenia	57 (2.3)	▲
Malta	57 (2.1)	▲
Bahrain	55 (1.6)	▲
Lithuania	54 (2.5)	
Israel	53 (1.7)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
United Arab Emirates	49 (1.3)	▼
Turkey	48 (2.1)	
Chile	47 (1.6)	▼
Russian Federation	46 (2.5)	▼
Thailand	46 (2.1)	▼
Iran, Islamic Rep. of	44 (1.8)	▼
Qatar	43 (1.8)	▼
Jordan	39 (2.1)	▼
Kazakhstan	39 (2.6)	▼
Egypt	36 (1.9)	▼
Malaysia	36 (2.1)	▼
Saudi Arabia	35 (2.3)	▼
Oman	33 (1.7)	▼
Morocco	33 (1.2)	▼
Kuwait	32 (2.2)	▼
Botswana (9)	30 (1.6)	▼
South Africa (9)	30 (1.4)	▼
Lebanon	27 (2.2)	▼
Georgia	25 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	74 (2.8)	▲
Ontario, Canada	66 (2.0)	▲
Norway (8)	58 (2.6)	▲
Dubai, UAE	56 (2.0)	▲
Florida, US	56 (3.3)	
Abu Dhabi, UAE	48 (2.3)	
Buenos Aires, Argentina	42 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M06\_13 (M052505): Pizzas sold by a shop**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	96 (0.6)	▲
Hong Kong SAR	95 (0.9)	▲
Korea, Rep. of	95 (0.9)	▲
Chinese Taipei	95 (0.9)	▲
Japan	93 (1.1)	▲
England	92 (1.2)	▲
Slovenia	90 (1.4)	▲
Ireland	90 (1.2)	▲
Lithuania	89 (1.5)	▲
Australia	87 (1.3)	▲
Hungary	86 (1.7)	▲
Canada	86 (1.3)	▲
New Zealand	85 (1.4)	▲
Italy	85 (1.7)	▲
United States	84 (1.0)	▲
Norway (9)	84 (1.8)	▲
Russian Federation	84 (1.8)	▲
Malta	83 (1.5)	▲
Georgia	81 (2.1)	
Thailand	81 (1.9)	
United Arab Emirates	79 (0.9)	
Israel	78 (1.5)	
<b>International Avg.</b>	<b>78 (0.3)</b>	
Sweden	78 (1.8)	
Bahrain	75 (1.9)	
Malaysia	75 (1.6)	
Turkey	75 (2.4)	
Kazakhstan	73 (2.0)	▼
Iran, Islamic Rep. of	70 (1.8)	▼
Chile	70 (1.9)	▼
Qatar	69 (1.8)	▼
Kuwait	66 (2.1)	▼
Lebanon	64 (2.6)	▼
Oman	61 (1.5)	▼
Morocco	60 (1.5)	▼
Botswana (9)	59 (1.6)	▼
Jordan	58 (1.9)	▼
South Africa (9)	57 (1.7)	▼
Saudi Arabia	56 (2.6)	▼
Egypt	55 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	90 (2.1)	▲
Dubai, UAE	87 (1.3)	▲
Ontario, Canada	84 (1.9)	▲
Florida, US	82 (2.0)	▲
Norway (8)	80 (1.8)	
Abu Dhabi, UAE	74 (1.9)	▼
Buenos Aires, Argentina	56 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_01 (M042015): What is the value of cube of 3**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	95 (0.8)	▲
Slovenia	93 (1.2)	▲
Singapore	90 (1.1)	▲
Hong Kong SAR	89 (1.3)	▲
Italy	87 (1.6)	▲
United States	87 (1.0)	▲
Chinese Taipei	86 (1.3)	▲
Japan	86 (1.3)	▲
Russian Federation	84 (2.2)	▲
Lebanon	81 (1.9)	▲
Kazakhstan	80 (2.0)	▲
Ireland	79 (2.0)	▲
Hungary	77 (2.3)	▲
Canada	76 (1.4)	▲
Malaysia	75 (1.8)	▲
Lithuania	75 (2.3)	▲
Chile	75 (2.2)	▲
Egypt	73 (1.9)	
United Arab Emirates	72 (1.4)	
<b>International Avg.</b>	<b>70 (0.3)</b>	
Israel	70 (1.9)	
Bahrain	70 (1.8)	
Malta	69 (1.8)	
England	69 (2.5)	
Turkey	69 (2.1)	
Iran, Islamic Rep. of	68 (2.1)	
Australia	66 (1.8)	▼
Georgia	64 (2.9)	▼
Qatar	63 (2.3)	▼
South Africa (9)	62 (2.1)	▼
Oman	60 (1.7)	▼
Thailand	59 (2.5)	▼
Jordan	57 (2.2)	▼
New Zealand	57 (1.9)	▼
Norway (9)	57 (2.2)	▼
Kuwait	52 (2.7)	▼
Sweden	50 (2.4)	▼
Saudi Arabia	47 (2.4)	▼
Botswana (9)	39 (2.0)	▼
Morocco	35 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	88 (2.2)	▲
Florida, US	87 (2.9)	▲
Dubai, UAE	85 (1.5)	▲
Buenos Aires, Argentina	75 (2.7)	
Ontario, Canada	73 (1.9)	
Abu Dhabi, UAE	64 (2.5)	▼
Norway (8)	33 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_02 (M042196): Speed on the speedometer**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Hong Kong SAR	89 (1.4)	▲
Singapore	88 (1.1)	▲
Japan	88 (1.3)	▲
England	77 (1.9)	▲
Korea, Rep. of	77 (1.7)	▲
Chinese Taipei	74 (1.7)	▲
Slovenia	72 (1.8)	▲
Norway (9)	70 (2.0)	▲
Australia	69 (1.9)	▲
United States	68 (1.5)	▲
Malta	68 (1.9)	▲
Israel	67 (2.0)	▲
Hungary	66 (2.3)	▲
New Zealand	65 (2.0)	▲
Canada	65 (1.9)	▲
Sweden	65 (2.3)	▲
Ireland	63 (2.0)	▲
Lithuania	63 (2.4)	▲
Malaysia	60 (2.0)	▲
Italy	59 (2.1)	▲
Russian Federation	59 (2.6)	
<b>International Avg.</b>	<b>55 (0.3)</b>	
Kazakhstan	55 (3.0)	
United Arab Emirates	50 (1.2)	▼
Chile	44 (2.3)	▼
Bahrain	42 (2.2)	▼
Turkey	42 (2.0)	▼
Qatar	41 (2.6)	▼
Iran, Islamic Rep. of	40 (1.9)	▼
Georgia	40 (2.6)	▼
Thailand	37 (2.3)	▼
Lebanon	35 (2.5)	▼
Saudi Arabia	34 (2.3)	▼
Oman	32 (1.4)	▼
Botswana (9)	31 (1.6)	▼
Kuwait	31 (2.1)	▼
Egypt	30 (1.7)	▼
Morocco	30 (1.4)	▼
Jordan	29 (1.6)	▼
South Africa (9)	26 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	72 (3.5)	▲
Dubai, UAE	66 (2.1)	▲
Norway (8)	63 (2.5)	▲
Ontario, Canada	63 (2.6)	▲
Florida, US	59 (3.8)	
Abu Dhabi, UAE	42 (2.3)	▼
Buenos Aires, Argentina	35 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_03 (M042194): Present of games the team lose**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	93 (0.9)	▲
Korea, Rep. of	90 (1.1)	▲
Chinese Taipei	87 (1.5)	▲
Japan	87 (1.2)	▲
Sweden	86 (1.8)	▲
Ireland	86 (1.6)	▲
England	84 (1.7)	▲
Norway (9)	84 (1.8)	▲
Canada	84 (1.3)	▲
Hungary	83 (1.7)	▲
Hong Kong SAR	82 (1.5)	▲
Australia	82 (1.5)	▲
Slovenia	81 (1.5)	▲
Italy	79 (2.0)	▲
New Zealand	79 (1.9)	▲
United States	77 (1.5)	▲
Russian Federation	76 (1.9)	▲
Lithuania	75 (2.1)	▲
Kazakhstan	72 (2.1)	▲
Israel	72 (1.9)	▲
Malta	69 (1.8)	▲
Turkey	65 (1.9)	
<b>International Avg.</b>	<b>65 (0.3)</b>	
Georgia	62 (2.2)	
Chile	62 (2.0)	
Iran, Islamic Rep. of	57 (2.1)	▼
Thailand	56 (1.7)	▼
United Arab Emirates	56 (1.4)	▼
Qatar	50 (1.9)	▼
Malaysia	48 (1.8)	▼
Bahrain	45 (1.9)	▼
Lebanon	43 (2.7)	▼
Egypt	40 (1.8)	▼
Kuwait	39 (2.7)	▼
Jordan	39 (2.1)	▼
Saudi Arabia	37 (2.3)	▼
Botswana (9)	32 (1.7)	▼
Morocco	32 (1.6)	▼
Oman	32 (1.9)	▼
South Africa (9)	25 (1.9)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	85 (1.7)	▲
Quebec, Canada	83 (2.6)	▲
Norway (8)	81 (2.0)	▲
Dubai, UAE	68 (1.8)	▲
Florida, US	66 (3.8)	
Buenos Aires, Argentina	56 (2.8)	▼
Abu Dhabi, UAE	51 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_04A (M042114A): Complete the table**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	86 (1.4)	▲
Korea, Rep. of	84 (1.4)	▲
Hong Kong SAR	84 (1.9)	▲
Japan	81 (1.5)	▲
Chinese Taipei	73 (1.7)	▲
Slovenia	73 (2.1)	▲
Norway (9)	72 (2.1)	▲
Canada	71 (1.6)	▲
Lithuania	71 (2.0)	▲
England	70 (2.2)	▲
Sweden	70 (2.1)	▲
Russian Federation	70 (2.3)	▲
Ireland	70 (1.9)	▲
Hungary	68 (2.5)	▲
Israel	66 (1.8)	▲
Kazakhstan	63 (2.7)	▲
New Zealand	62 (1.9)	▲
Australia	62 (1.9)	▲
United States	58 (1.6)	▲
Italy	57 (2.5)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
Malta	53 (2.1)	
Georgia	49 (2.6)	
Lebanon	48 (2.7)	▼
United Arab Emirates	43 (1.4)	▼
Morocco	42 (1.5)	▼
Turkey	41 (2.0)	▼
Iran, Islamic Rep. of	39 (2.2)	▼
Chile	38 (2.3)	▼
Qatar	37 (2.5)	▼
Egypt	34 (2.1)	▼
Malaysia	34 (1.7)	▼
Thailand	34 (2.3)	▼
Bahrain	27 (1.9)	▼
Jordan	27 (1.6)	▼
Kuwait	24 (2.2)	▼
Oman	23 (1.5)	▼
South Africa (9)	22 (1.6)	▼
Saudi Arabia	21 (2.0)	▼
Botswana (9)	18 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	79 (3.3)	▲
Ontario, Canada	67 (2.3)	▲
Norway (8)	66 (2.0)	▲
Dubai, UAE	61 (2.0)	▲
Florida, US	49 (4.1)	
Buenos Aires, Argentina	35 (2.7)	▼
Abu Dhabi, UAE	34 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_04B (M042114B): Number of papers in a 28mm stack**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	84 (1.5)	▲
Hong Kong SAR	78 (2.0)	▲
Korea, Rep. of	78 (1.8)	▲
Japan	72 (1.8)	▲
Chinese Taipei	71 (1.8)	▲
Russian Federation	62 (2.4)	▲
Slovenia	62 (2.4)	▲
Canada	61 (1.6)	▲
Sweden	58 (2.2)	▲
England	58 (2.1)	▲
Kazakhstan	57 (2.9)	▲
Ireland	57 (2.1)	▲
Israel	57 (2.1)	▲
Lithuania	57 (2.4)	▲
Norway (9)	57 (2.5)	▲
Hungary	52 (2.3)	▲
United States	50 (1.9)	▲
Italy	50 (2.2)	▲
Australia	49 (2.0)	▲
New Zealand	49 (2.1)	▲
Malta	44 (1.9)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Georgia	39 (2.4)	▼
United Arab Emirates	36 (1.4)	▼
Turkey	34 (2.0)	▼
Lebanon	32 (2.7)	▼
Qatar	32 (2.0)	▼
Malaysia	31 (1.8)	▼
Iran, Islamic Rep. of	30 (1.9)	▼
Thailand	30 (2.2)	▼
Chile	28 (1.9)	▼
Morocco	27 (1.4)	▼
Egypt	23 (1.9)	▼
Bahrain	21 (1.7)	▼
Jordan	20 (1.6)	▼
Oman	17 (1.4)	▼
Kuwait	16 (2.1)	▼
Saudi Arabia	15 (1.7)	▼
South Africa (9)	15 (1.3)	▼
Botswana (9)	15 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	73 (3.1)	▲
Ontario, Canada	56 (2.3)	▲
Dubai, UAE	51 (2.1)	▲
Norway (8)	50 (2.3)	▲
Florida, US	44 (3.4)	
Abu Dhabi, UAE	28 (2.3)	▼
Buenos Aires, Argentina	23 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_05 (M042112): Relationship between x and y**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Chinese Taipei	68 (1.7)	▲
Singapore	61 (1.7)	▲
Korea, Rep. of	61 (1.6)	▲
Kazakhstan	60 (2.4)	▲
Japan	55 (2.2)	▲
Hong Kong SAR	55 (2.4)	▲
Slovenia	55 (2.0)	▲
Ireland	53 (2.2)	▲
Thailand	51 (2.1)	
Malta	51 (2.3)	
Russian Federation	51 (2.8)	
Italy	50 (2.8)	
Lithuania	50 (2.6)	
Hungary	50 (2.3)	
Jordan	49 (2.1)	
England	48 (2.0)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Botswana (9)	47 (2.2)	
Malaysia	47 (1.6)	
Oman	46 (1.9)	
Bahrain	46 (1.6)	
Lebanon	46 (2.4)	
Turkey	46 (2.1)	
United Arab Emirates	46 (1.2)	
Australia	45 (1.5)	
Morocco	45 (1.5)	
Canada	44 (1.6)	
South Africa (9)	44 (1.3)	▼
Israel	43 (2.0)	▼
Chile	43 (2.3)	▼
New Zealand	42 (1.7)	▼
Egypt	42 (1.8)	▼
Qatar	42 (1.8)	▼
Georgia	41 (2.4)	▼
United States	41 (1.6)	▼
Sweden	38 (1.8)	▼
Iran, Islamic Rep. of	38 (1.8)	▼
Kuwait	37 (2.3)	▼
Saudi Arabia	35 (2.2)	▼
Norway (9)	34 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	53 (2.6)	▲
Quebec, Canada	46 (2.3)	
Ontario, Canada	44 (2.0)	
Abu Dhabi, UAE	44 (2.5)	
Florida, US	32 (3.1)	▼
Norway (8)	30 (2.2)	▼
Buenos Aires, Argentina	26 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_06 (M042109): Formula for distance traveled**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	78 (1.5)	▲
Japan	73 (1.8)	▲
Korea, Rep. of	68 (2.2)	▲
Hong Kong SAR	65 (2.2)	▲
Russian Federation	64 (2.0)	▲
Chinese Taipei	63 (1.9)	▲
Kazakhstan	56 (3.0)	▲
United States	51 (1.9)	▲
Canada	46 (1.6)	▲
Israel	44 (2.0)	▲
Lithuania	41 (2.4)	
New Zealand	38 (1.9)	
Iran, Islamic Rep. of	38 (1.7)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
United Arab Emirates	35 (1.4)	
Bahrain	33 (2.2)	
Malta	33 (2.1)	
Ireland	33 (2.0)	
Australia	33 (1.7)	▼
Oman	32 (1.4)	▼
England	31 (2.1)	▼
Morocco	31 (1.1)	▼
Jordan	30 (2.0)	▼
Lebanon	30 (2.5)	▼
Saudi Arabia	30 (2.2)	▼
Egypt	29 (1.5)	▼
Sweden	29 (2.9)	▼
Georgia	27 (2.5)	▼
Turkey	26 (1.9)	▼
Italy	26 (2.1)	▼
Chile	25 (1.9)	▼
Hungary	25 (1.8)	▼
Kuwait	25 (1.9)	▼
Thailand	25 (1.6)	▼
Qatar	24 (1.6)	▼
Malaysia	24 (1.5)	▼
South Africa (9)	23 (1.6)	▼
Norway (9)	20 (1.7)	▼
Botswana (9)	16 (1.4)	▼
Slovenia	15 (1.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	48 (2.3)	▲
Ontario, Canada	48 (2.2)	▲
Dubai, UAE	43 (2.1)	▲
Quebec, Canada	39 (2.6)	
Abu Dhabi, UAE	31 (2.4)	▼
Norway (8)	17 (1.6)	▼
Buenos Aires, Argentina	15 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_07 (M042050): Value of the expression**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	77 (1.9)	▲
Hong Kong SAR	75 (2.2)	▲
Chinese Taipei	73 (1.9)	▲
Korea, Rep. of	69 (2.0)	▲
Kazakhstan	57 (2.7)	▲
Russian Federation	57 (2.3)	▲
Japan	55 (1.8)	▲
United States	51 (1.5)	▲
Slovenia	48 (2.2)	▲
Lebanon	43 (2.6)	▲
Canada	38 (1.7)	▲
United Arab Emirates	37 (1.2)	▲
Israel	37 (2.1)	▲
Hungary	36 (2.3)	
Malta	36 (1.9)	
Ireland	35 (2.2)	
Georgia	35 (2.7)	
Italy	33 (2.3)	
Lithuania	32 (2.1)	
<b>International Avg.</b>	<b>32 (0.3)</b>	
Australia	28 (2.0)	▼
Malaysia	28 (1.6)	▼
England	26 (2.0)	▼
Egypt	23 (1.9)	▼
Bahrain	22 (2.2)	▼
Qatar	21 (1.8)	▼
New Zealand	20 (1.8)	▼
Turkey	20 (1.8)	▼
Oman	19 (1.4)	▼
Iran, Islamic Rep. of	17 (1.4)	▼
Jordan	16 (1.4)	▼
Chile	13 (1.7)	▼
Saudi Arabia	13 (1.7)	▼
Thailand	12 (1.7)	▼
South Africa (9)	10 (1.4)	▼
Norway (9)	10 (1.4)	▼
Kuwait	10 (1.5)	▼
Sweden	8 (1.2)	▼
Morocco	8 (0.8)	▼
Botswana (9)	6 (0.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	47 (2.0)	▲
Quebec, Canada	41 (3.0)	▲
Ontario, Canada	38 (2.1)	▲
Florida, US	35 (2.9)	
Abu Dhabi, UAE	29 (2.4)	
Buenos Aires, Argentina	14 (2.0)	▼
Norway (8)	2 (0.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_08A (M042074A): Circles for patterns 4 & 30**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	72 (1.7)	▲
Singapore	71 (1.8)	▲
Korea, Rep. of	67 (2.1)	▲
Hong Kong SAR	65 (2.8)	▲
Japan	60 (1.8)	▲
Russian Federation	53 (2.3)	▲
Canada	50 (1.9)	▲
Kazakhstan	47 (3.1)	▲
New Zealand	42 (1.8)	▲
Italy	41 (2.5)	▲
Saudi Arabia	41 (2.2)	▲
Israel	41 (1.8)	▲
Australia	40 (2.0)	
United States	39 (1.8)	
Sweden	39 (2.4)	
Hungary	37 (2.2)	
<b>International Avg.</b>	<b>36 (0.3)</b>	
Malta	36 (1.9)	
England	35 (2.6)	
Slovenia	34 (2.2)	
Iran, Islamic Rep. of	33 (1.9)	
Norway (9)	33 (2.1)	
United Arab Emirates	33 (1.2)	▼
Ireland	33 (2.1)	
Lithuania	32 (2.3)	
Qatar	29 (1.9)	▼
Bahrain	29 (2.2)	▼
Turkey	29 (1.9)	▼
Malaysia	29 (1.6)	▼
Thailand	27 (2.4)	▼
Chile	25 (2.0)	▼
South Africa (9)	23 (1.6)	▼
Georgia	21 (2.2)	▼
Botswana (9)	21 (1.5)	▼
Lebanon	20 (2.1)	▼
Oman	18 (1.4)	▼
Jordan	18 (1.5)	▼
Egypt	16 (2.0)	▼
Morocco	14 (1.2)	▼
Kuwait	13 (1.5)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	53 (2.2)	▲
Dubai, UAE	47 (2.1)	▲
Quebec, Canada	45 (3.9)	▲
Florida, US	34 (2.8)	
Norway (8)	28 (2.0)	▼
Abu Dhabi, UAE	26 (2.0)	▼
Buenos Aires, Argentina	11 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_08B (M042074B): Procedure for finding the number  
Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	68 (2.1)	▲
Singapore	63 (2.1)	▲
Chinese Taipei	59 (1.9)	▲
Japan	58 (1.8)	▲
Hong Kong SAR	53 (2.4)	▲
Russian Federation	47 (2.3)	▲
Canada	44 (2.2)	▲
Australia	41 (2.1)	▲
United States	40 (1.6)	▲
New Zealand	38 (1.9)	▲
Bahrain	37 (2.2)	▲
Sweden	37 (2.3)	▲
Israel	36 (1.8)	▲
Italy	36 (2.3)	
Lithuania	36 (2.4)	
Ireland	35 (1.8)	▲
United Arab Emirates	35 (1.3)	▲
Hungary	34 (2.1)	
England	33 (2.0)	
Malta	33 (2.0)	
Thailand	32 (2.0)	
<b>International Avg.</b>	<b>32 (0.3)</b>	
Turkey	31 (1.7)	
Norway (9)	29 (2.0)	
Slovenia	29 (2.2)	
Qatar	22 (1.9)	▼
Kazakhstan	21 (2.2)	▼
Oman	20 (1.5)	▼
Egypt	20 (1.6)	▼
Jordan	19 (1.5)	▼
South Africa (9)	19 (1.5)	▼
Georgia	18 (2.0)	▼
Malaysia	18 (1.3)	▼
Botswana (9)	17 (1.4)	▼
Iran, Islamic Rep. of	17 (1.4)	▼
Chile	14 (1.5)	▼
Saudi Arabia	13 (1.9)	▼
Kuwait	13 (1.6)	▼
Lebanon	11 (1.9)	▼
Morocco	6 (0.7)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	46 (2.2)	▲
Dubai, UAE	42 (2.2)	▲
Quebec, Canada	41 (3.7)	▲
Florida, US	35 (2.7)	
Abu Dhabi, UAE	34 (2.2)	
Norway (8)	23 (1.8)	▼
Buenos Aires, Argentina	7 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_08C (M042074C): Rule for finding number of circles**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	58 (1.9)	▲
Chinese Taipei	53 (2.2)	▲
Korea, Rep. of	52 (2.4)	▲
Hong Kong SAR	52 (3.2)	▲
Japan	48 (1.7)	▲
Canada	38 (1.8)	▲
Israel	30 (1.9)	▲
New Zealand	30 (1.9)	▲
Australia	29 (2.1)	▲
England	28 (2.3)	▲
United States	26 (1.7)	▲
Kazakhstan	26 (2.8)	
Sweden	26 (2.1)	▲
Russian Federation	22 (1.7)	
<b>International Avg.</b>	<b>21 (0.3)</b>	
United Arab Emirates	20 (1.4)	
Hungary	20 (1.8)	
Italy	20 (2.0)	
Malta	20 (1.6)	
Turkey	19 (1.9)	
Slovenia	18 (1.6)	
Lithuania	18 (1.9)	
Norway (9)	18 (1.6)	▼
Iran, Islamic Rep. of	17 (1.5)	▼
Qatar	14 (1.6)	▼
Ireland	12 (1.3)	▼
Bahrain	12 (1.9)	▼
Oman	11 (1.3)	▼
Thailand	10 (1.5)	▼
Georgia	9 (1.2)	▼
South Africa (9)	9 (1.4)	▼
Jordan	8 (1.0)	▼
Saudi Arabia	8 (1.3)	▼
Egypt	7 (1.3)	▼
Lebanon	7 (1.5)	▼
Chile	7 (1.1)	▼
Malaysia	6 (0.7)	▼
Botswana (9)	4 (0.7)	▼
Kuwait	4 (1.1)	▼
Morocco	3 (0.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants**

Ontario, Canada	41 (2.4)	▲
Dubai, UAE	33 (3.3)	▲
Quebec, Canada	33 (3.3)	▲
Florida, US	20 (3.0)	
Abu Dhabi, UAE	15 (1.9)	▼
Norway (8)	12 (1.5)	▼
Buenos Aires, Argentina	3 (0.7)	▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_09 (M042151): Shape with AB as line of symmetry**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	93 (1.0)	▲
Singapore	86 (1.4)	▲
Korea, Rep. of	84 (1.6)	▲
Hong Kong SAR	83 (1.9)	▲
Malta	77 (1.7)	▲
England	76 (1.9)	▲
Slovenia	75 (1.9)	▲
Canada	74 (1.6)	▲
Hungary	74 (2.1)	▲
Lithuania	69 (2.4)	▲
Ireland	68 (2.0)	▲
New Zealand	67 (1.8)	▲
Australia	66 (2.0)	▲
Russian Federation	64 (2.7)	▲
Italy	60 (2.3)	▲
Iran, Islamic Rep. of	59 (2.1)	▲
United States	58 (1.8)	▲
Kazakhstan	53 (2.6)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Norway (9)	49 (2.3)	
Sweden	48 (2.5)	
United Arab Emirates	42 (1.2)	▼
Chile	42 (2.7)	▼
Qatar	41 (1.9)	▼
Georgia	40 (2.9)	▼
Turkey	37 (2.0)	▼
Oman	36 (1.7)	▼
Egypt	36 (2.2)	▼
Morocco	36 (1.6)	▼
Chinese Taipei	35 (1.9)	▼
Kuwait	32 (2.3)	▼
Lebanon	30 (3.0)	▼
Malaysia	30 (1.5)	▼
Bahrain	29 (1.7)	▼
Botswana (9)	27 (1.5)	▼
Israel	25 (1.7)	▼
Thailand	24 (2.2)	▼
South Africa (9)	23 (1.8)	▼
Jordan	20 (1.9)	▼
Saudi Arabia	20 (1.8)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	77 (1.7)	▲
Quebec, Canada	71 (3.4)	▲
Dubai, UAE	58 (1.7)	▲
Norway (8)	54 (2.1)	
Florida, US	49 (3.4)	
Abu Dhabi, UAE	34 (2.8)	▼
Buenos Aires, Argentina	15 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_10 (M042132): What is the perimeter of the figure**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	72 (1.6)	▲
Singapore	68 (1.8)	▲
Hong Kong SAR	55 (2.5)	▲
Korea, Rep. of	48 (2.3)	▲
Kazakhstan	47 (2.9)	▲
Italy	46 (2.4)	▲
Japan	45 (2.3)	▲
Russian Federation	43 (2.5)	▲
Israel	40 (2.1)	▲
Hungary	38 (2.4)	▲
Turkey	38 (1.8)	▲
Lithuania	34 (2.3)	
United States	33 (1.6)	
<b>International Avg.</b>	<b>32 (0.3)</b>	
Canada	31 (1.6)	
England	31 (2.0)	
Malaysia	31 (1.8)	
Georgia	29 (2.7)	
Oman	28 (1.5)	▼
Iran, Islamic Rep. of	28 (2.1)	▼
Egypt	28 (1.7)	▼
Australia	27 (1.6)	▼
United Arab Emirates	26 (1.3)	▼
Slovenia	26 (1.8)	▼
New Zealand	26 (1.7)	▼
Morocco	25 (1.4)	▼
Jordan	25 (1.8)	▼
Norway (9)	25 (2.0)	▼
Malta	25 (1.8)	▼
Ireland	25 (2.0)	▼
Thailand	24 (1.7)	▼
Chile	24 (1.9)	▼
Qatar	23 (1.6)	▼
Bahrain	23 (1.5)	▼
Botswana (9)	22 (1.6)	▼
Kuwait	21 (2.3)	▼
Saudi Arabia	20 (2.0)	▼
South Africa (9)	20 (1.3)	▼
Lebanon	18 (1.9)	▼
Sweden	18 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	32 (1.8)	
Quebec, Canada	32 (2.9)	
Ontario, Canada	30 (2.1)	
Florida, US	24 (3.0)	▼
Abu Dhabi, UAE	22 (2.1)	▼
Norway (8)	19 (1.7)	▼
Buenos Aires, Argentina	16 (1.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_11 (M042257): Which 2 shapes fit together**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Japan	70 (2.0)	▲
Korea, Rep. of	63 (2.1)	▲
Chinese Taipei	63 (2.0)	▲
Singapore	62 (2.0)	▲
Hong Kong SAR	59 (2.1)	▲
Italy	56 (2.4)	▲
Russian Federation	52 (2.7)	▲
England	50 (1.9)	▲
Kazakhstan	50 (2.9)	▲
Lithuania	48 (2.3)	▲
Slovenia	47 (1.9)	▲
Canada	47 (1.5)	▲
Hungary	45 (2.2)	▲
New Zealand	45 (1.9)	▲
Chile	45 (2.4)	▲
Ireland	44 (2.4)	▲
Australia	44 (2.0)	▲
Sweden	44 (2.3)	▲
Norway (9)	42 (2.3)	
United States	42 (1.7)	
<b>International Avg.</b>	<b>39 (0.3)</b>	
Thailand	38 (2.1)	
Malaysia	37 (1.6)	
Israel	37 (1.8)	
Malta	35 (2.2)	
Iran, Islamic Rep. of	31 (2.0)	▼
United Arab Emirates	29 (1.1)	▼
Botswana (9)	29 (1.5)	▼
Qatar	27 (1.9)	▼
Turkey	27 (1.6)	▼
South Africa (9)	26 (1.6)	▼
Lebanon	26 (2.0)	▼
Morocco	26 (1.1)	▼
Georgia	25 (2.2)	▼
Bahrain	25 (2.1)	▼
Oman	21 (1.4)	▼
Egypt	21 (1.5)	▼
Saudi Arabia	18 (1.7)	▼
Kuwait	18 (1.8)	▼
Jordan	15 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	51 (2.9)	▲
Florida, US	43 (2.9)	
Ontario, Canada	43 (2.0)	
Norway (8)	41 (2.2)	
Dubai, UAE	41 (2.1)	
Buenos Aires, Argentina	28 (2.5)	▼
Abu Dhabi, UAE	24 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_12 (M042158): Difference in high and low temp**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	83 (1.5)	▲
Japan	83 (1.3)	▲
Chinese Taipei	80 (1.5)	▲
Singapore	80 (1.4)	▲
Hong Kong SAR	78 (2.0)	▲
Italy	73 (2.2)	▲
Russian Federation	72 (2.9)	▲
England	70 (2.0)	▲
Canada	70 (1.8)	▲
Ireland	68 (2.3)	▲
Lithuania	67 (2.2)	▲
Turkey	66 (1.8)	▲
New Zealand	66 (1.5)	▲
Thailand	65 (2.1)	
Hungary	65 (2.1)	
Malaysia	65 (1.8)	
Kazakhstan	64 (3.1)	
United States	64 (1.7)	
Norway (9)	64 (2.2)	
Australia	63 (1.5)	
Israel	62 (1.6)	
Chile	62 (2.0)	
International Avg.	62 (0.3)	
United Arab Emirates	61 (1.1)	
Slovenia	60 (2.1)	
Sweden	60 (2.6)	
Malta	56 (2.3)	▼
Qatar	55 (2.5)	▼
Oman	54 (1.7)	▼
Lebanon	54 (2.7)	▼
Georgia	54 (2.8)	▼
Botswana (9)	54 (1.8)	▼
South Africa (9)	52 (1.4)	▼
Bahrain	51 (2.4)	▼
Kuwait	50 (2.3)	▼
Iran, Islamic Rep. of	48 (2.2)	▼
Saudi Arabia	46 (2.5)	▼
Jordan	46 (1.9)	▼
Egypt	42 (1.9)	▼
Morocco	39 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	77 (2.4)	▲
Ontario, Canada	68 (2.4)	▲
Dubai, UAE	67 (1.5)	▲
Florida, US	62 (3.5)	
Norway (8)	61 (2.1)	
Abu Dhabi, UAE	58 (2.2)	
Buenos Aires, Argentina	40 (2.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_13 (M042252): Speed time graph**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	76 (1.6)	▲
Korea, Rep. of	69 (2.2)	▲
Chinese Taipei	69 (1.6)	▲
Japan	62 (2.3)	▲
Hong Kong SAR	61 (2.6)	▲
Norway (9)	60 (2.2)	▲
Slovenia	57 (2.5)	▲
Ireland	55 (2.1)	▲
England	55 (2.1)	▲
Lithuania	55 (2.2)	▲
Australia	55 (2.0)	▲
New Zealand	52 (2.1)	▲
Canada	52 (1.7)	▲
Sweden	52 (2.6)	▲
United States	51 (1.6)	▲
Russian Federation	48 (2.0)	▲
Hungary	48 (2.4)	▲
Italy	46 (2.2)	▲
Israel	44 (1.8)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
Malta	37 (1.8)	▼
Chile	37 (2.0)	▼
Kazakhstan	35 (2.4)	▼
Turkey	34 (1.8)	▼
Malaysia	33 (1.7)	▼
United Arab Emirates	30 (1.2)	▼
Qatar	28 (2.2)	▼
Oman	27 (1.4)	▼
Bahrain	25 (1.8)	▼
Saudi Arabia	23 (2.0)	▼
South Africa (9)	23 (1.2)	▼
Iran, Islamic Rep. of	23 (1.7)	▼
Morocco	23 (1.1)	▼
Thailand	23 (1.7)	▼
Lebanon	22 (1.9)	▼
Kuwait	21 (1.8)	▼
Georgia	21 (2.2)	▼
Botswana (9)	20 (1.6)	▼
Egypt	19 (1.4)	▼
Jordan	18 (1.4)	▼
<b>Benchmarking Participants</b>		
Norway (8)	53 (2.0)	▲
Ontario, Canada	52 (2.0)	▲
Quebec, Canada	52 (3.1)	▲
Dubai, UAE	41 (2.2)	
Florida, US	37 (4.1)	
Abu Dhabi, UAE	26 (2.4)	▼
Buenos Aires, Argentina	23 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M07\_14 (M042261): How likely it will rain**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	97 (0.6)	▲
Lithuania	88 (1.7)	▲
England	85 (1.7)	▲
Iran, Islamic Rep. of	84 (1.8)	▲
Japan	84 (1.4)	▲
Ireland	83 (1.5)	▲
Canada	82 (1.3)	▲
Singapore	82 (1.5)	▲
Hungary	82 (1.8)	▲
Russian Federation	81 (2.0)	▲
Turkey	81 (2.2)	▲
Australia	79 (1.9)	▲
New Zealand	78 (1.4)	▲
Hong Kong SAR	77 (1.8)	▲
Slovenia	77 (1.9)	▲
United States	77 (1.5)	▲
Chinese Taipei	73 (1.7)	▲
Malta	73 (1.7)	▲
Georgia	72 (2.2)	▲
Norway (9)	67 (2.2)	▲
<b>International Avg.</b>	<b>58 (0.3)</b>	
Israel	58 (1.9)	
Bahrain	57 (1.9)	
Sweden	57 (2.3)	
Kazakhstan	54 (3.3)	
Chile	49 (2.3)	▼
Italy	46 (2.7)	▼
United Arab Emirates	45 (1.2)	▼
Thailand	44 (2.3)	▼
Qatar	36 (2.0)	▼
South Africa (9)	30 (1.5)	▼
Botswana (9)	29 (1.4)	▼
Malaysia	27 (1.6)	▼
Saudi Arabia	27 (2.4)	▼
Kuwait	25 (2.5)	▼
Lebanon	25 (2.1)	▼
Oman	22 (1.7)	▼
Morocco	19 (1.1)	▼
Egypt	17 (1.1)	▼
Jordan	16 (1.5)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	83 (1.5)	▲
Quebec, Canada	78 (2.8)	▲
Norway (8)	70 (1.9)	▲
Florida, US	66 (3.5)	▲
Dubai, UAE	58 (1.9)	
Buenos Aires, Argentina	51 (2.8)	▼
Abu Dhabi, UAE	44 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_01 (M062005): 832 divided by 16 is equal to  
Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	87 (1.3)	▲
Malaysia	82 (1.7)	▲
Hong Kong SAR	79 (1.6)	▲
Ireland	79 (2.2)	▲
Canada	75 (1.7)	▲
Russian Federation	71 (1.8)	▲
Kazakhstan	71 (2.4)	▲
Lebanon	69 (2.4)	▲
Chinese Taipei	68 (1.8)	▲
Japan	68 (2.0)	▲
Israel	68 (1.9)	▲
United States	67 (1.7)	▲
Malta	66 (1.9)	▲
Korea, Rep. of	66 (2.1)	▲
England	65 (2.1)	▲
Lithuania	65 (2.4)	▲
Australia	64 (1.7)	▲
Italy	63 (2.3)	▲
Hungary	60 (2.1)	
United Arab Emirates	60 (1.3)	
Slovenia	58 (2.4)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Bahrain	57 (2.0)	
Georgia	52 (2.2)	▼
Botswana (9)	52 (2.0)	▼
New Zealand	51 (2.3)	▼
Norway (9)	51 (2.2)	▼
Qatar	50 (2.0)	▼
Thailand	50 (2.0)	▼
Egypt	47 (1.7)	▼
Sweden	46 (2.5)	▼
Oman	46 (1.7)	▼
South Africa (9)	44 (1.7)	▼
Turkey	44 (2.0)	▼
Iran, Islamic Rep. of	44 (2.2)	▼
Saudi Arabia	39 (2.4)	▼
Morocco	38 (1.5)	▼
Jordan	35 (2.2)	▼
Kuwait	33 (2.5)	▼
Chile	27 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	79 (3.1)	▲
Ontario, Canada	73 (2.2)	▲
Dubai, UAE	69 (1.6)	▲
Florida, US	66 (2.9)	▲
Abu Dhabi, UAE	57 (2.1)	
Norway (8)	45 (2.1)	▼
Buenos Aires, Argentina	37 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_02 (M062139): Number of biscuits Marina keeps for herself**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	68 (1.7)	▲
Chinese Taipei	63 (1.8)	▲
Hong Kong SAR	60 (2.4)	▲
Korea, Rep. of	58 (1.6)	▲
Sweden	52 (2.5)	▲
Japan	49 (1.8)	▲
Russian Federation	48 (2.7)	▲
England	47 (2.3)	▲
Ireland	47 (2.1)	▲
Norway (9)	46 (2.5)	▲
Canada	45 (1.7)	▲
Israel	45 (1.9)	▲
Kazakhstan	45 (3.3)	▲
Hungary	42 (2.2)	▲
United States	42 (1.7)	▲
New Zealand	41 (1.9)	▲
Australia	40 (1.8)	▲
Lithuania	38 (2.6)	
Slovenia	35 (2.1)	
Georgia	35 (2.7)	
<b>International Avg.</b>	<b>33 (0.3)</b>	
Italy	31 (2.1)	
Malta	30 (1.9)	
United Arab Emirates	27 (1.4)	▼
Qatar	25 (1.6)	▼
Iran, Islamic Rep. of	24 (1.7)	▼
Bahrain	21 (1.6)	▼
Turkey	21 (1.8)	▼
Thailand	21 (1.7)	▼
Chile	20 (1.6)	▼
Malaysia	16 (1.1)	▼
Egypt	16 (1.4)	▼
Jordan	16 (1.7)	▼
Morocco	15 (1.1)	▼
Saudi Arabia	15 (2.0)	▼
Lebanon	14 (1.8)	▼
Kuwait	13 (1.7)	▼
Botswana (9)	13 (1.1)	▼
Oman	11 (1.1)	▼
South Africa (9)	10 (1.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	49 (3.5)	▲
Ontario, Canada	46 (2.3)	▲
Norway (8)	40 (2.2)	▲
Dubai, UAE	37 (2.9)	
Florida, US	34 (2.7)	
Abu Dhabi, UAE	23 (2.3)	▼
Buenos Aires, Argentina	18 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_03 (M062164): Number to add to 2/5 to get 0.42**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	92 (1.0)	▲
Hong Kong SAR	87 (1.7)	▲
Chinese Taipei	82 (1.2)	▲
Ireland	81 (1.8)	▲
Korea, Rep. of	79 (1.6)	▲
Russian Federation	74 (2.0)	▲
Japan	73 (1.7)	▲
United States	72 (1.6)	▲
Canada	71 (1.6)	▲
Kazakhstan	69 (2.5)	▲
Israel	66 (2.3)	▲
Malaysia	66 (2.0)	▲
Lithuania	66 (2.7)	▲
Malta	65 (1.8)	▲
Lebanon	62 (2.9)	▲
Hungary	59 (2.8)	
Australia	59 (2.1)	
Italy	59 (2.5)	
Sweden	59 (2.1)	
Slovenia	58 (2.4)	
England	57 (2.4)	
<b>International Avg.</b>	<b>56 (0.3)</b>	
Norway (9)	56 (2.2)	
United Arab Emirates	55 (1.3)	
New Zealand	54 (2.0)	
Georgia	52 (2.6)	
Qatar	49 (2.5)	▼
Oman	46 (2.0)	▼
Bahrain	42 (2.0)	▼
Morocco	42 (1.5)	▼
Botswana (9)	41 (1.8)	▼
Iran, Islamic Rep. of	38 (2.1)	▼
Thailand	38 (2.1)	▼
Egypt	37 (1.9)	▼
South Africa (9)	36 (1.7)	▼
Turkey	36 (2.1)	▼
Chile	34 (2.1)	▼
Kuwait	33 (2.7)	▼
Jordan	29 (1.6)	▼
Saudi Arabia	27 (2.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	79 (1.8)	▲
Florida, US	69 (3.0)	▲
Ontario, Canada	69 (2.2)	▲
Dubai, UAE	67 (2.1)	▲
Norway (8)	51 (2.1)	▼
Abu Dhabi, UAE	51 (2.2)	▼
Buenos Aires, Argentina	28 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_04 (M062142): Shade 40% of the rectangle**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	90 (1.0)	▲
Hong Kong SAR	86 (1.7)	▲
Korea, Rep. of	81 (1.5)	▲
Japan	76 (1.6)	▲
Chinese Taipei	74 (1.7)	▲
Norway (9)	73 (2.0)	▲
Kazakhstan	72 (2.2)	▲
Ireland	72 (1.8)	▲
Russian Federation	72 (2.1)	▲
Hungary	72 (1.9)	▲
Sweden	72 (2.2)	▲
Lithuania	71 (2.2)	▲
Canada	68 (1.7)	▲
Slovenia	68 (2.2)	▲
Israel	67 (1.7)	▲
Malta	66 (1.7)	▲
England	66 (2.4)	▲
United States	63 (1.4)	▲
Georgia	60 (3.0)	
Malaysia	59 (1.8)	
New Zealand	59 (1.7)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Australia	57 (1.8)	
Italy	55 (2.2)	
Qatar	49 (2.3)	▼
United Arab Emirates	49 (1.3)	▼
Turkey	46 (2.2)	▼
Lebanon	45 (3.0)	▼
Botswana (9)	45 (1.6)	▼
Chile	45 (2.3)	▼
Thailand	44 (2.2)	▼
Egypt	41 (2.0)	▼
Bahrain	41 (1.9)	▼
Iran, Islamic Rep. of	38 (2.0)	▼
Oman	36 (1.6)	▼
Jordan	32 (1.6)	▼
Morocco	32 (1.4)	▼
Kuwait	30 (2.3)	▼
Saudi Arabia	29 (2.3)	▼
South Africa (9)	24 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.3)	▲
Norway (8)	66 (1.7)	▲
Ontario, Canada	63 (2.1)	▲
Dubai, UAE	62 (2.3)	▲
Florida, US	53 (3.2)	
Abu Dhabi, UAE	43 (2.5)	▼
Buenos Aires, Argentina	41 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_05 (M062084): Solve the inequality with y**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	58 (1.6)	▲
Korea, Rep. of	57 (2.3)	▲
Kazakhstan	54 (2.3)	▲
Russian Federation	47 (2.9)	▲
Singapore	38 (1.6)	▲
Hong Kong SAR	36 (2.3)	▲
Bahrain	32 (1.6)	▲
Lebanon	32 (2.8)	▲
Malaysia	31 (2.0)	▲
Israel	27 (1.9)	▲
Georgia	27 (2.5)	
Egypt	25 (1.8)	
United States	25 (1.6)	
Kuwait	24 (2.2)	
<b>International Avg.</b>	<b>23 (0.3)</b>	
Lithuania	23 (2.2)	
Oman	22 (1.3)	
Japan	21 (1.4)	
Hungary	21 (1.8)	
Saudi Arabia	20 (1.9)	
United Arab Emirates	19 (1.1)	▼
Thailand	19 (1.7)	▼
Malta	17 (1.6)	▼
Turkey	17 (1.5)	▼
Jordan	17 (1.4)	▼
Qatar	16 (1.8)	▼
England	16 (1.3)	▼
Canada	15 (1.1)	▼
Slovenia	15 (1.7)	▼
New Zealand	15 (1.3)	▼
Australia	14 (1.3)	▼
South Africa (9)	13 (1.1)	▼
Morocco	13 (0.9)	▼
Ireland	13 (1.4)	▼
Norway (9)	12 (1.6)	▼
Botswana (9)	12 (1.2)	▼
Chile	12 (1.7)	▼
Sweden	11 (1.5)	▼
Italy	11 (1.4)	▼
Iran, Islamic Rep. of	9 (1.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	24 (2.9)	
Dubai, UAE	22 (1.5)	
Ontario, Canada	17 (1.6)	▼
Abu Dhabi, UAE	17 (1.9)	▼
Quebec, Canada	14 (1.8)	▼
Norway (8)	13 (1.9)	▼
Buenos Aires, Argentina	8 (1.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_06 (M062351): Identify line with positive slope**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
United States	75 (1.3)	▲
Israel	65 (2.0)	▲
Singapore	62 (1.7)	▲
Bahrain	57 (2.1)	▲
Japan	56 (2.1)	▲
England	51 (2.5)	▲
Ireland	51 (2.1)	▲
Norway (9)	46 (1.9)	▲
New Zealand	41 (1.8)	▲
Korea, Rep. of	41 (2.2)	▲
Australia	40 (1.8)	▲
United Arab Emirates	40 (1.3)	▲
Malaysia	39 (2.1)	▲
Malta	38 (2.1)	▲
Canada	36 (1.8)	
Hungary	34 (2.2)	
Sweden	33 (2.5)	
<b>International Avg.</b>	<b>33 (0.3)</b>	
Qatar	31 (1.6)	
Kazakhstan	30 (2.5)	
Hong Kong SAR	29 (2.3)	
Russian Federation	28 (3.1)	
Turkey	27 (1.9)	▼
Botswana (9)	25 (1.6)	▼
Saudi Arabia	25 (2.3)	▼
Kuwait	24 (2.1)	▼
Egypt	24 (1.5)	▼
Iran, Islamic Rep. of	21 (1.5)	▼
Chile	21 (1.7)	▼
Italy	20 (1.7)	▼
Georgia	20 (2.3)	▼
Chinese Taipei	20 (1.9)	▼
Lithuania	18 (1.9)	▼
Morocco	17 (1.1)	▼
Jordan	17 (1.7)	▼
South Africa (9)	16 (1.4)	▼
Thailand	14 (1.3)	▼
Oman	14 (1.3)	▼
Lebanon	14 (1.7)	▼
Slovenia	10 (1.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	65 (3.9)	▲
Dubai, UAE	43 (2.3)	▲
Ontario, Canada	39 (2.5)	▲
Norway (8)	38 (2.1)	▲
Abu Dhabi, UAE	36 (2.7)	
Quebec, Canada	30 (2.6)	
Buenos Aires, Argentina	15 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_07 (M062223): Expression for perimeter of a pentagon**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	92 (0.9)	▲
Korea, Rep. of	90 (1.2)	▲
Hong Kong SAR	88 (1.6)	▲
Chinese Taipei	88 (1.1)	▲
Japan	81 (1.4)	▲
Sweden	77 (2.2)	▲
Lithuania	76 (2.3)	▲
Russian Federation	75 (1.8)	▲
Canada	75 (1.4)	▲
Slovenia	74 (1.9)	▲
Italy	74 (2.3)	▲
England	73 (2.1)	▲
Israel	72 (1.9)	▲
Hungary	70 (2.0)	▲
Malta	69 (1.8)	▲
United States	69 (1.7)	▲
Kazakhstan	68 (2.4)	▲
Australia	68 (1.7)	▲
Malaysia	68 (1.7)	▲
Norway (9)	67 (2.2)	
New Zealand	65 (1.9)	
Ireland	65 (1.8)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Turkey	62 (2.0)	
Georgia	59 (2.8)	
Lebanon	57 (3.0)	
Bahrain	56 (2.1)	▼
United Arab Emirates	55 (1.3)	▼
Qatar	53 (2.2)	▼
Iran, Islamic Rep. of	52 (2.2)	▼
Botswana (9)	50 (2.0)	▼
Chile	49 (2.2)	▼
Thailand	48 (1.8)	▼
Oman	46 (1.9)	▼
Egypt	45 (1.7)	▼
Jordan	43 (2.2)	▼
Morocco	37 (1.4)	▼
South Africa (9)	34 (1.6)	▼
Saudi Arabia	32 (2.3)	▼
Kuwait	31 (2.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	86 (2.7)	▲
Ontario, Canada	71 (2.0)	▲
Dubai, UAE	69 (2.0)	▲
Florida, US	61 (3.6)	
Norway (8)	53 (2.3)	▼
Abu Dhabi, UAE	50 (2.3)	▼
Buenos Aires, Argentina	36 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_08 (M062027): y-value in table of points on straight line  
Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	76 (1.5)	▲
Japan	69 (1.8)	▲
Singapore	62 (1.8)	▲
United States	61 (2.1)	▲
Korea, Rep. of	61 (2.1)	▲
England	59 (2.4)	▲
Canada	54 (1.7)	▲
Israel	50 (2.3)	▲
Australia	49 (1.6)	▲
Hong Kong SAR	49 (2.7)	▲
Ireland	48 (2.1)	▲
Sweden	48 (2.2)	▲
New Zealand	48 (1.9)	▲
Malta	47 (1.7)	▲
Hungary	43 (2.4)	▲
Norway (9)	42 (2.2)	▲
United Arab Emirates	38 (1.3)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
Kazakhstan	36 (3.0)	
Russian Federation	36 (2.4)	
Malaysia	34 (1.6)	
Lithuania	33 (2.0)	
Turkey	33 (1.9)	▼
Bahrain	32 (2.1)	▼
Qatar	32 (1.9)	▼
Slovenia	27 (1.8)	▼
Oman	25 (1.6)	▼
Thailand	25 (2.1)	▼
Chile	23 (1.8)	▼
Italy	23 (2.1)	▼
South Africa (9)	22 (1.6)	▼
Saudi Arabia	19 (1.8)	▼
Jordan	19 (1.5)	▼
Kuwait	18 (2.0)	▼
Georgia	17 (1.8)	▼
Iran, Islamic Rep. of	16 (1.5)	▼
Egypt	16 (1.2)	▼
Botswana (9)	14 (1.4)	▼
Morocco	13 (1.0)	▼
Lebanon	11 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	62 (2.9)	▲
Florida, US	53 (3.6)	▲
Ontario, Canada	49 (2.2)	▲
Dubai, UAE	48 (2.1)	▲
Abu Dhabi, UAE	34 (2.6)	
Norway (8)	32 (2.1)	▼
Buenos Aires, Argentina	12 (1.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_09 (M062174): Find angle x given rectangle ABCD with diagonal**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	86 (1.2)	▲
Korea, Rep. of	86 (1.4)	▲
Hong Kong SAR	79 (2.0)	▲
Chinese Taipei	78 (1.4)	▲
Japan	77 (1.7)	▲
Russian Federation	59 (2.3)	▲
Kazakhstan	55 (2.7)	▲
Hungary	53 (2.0)	▲
Italy	53 (2.7)	▲
Israel	52 (2.2)	▲
Canada	51 (1.9)	
England	51 (2.1)	
Turkey	50 (2.1)	
Lithuania	49 (2.9)	
Georgia	49 (3.1)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
Malta	47 (2.0)	
Australia	47 (1.8)	
Slovenia	46 (2.5)	
Ireland	46 (2.2)	
Bahrain	45 (1.9)	
Norway (9)	44 (2.3)	
Malaysia	44 (1.8)	▼
Lebanon	43 (2.5)	
New Zealand	43 (1.6)	▼
Iran, Islamic Rep. of	41 (2.0)	▼
Sweden	41 (2.7)	▼
Chile	41 (2.2)	▼
United Arab Emirates	40 (1.1)	▼
United States	38 (1.4)	▼
Morocco	38 (1.4)	▼
Qatar	37 (2.0)	▼
Thailand	36 (2.0)	▼
Oman	35 (1.8)	▼
Egypt	35 (1.9)	▼
Saudi Arabia	33 (2.1)	▼
South Africa (9)	31 (1.4)	▼
Jordan	31 (2.0)	▼
Kuwait	30 (2.5)	▼
Botswana (9)	27 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	62 (3.2)	▲
Dubai, UAE	47 (2.6)	
Ontario, Canada	46 (2.1)	
Florida, US	41 (2.3)	▼
Norway (8)	39 (2.2)	▼
Abu Dhabi, UAE	35 (2.3)	▼
Buenos Aires, Argentina	27 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_10 (M062244): Find coordinates of midpoint of line AB**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	68 (2.0)	▲
Japan	66 (2.0)	▲
Hong Kong SAR	64 (2.4)	▲
Russian Federation	63 (3.0)	▲
Singapore	61 (1.7)	▲
Slovenia	60 (2.2)	▲
Chinese Taipei	59 (1.7)	▲
United States	54 (2.1)	▲
Hungary	54 (2.7)	▲
Kazakhstan	53 (2.6)	▲
Lebanon	53 (2.7)	▲
England	52 (2.3)	▲
Lithuania	48 (2.4)	▲
Canada	46 (1.5)	▲
Italy	39 (2.0)	
Norway (9)	38 (2.2)	
Malta	38 (2.1)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
Ireland	36 (2.3)	
Australia	36 (2.2)	
New Zealand	35 (2.2)	
Israel	32 (1.8)	▼
Qatar	31 (2.0)	▼
United Arab Emirates	31 (1.2)	▼
Sweden	29 (2.4)	▼
Georgia	28 (2.6)	▼
Turkey	27 (1.9)	▼
Thailand	27 (2.2)	▼
Bahrain	27 (1.9)	▼
Morocco	26 (1.3)	▼
Iran, Islamic Rep. of	26 (1.9)	▼
Oman	25 (1.5)	▼
Malaysia	25 (1.3)	▼
Kuwait	16 (2.2)	▼
Jordan	16 (1.4)	▼
Chile	15 (1.6)	▼
Saudi Arabia	15 (1.9)	▼
Egypt	15 (1.3)	▼
Botswana (9)	9 (1.1)	▼
South Africa (9)	6 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	52 (2.7)	▲
Ontario, Canada	44 (2.1)	▲
Dubai, UAE	43 (2.7)	▲
Florida, US	41 (3.0)	
Abu Dhabi, UAE	24 (2.2)	▼
Norway (8)	23 (1.8)	▼
Buenos Aires, Argentina	10 (1.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_11 (M062261): Find side x with 2 similar triangles**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	74 (2.1)	▲
Singapore	54 (1.7)	▲
Hong Kong SAR	51 (2.5)	▲
Chinese Taipei	35 (1.9)	▲
Russian Federation	34 (2.6)	▲
Kazakhstan	33 (3.1)	▲
Japan	31 (1.7)	▲
Bahrain	30 (1.8)	▲
Israel	29 (2.0)	▲
Turkey	24 (1.9)	
<b>International Avg.</b>	<b>20 (0.3)</b>	
Slovenia	20 (2.2)	
Hungary	20 (2.0)	
Georgia	19 (3.0)	
United States	18 (1.3)	
England	17 (1.7)	
Malaysia	17 (1.5)	▼
United Arab Emirates	17 (1.0)	▼
Italy	16 (1.7)	▼
Saudi Arabia	16 (1.7)	▼
Norway (9)	15 (1.7)	▼
Australia	15 (1.2)	▼
Canada	15 (1.3)	▼
New Zealand	14 (1.7)	▼
Oman	14 (1.5)	▼
Malta	14 (1.6)	▼
Iran, Islamic Rep. of	13 (1.2)	▼
Kuwait	13 (1.8)	▼
Thailand	12 (1.5)	▼
Egypt	12 (1.0)	▼
Chile	12 (1.4)	▼
Lithuania	12 (1.7)	▼
Qatar	11 (1.3)	▼
Jordan	11 (1.4)	▼
Lebanon	11 (1.5)	▼
Sweden	11 (1.3)	▼
Morocco	11 (0.9)	▼
Ireland	11 (1.1)	▼
South Africa (9)	8 (0.8)	▼
Botswana (9)	7 (0.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	23 (1.9)	
Norway (8)	18 (1.8)	
Quebec, Canada	17 (2.1)	
Florida, US	16 (2.1)	▼
Ontario, Canada	14 (1.4)	▼
Abu Dhabi, UAE	13 (2.1)	▼
Buenos Aires, Argentina	8 (1.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_12 (M062300): Draw a rectangle given area and perimeter**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	73 (1.8) ▲	86 (1.3) ▲
Chinese Taipei	72 (1.5) ▲	80 (1.3) ▲
Singapore	71 (1.8) ▲	81 (1.5) ▲
Hong Kong SAR	66 (2.1) ▲	77 (1.9) ▲
Japan	60 (2.2) ▲	77 (1.9) ▲
Russian Federation	47 (2.6) ▲	59 (2.3) ▲
Israel	45 (2.0) ▲	59 (2.3) ▲
Canada	44 (1.5) ▲	64 (1.6) ▲
Sweden	43 (2.6) ▲	60 (2.4) ▲
Kazakhstan	41 (3.0) ▲	53 (3.0) ▲
England	40 (2.5) ▲	58 (2.4) ▲
Italy	37 (2.2) ▲	56 (2.2) ▲
Lithuania	36 (2.1) ▲	51 (2.3) ▲
United States	36 (1.9) ▲	58 (1.7) ▲
Ireland	34 (2.2) ▲	54 (2.1) ▲
Norway (9)	31 (2.2)	48 (2.4)
Australia	31 (1.7)	51 (1.9) ▲
<b>International Avg.</b>	<b>30 (0.3)</b>	<b>44 (0.3)</b>
New Zealand	28 (1.8)	45 (2.2)
Malta	27 (1.7)	44 (2.0)
Turkey	27 (2.0)	45 (2.1)
Slovenia	27 (2.0)	52 (2.3) ▲
Georgia	26 (2.4)	38 (2.6) ▼
United Arab Emirates	24 (1.2) ▼	36 (1.3) ▼
Hungary	21 (1.8) ▼	43 (2.3)
Iran, Islamic Rep. of	21 (1.9) ▼	33 (2.1) ▼
Malaysia	19 (1.6) ▼	37 (1.9) ▼
Qatar	18 (1.7) ▼	31 (2.2) ▼
Egypt	16 (1.6) ▼	24 (1.6) ▼
Thailand	16 (1.6) ▼	31 (2.0) ▼
Oman	13 (1.1) ▼	25 (1.2) ▼
Chile	13 (1.3) ▼	22 (1.6) ▼
Morocco	11 (1.2) ▼	23 (1.5) ▼
Lebanon	10 (1.4) ▼	20 (2.1) ▼
Kuwait	10 (1.7) ▼	18 (2.1) ▼
Bahrain	10 (1.0) ▼	24 (1.5) ▼
Botswana (9)	7 (1.0) ▼	16 (1.2) ▼
South Africa (9)	7 (1.0) ▼	14 (1.2) ▼
Jordan	6 (1.1) ▼	15 (1.5) ▼
Saudi Arabia	5 (0.9) ▼	13 (1.4) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	51 (2.9) ▲	71 (3.3) ▲
Ontario, Canada	42 (2.0) ▲	62 (1.9) ▲
Dubai, UAE	38 (2.5) ▲	51 (2.3) ▲
Florida, US	25 (2.7)	42 (3.0)
Norway (8)	23 (1.8) ▼	39 (2.2) ▼
Abu Dhabi, UAE	17 (2.2) ▼	30 (2.3) ▼
Buenos Aires, Argentina	4 (1.3) ▼	9 (1.8) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_13 (M062254): Characteristics of test scores from dot plots**  
**Constructed Response (1 Point)**

Country	Percent Correct	
England	43 (2.3)	▲
Hong Kong SAR	39 (2.1)	▲
Norway (9)	38 (2.6)	▲
Slovenia	36 (2.4)	▲
Singapore	36 (1.7)	▲
Chinese Taipei	35 (1.8)	▲
Canada	34 (1.6)	▲
Japan	32 (1.9)	▲
Korea, Rep. of	26 (1.9)	▲
New Zealand	25 (1.7)	▲
United States	25 (1.5)	▲
Malta	19 (1.7)	
Ireland	19 (1.5)	
Turkey	18 (1.6)	
Israel	17 (1.3)	
<b>International Avg.</b>	<b>17 (0.2)</b>	
Jordan	17 (1.4)	
Sweden	17 (1.6)	
Thailand	16 (1.4)	
Hungary	14 (1.5)	
United Arab Emirates	14 (0.9)	▼
Russian Federation	13 (1.7)	▼
Bahrain	13 (1.4)	▼
Qatar	12 (1.6)	▼
Saudi Arabia	12 (1.9)	▼
Malaysia	11 (1.1)	▼
South Africa (9)	10 (1.1)	▼
Kazakhstan	10 (1.3)	▼
Australia	10 (1.1)	▼
Oman	10 (1.0)	▼
Iran, Islamic Rep. of	9 (1.3)	▼
Lithuania	8 (1.4)	▼
Chile	7 (1.3)	▼
Georgia	7 (1.5)	▼
Lebanon	6 (1.5)	▼
Kuwait	5 (1.5)	▼
Italy	4 (0.8)	▼
Botswana (9)	4 (0.8)	▼
Egypt	3 (0.6)	▼
Morocco	1 (0.2)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	38 (2.0)	▲
Norway (8)	28 (1.8)	▲
Quebec, Canada	27 (2.4)	▲
Dubai, UAE	21 (1.6)	▲
Florida, US	13 (2.3)	
Abu Dhabi, UAE	11 (1.6)	▼
Buenos Aires, Argentina	3 (0.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_14A (M062132A): Mobile phone factory - number faulty in a batch**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	89 (1.3)	▲
Singapore	88 (1.3)	▲
Japan	87 (1.5)	▲
Chinese Taipei	86 (1.1)	▲
Hong Kong SAR	85 (1.6)	▲
Hungary	78 (2.2)	▲
England	74 (2.1)	▲
Lithuania	74 (2.3)	▲
Ireland	74 (2.1)	▲
Russian Federation	73 (2.0)	▲
Canada	73 (1.7)	▲
Norway (9)	70 (2.0)	▲
Slovenia	70 (2.2)	▲
Australia	68 (2.0)	▲
Sweden	68 (2.0)	▲
Italy	66 (2.2)	▲
United States	65 (1.5)	▲
Malta	64 (2.0)	▲
New Zealand	64 (1.6)	▲
Israel	64 (2.0)	▲
Kazakhstan	63 (2.5)	▲
Turkey	59 (1.8)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Georgia	54 (2.7)	
Chile	54 (2.2)	
Thailand	54 (2.1)	
United Arab Emirates	46 (1.6)	▼
Iran, Islamic Rep. of	42 (2.2)	▼
Malaysia	40 (1.6)	▼
Qatar	39 (2.4)	▼
Lebanon	37 (2.8)	▼
Bahrain	34 (2.1)	▼
Jordan	34 (1.4)	▼
Oman	27 (1.4)	▼
Morocco	26 (1.3)	▼
Botswana (9)	24 (1.4)	▼
Saudi Arabia	23 (2.3)	▼
Egypt	23 (1.8)	▼
South Africa (9)	23 (1.5)	▼
Kuwait	22 (2.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	80 (4.0)	▲
Ontario, Canada	70 (1.8)	▲
Norway (8)	69 (2.3)	▲
Dubai, UAE	61 (2.5)	
Florida, US	53 (3.8)	
Buenos Aires, Argentina	38 (3.0)	▼
Abu Dhabi, UAE	36 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M08\_14B (M062132B): Mobile phone factory - expected vs. actual faulty**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Chinese Taipei	76 (1.6)	▲
Korea, Rep. of	74 (1.6)	▲
Japan	72 (1.8)	▲
Hong Kong SAR	70 (2.2)	▲
Singapore	66 (1.7)	▲
Hungary	65 (2.2)	▲
England	58 (2.3)	▲
Canada	58 (1.7)	▲
Ireland	57 (2.1)	▲
Australia	54 (1.7)	▲
Norway (9)	53 (2.1)	▲
New Zealand	52 (1.8)	▲
Sweden	51 (2.4)	▲
Russian Federation	51 (2.5)	▲
United States	49 (1.7)	▲
Israel	49 (1.9)	▲
Slovenia	47 (2.1)	
Lithuania	45 (3.0)	
Italy	45 (2.1)	
Malta	45 (2.0)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Kazakhstan	42 (2.4)	
United Arab Emirates	40 (1.2)	▼
Turkey	40 (2.2)	▼
Chile	37 (2.3)	▼
Georgia	37 (2.2)	▼
Qatar	36 (2.3)	▼
Kuwait	36 (2.3)	▼
Thailand	36 (2.1)	▼
Iran, Islamic Rep. of	35 (1.9)	▼
Bahrain	31 (2.1)	▼
Oman	30 (1.4)	▼
Saudi Arabia	30 (2.3)	▼
Egypt	28 (1.6)	▼
Malaysia	27 (1.6)	▼
South Africa (9)	27 (1.3)	▼
Morocco	26 (1.4)	▼
Jordan	25 (1.6)	▼
Botswana (9)	23 (1.5)	▼
Lebanon	16 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	60 (3.0)	▲
Ontario, Canada	56 (2.2)	▲
Norway (8)	49 (2.2)	▲
Dubai, UAE	45 (2.3)	
Florida, US	44 (2.6)	
Abu Dhabi, UAE	36 (2.0)	▼
Buenos Aires, Argentina	34 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_01 (M052413): Solve given numeric expression**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	95 (0.7)	▲
Hong Kong SAR	92 (1.0)	▲
Malaysia	91 (1.4)	▲
Japan	87 (1.3)	▲
Chinese Taipei	82 (1.7)	▲
Russian Federation	82 (1.8)	▲
Ireland	81 (1.6)	▲
Korea, Rep. of	80 (1.6)	▲
Israel	80 (1.7)	▲
United States	78 (1.2)	▲
United Arab Emirates	76 (1.1)	▲
Kazakhstan	76 (1.8)	▲
Malta	75 (1.7)	▲
Slovenia	72 (2.1)	▲
Lithuania	69 (2.6)	▲
Canada	68 (1.9)	▲
Hungary	67 (2.4)	
Australia	67 (1.8)	
International Avg.	64 (0.3)	
England	62 (2.5)	
Italy	62 (2.2)	
Bahrain	62 (1.7)	
Botswana (9)	62 (2.2)	
South Africa (9)	61 (2.5)	
Oman	60 (1.6)	▼
Egypt	59 (1.8)	▼
New Zealand	59 (1.8)	▼
Iran, Islamic Rep. of	58 (2.2)	▼
Lebanon	55 (2.4)	▼
Georgia	55 (2.8)	▼
Kuwait	52 (2.7)	▼
Chile	48 (2.4)	▼
Norway (9)	45 (2.7)	▼
Turkey	44 (2.1)	▼
Morocco	42 (1.4)	▼
Jordan	41 (2.2)	▼
Qatar	40 (2.1)	▼
Thailand	40 (2.6)	▼
Saudi Arabia	35 (2.5)	▼
Sweden	27 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	82 (2.5)	▲
Dubai, UAE	80 (2.0)	▲
Abu Dhabi, UAE	76 (2.2)	▲
Florida, US	67 (3.9)	
Ontario, Canada	63 (2.3)	
Buenos Aires, Argentina	46 (2.4)	▼
Norway (8)	29 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_02 (M052134): How much hotter is city A than B**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Hong Kong SAR	89 (1.5)	▲
Singapore	89 (1.1)	▲
Norway (9)	88 (1.4)	▲
Slovenia	87 (1.3)	▲
Chinese Taipei	86 (1.2)	▲
England	85 (1.7)	▲
Sweden	84 (1.7)	▲
Ireland	83 (1.6)	▲
Japan	83 (1.5)	▲
Korea, Rep. of	81 (1.6)	▲
Hungary	80 (2.1)	▲
Canada	80 (1.4)	▲
Australia	79 (1.7)	▲
United States	77 (1.3)	▲
Russian Federation	76 (2.2)	▲
New Zealand	74 (1.7)	▲
Israel	73 (1.7)	▲
Lithuania	73 (2.0)	▲
Malta	70 (1.8)	▲
Italy	66 (2.3)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
United Arab Emirates	60 (1.3)	▼
Chile	59 (2.2)	
Kazakhstan	58 (2.7)	▼
Georgia	58 (3.0)	
Bahrain	57 (1.8)	▼
Malaysia	54 (1.8)	▼
Botswana (9)	53 (1.9)	▼
Turkey	52 (2.2)	▼
Qatar	47 (2.2)	▼
Oman	45 (1.6)	▼
Iran, Islamic Rep. of	40 (2.1)	▼
Egypt	40 (2.0)	▼
Kuwait	38 (2.2)	▼
South Africa (9)	38 (1.6)	▼
Jordan	37 (1.9)	▼
Thailand	34 (2.1)	▼
Saudi Arabia	31 (2.5)	▼
Morocco	29 (1.3)	▼
Lebanon	28 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.6)	▲
Norway (8)	81 (1.6)	▲
Ontario, Canada	77 (2.1)	▲
Florida, US	70 (2.9)	▲
Dubai, UAE	68 (2.4)	
Abu Dhabi, UAE	58 (2.0)	▼
Buenos Aires, Argentina	51 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_03 (M052078): Percentage of money John saves**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	79 (1.7)	▲
Hong Kong SAR	63 (2.2)	▲
Korea, Rep. of	60 (2.1)	▲
Chinese Taipei	56 (1.7)	▲
Japan	53 (2.1)	▲
Russian Federation	51 (2.2)	▲
Ireland	49 (2.1)	▲
Australia	48 (1.8)	▲
Norway (9)	47 (2.3)	▲
Kazakhstan	46 (2.9)	▲
Hungary	46 (2.2)	▲
England	45 (2.1)	▲
New Zealand	45 (2.4)	▲
Sweden	44 (2.6)	▲
Lithuania	44 (2.2)	▲
Canada	44 (1.7)	▲
Slovenia	43 (2.4)	
Italy	42 (2.2)	
United States	41 (1.6)	
Israel	40 (1.9)	
<b>International Avg.</b>	<b>39 (0.3)</b>	
Malaysia	38 (1.7)	
Chile	38 (1.9)	
Turkey	37 (1.8)	
Malta	34 (1.7)	▼
Georgia	34 (2.5)	▼
United Arab Emirates	33 (1.3)	▼
Thailand	32 (2.1)	▼
Qatar	32 (1.7)	▼
Iran, Islamic Rep. of	28 (1.8)	▼
Egypt	28 (1.5)	▼
Kuwait	27 (2.1)	▼
Botswana (9)	26 (1.6)	▼
Saudi Arabia	25 (2.1)	▼
Bahrain	25 (1.7)	▼
Oman	23 (1.5)	▼
Jordan	23 (1.9)	▼
South Africa (9)	22 (1.3)	▼
Morocco	20 (1.3)	▼
Lebanon	14 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	48 (2.6)	▲
Norway (8)	43 (2.5)	
Dubai, UAE	43 (2.3)	
Ontario, Canada	41 (2.2)	
Florida, US	41 (2.3)	
Abu Dhabi, UAE	32 (2.0)	▼
Buenos Aires, Argentina	28 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_04 (M052034): Fraction wanting to go on a trip**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	88 (1.0)	▲
Hong Kong SAR	77 (2.3)	▲
Korea, Rep. of	75 (1.8)	▲
Chinese Taipei	70 (1.5)	▲
Japan	68 (2.0)	▲
Ireland	63 (2.1)	▲
Canada	62 (1.4)	▲
Norway (9)	62 (2.2)	▲
Israel	61 (1.7)	▲
Slovenia	61 (2.2)	▲
Sweden	57 (2.5)	▲
Australia	57 (2.0)	▲
Malta	56 (2.0)	▲
New Zealand	56 (2.0)	▲
Malaysia	55 (1.9)	▲
Kazakhstan	55 (3.3)	
England	54 (2.2)	
United States	53 (1.5)	
Russian Federation	52 (2.9)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Bahrain	51 (2.2)	
Hungary	50 (2.8)	
Iran, Islamic Rep. of	49 (2.2)	
United Arab Emirates	49 (1.2)	▼
Turkey	48 (2.1)	
Lithuania	48 (2.5)	
Italy	46 (2.2)	▼
Chile	44 (2.3)	▼
Jordan	44 (2.2)	▼
Oman	42 (1.7)	▼
Qatar	41 (1.8)	▼
Kuwait	40 (2.1)	▼
Botswana (9)	39 (1.6)	▼
Georgia	38 (2.7)	▼
Egypt	37 (1.8)	▼
Saudi Arabia	37 (2.0)	▼
Morocco	36 (1.4)	▼
South Africa (9)	35 (1.6)	▼
Thailand	33 (2.0)	▼
Lebanon	27 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	70 (2.3)	▲
Ontario, Canada	59 (2.0)	▲
Dubai, UAE	57 (2.3)	▲
Norway (8)	53 (2.2)	
Abu Dhabi, UAE	48 (2.2)	
Florida, US	47 (4.0)	
Buenos Aires, Argentina	44 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_05A (M052174A): How many kilocalories used**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	81 (1.4)	▲
Hong Kong SAR	79 (1.9)	▲
Singapore	79 (1.4)	▲
Chinese Taipei	77 (1.5)	▲
Japan	74 (1.8)	▲
Russian Federation	65 (2.1)	▲
Norway (9)	65 (2.3)	▲
Ireland	61 (2.3)	▲
Canada	59 (1.7)	▲
Sweden	58 (2.5)	▲
Lithuania	58 (2.1)	▲
England	57 (2.2)	▲
Slovenia	56 (2.3)	▲
Hungary	53 (2.2)	▲
Israel	53 (1.9)	▲
Australia	52 (2.0)	▲
New Zealand	48 (1.8)	▲
United States	47 (1.9)	▲
Malta	46 (1.7)	
Italy	46 (2.3)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Kazakhstan	41 (3.1)	
Chile	41 (2.3)	
Turkey	37 (2.2)	▼
Malaysia	36 (1.8)	▼
Georgia	36 (2.7)	▼
Thailand	35 (2.1)	▼
United Arab Emirates	31 (1.3)	▼
Iran, Islamic Rep. of	26 (1.7)	▼
Qatar	26 (1.8)	▼
Lebanon	25 (2.6)	▼
Bahrain	21 (1.6)	▼
Jordan	19 (1.8)	▼
Oman	19 (1.1)	▼
Egypt	13 (1.2)	▼
Morocco	12 (0.9)	▼
Kuwait	12 (1.8)	▼
South Africa (9)	11 (1.3)	▼
Saudi Arabia	10 (1.5)	▼
Botswana (9)	10 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	69 (3.4)	▲
Ontario, Canada	55 (2.3)	▲
Norway (8)	50 (2.2)	▲
Florida, US	43 (2.6)	
Dubai, UAE	43 (1.8)	
Buenos Aires, Argentina	29 (2.3)	▼
Abu Dhabi, UAE	26 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_05B (M052174B): How many minutes of soccer played**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	70 (2.0)	▲
Japan	58 (2.2)	▲
Chinese Taipei	56 (2.0)	▲
Singapore	56 (1.5)	▲
Hong Kong SAR	47 (2.3)	▲
Norway (9)	37 (2.9)	▲
Slovenia	31 (2.2)	▲
Canada	31 (1.6)	▲
Israel	29 (1.9)	▲
England	29 (1.9)	▲
United States	28 (1.5)	▲
Sweden	28 (2.5)	▲
Russian Federation	27 (2.4)	▲
New Zealand	26 (1.5)	▲
Lithuania	26 (2.0)	▲
Kazakhstan	26 (2.9)	
Hungary	26 (2.0)	
Australia	25 (1.6)	
<b>International Avg.</b>	<b>22 (0.3)</b>	
Ireland	21 (1.6)	
Thailand	20 (1.8)	
Italy	19 (2.2)	
Malta	17 (1.3)	▼
Chile	16 (1.4)	▼
Georgia	14 (1.8)	▼
Malaysia	13 (1.0)	▼
Turkey	12 (1.6)	▼
United Arab Emirates	11 (0.9)	▼
Qatar	11 (1.2)	▼
Kuwait	7 (1.2)	▼
Bahrain	7 (1.0)	▼
Iran, Islamic Rep. of	6 (1.0)	▼
Lebanon	6 (1.3)	▼
Oman	5 (0.7)	▼
Saudi Arabia	4 (1.0)	▼
South Africa (9)	4 (0.7)	▼
Jordan	4 (0.8)	▼
Egypt	3 (0.5)	▼
Botswana (9)	3 (0.5)	▼
Morocco	2 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	38 (3.3)	▲
Ontario, Canada	27 (1.9)	▲
Florida, US	24 (2.3)	
Norway (8)	23 (1.6)	
Dubai, UAE	17 (1.7)	▼
Abu Dhabi, UAE	9 (1.4)	▼
Buenos Aires, Argentina	8 (1.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_06 (M052130): Equivalent algebraic expression**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	74 (1.6)	▲
Japan	73 (1.6)	▲
Korea, Rep. of	69 (2.0)	▲
Chinese Taipei	65 (2.2)	▲
Hong Kong SAR	65 (2.3)	▲
Lebanon	63 (2.8)	▲
Russian Federation	60 (2.4)	▲
Kazakhstan	55 (2.8)	▲
Israel	49 (1.8)	▲
Hungary	44 (2.7)	▲
Malta	41 (2.0)	▲
Ireland	38 (2.3)	
Bahrain	36 (2.0)	
International Avg.	35 (0.3)	
United States	35 (1.6)	
Qatar	35 (1.9)	
Lithuania	34 (2.5)	
United Arab Emirates	34 (1.2)	
Iran, Islamic Rep. of	34 (2.2)	
Italy	34 (3.0)	
Georgia	33 (2.7)	
Turkey	28 (2.2)	▼
Egypt	27 (1.4)	▼
Oman	27 (1.6)	▼
Malaysia	27 (1.5)	▼
Morocco	25 (1.5)	▼
Jordan	25 (1.8)	▼
Norway (9)	25 (2.0)	▼
Canada	24 (1.4)	▼
England	23 (1.8)	▼
Slovenia	23 (2.0)	▼
Sweden	22 (2.2)	▼
Kuwait	21 (1.9)	▼
Thailand	21 (1.6)	▼
South Africa (9)	20 (1.4)	▼
Australia	20 (1.6)	▼
New Zealand	15 (1.4)	▼
Saudi Arabia	14 (1.5)	▼
Botswana (9)	12 (1.1)	▼
Chile	11 (1.6)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	43 (1.9)	▲
Quebec, Canada	38 (3.2)	
Florida, US	34 (3.8)	
Abu Dhabi, UAE	32 (2.1)	
Ontario, Canada	19 (1.6)	▼
Norway (8)	14 (1.4)	▼
Buenos Aires, Argentina	13 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_07 (M052073): Value of fractional expression**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	87 (1.2)	▲
Hong Kong SAR	81 (2.2)	▲
Korea, Rep. of	80 (1.6)	▲
Chinese Taipei	78 (1.8)	▲
Japan	77 (1.7)	▲
Russian Federation	68 (2.5)	▲
Kazakhstan	62 (2.9)	▲
United States	58 (1.6)	▲
Bahrain	57 (1.7)	▲
Ireland	57 (2.2)	▲
Lebanon	55 (2.6)	▲
Malta	53 (2.1)	▲
Israel	50 (1.6)	▲
Slovenia	50 (2.5)	
Lithuania	49 (2.7)	
United Arab Emirates	49 (1.5)	▲
Hungary	48 (2.4)	
Malaysia	47 (1.8)	
<b>International Avg.</b>	<b>46 (0.3)</b>	
Egypt	44 (2.1)	
Italy	39 (2.4)	▼
Australia	39 (2.2)	▼
Georgia	39 (2.8)	▼
England	38 (1.8)	▼
Canada	36 (1.6)	▼
Qatar	36 (2.2)	▼
Sweden	35 (2.6)	▼
Iran, Islamic Rep. of	34 (2.2)	▼
Turkey	34 (2.2)	▼
Norway (9)	34 (2.1)	▼
Kuwait	33 (2.4)	▼
Oman	33 (1.4)	▼
New Zealand	32 (1.8)	▼
Jordan	32 (1.9)	▼
South Africa (9)	28 (1.8)	▼
Thailand	25 (1.8)	▼
Botswana (9)	24 (1.7)	▼
Saudi Arabia	23 (2.0)	▼
Morocco	21 (1.3)	▼
Chile	20 (1.8)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	55 (2.4)	▲
Quebec, Canada	52 (3.0)	▲
Abu Dhabi, UAE	47 (2.5)	
Florida, US	43 (2.5)	
Ontario, Canada	29 (1.9)	▼
Norway (8)	21 (2.1)	▼
Buenos Aires, Argentina	11 (1.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_08 (M052110): Convert Celsius into Fahrenheit**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	73 (1.9)	▲
Korea, Rep. of	72 (1.7)	▲
Singapore	71 (1.8)	▲
Hong Kong SAR	69 (2.3)	▲
Japan	57 (2.1)	▲
United States	52 (1.7)	▲
Russian Federation	52 (2.8)	▲
Kazakhstan	51 (3.1)	▲
Canada	37 (2.1)	▲
United Arab Emirates	37 (1.2)	▲
Malta	36 (1.7)	▲
Lithuania	36 (2.6)	▲
Israel	33 (1.8)	
Qatar	33 (2.7)	
Australia	31 (1.9)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
England	28 (2.5)	
Ireland	28 (2.0)	
Hungary	26 (2.0)	
Italy	25 (2.2)	
New Zealand	25 (1.8)	▼
Oman	25 (1.6)	▼
Lebanon	24 (2.6)	▼
Georgia	24 (2.6)	▼
Malaysia	20 (1.5)	▼
Norway (9)	18 (1.9)	▼
Jordan	16 (1.8)	▼
Bahrain	16 (1.2)	▼
Slovenia	16 (1.6)	▼
Sweden	15 (1.5)	▼
Thailand	14 (2.0)	▼
Iran, Islamic Rep. of	14 (1.6)	▼
Egypt	13 (1.3)	▼
Turkey	13 (1.5)	▼
Botswana (9)	12 (1.2)	▼
South Africa (9)	10 (1.3)	▼
Saudi Arabia	10 (1.9)	▼
Kuwait	8 (1.2)	▼
Chile	6 (0.9)	▼
Morocco	5 (0.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	49 (2.1)	▲
Quebec, Canada	43 (3.0)	▲
Florida, US	43 (3.6)	▲
Ontario, Canada	34 (2.5)	
Abu Dhabi, UAE	30 (2.3)	
Norway (8)	7 (1.2)	▼
Buenos Aires, Argentina	5 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_09 (M052105): Which slope has a greater value**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	56 (1.7)	▲
Korea, Rep. of	46 (2.1)	▲
Singapore	38 (1.8)	▲
Chinese Taipei	34 (1.8)	▲
Kazakhstan	31 (2.6)	▲
United States	31 (1.6)	▲
England	29 (2.3)	▲
Israel	26 (1.8)	▲
Norway (9)	22 (1.8)	▲
Malta	18 (1.5)	▲
Hungary	16 (1.7)	
Australia	16 (1.5)	▲
Ireland	15 (1.8)	
Slovenia	14 (1.8)	
Hong Kong SAR	14 (1.6)	
<b>International Avg.</b>	<b>13 (0.2)</b>	
Sweden	12 (1.6)	
New Zealand	11 (1.4)	
Russian Federation	10 (1.9)	
Turkey	10 (1.2)	▼
Canada	9 (0.9)	▼
United Arab Emirates	8 (0.9)	▼
Bahrain	7 (1.1)	▼
Qatar	6 (0.8)	▼
Malaysia	5 (0.7)	▼
Lithuania	5 (1.3)	▼
Kuwait	4 (1.3)	▼
Jordan	3 (0.7)	▼
Saudi Arabia	3 (1.0)	▼
Lebanon	3 (0.9)	▼
South Africa (9)	3 (0.7)	▼
Oman	2 (0.5)	▼
Egypt	2 (0.5)	▼
Georgia	2 (0.6)	▼
Thailand	2 (0.6)	▼
Italy	2 (0.5)	▼
Chile	1 (0.5)	▼
Iran, Islamic Rep. of	1 (0.4)	▼
Morocco	1 (0.3)	▼
Botswana (9)	0 (0.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	18 (2.6)	
Dubai, UAE	14 (1.5)	
Norway (8)	11 (1.5)	
Ontario, Canada	11 (1.3)	▼
Quebec, Canada	7 (1.5)	▼
Abu Dhabi, UAE	6 (1.4)	▼
Buenos Aires, Argentina	2 (0.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_10 (M052407): What is the value of angle a**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	94 (1.0)	▲
Japan	92 (1.1)	▲
Singapore	85 (1.4)	▲
Chinese Taipei	85 (1.6)	▲
Hong Kong SAR	82 (1.7)	▲
Slovenia	76 (1.8)	▲
Iran, Islamic Rep. of	73 (1.9)	▲
Kazakhstan	72 (2.6)	▲
Norway (9)	71 (2.4)	▲
Hungary	70 (2.5)	▲
Russian Federation	70 (2.5)	▲
Lithuania	70 (2.3)	▲
Canada	68 (1.7)	▲
United States	65 (1.5)	▲
Ireland	64 (2.2)	
Georgia	64 (2.9)	
England	62 (2.1)	
<b>International Avg.</b>	<b>62 (0.3)</b>	
Botswana (9)	61 (1.9)	
Italy	60 (2.6)	
Bahrain	58 (2.1)	
Israel	58 (2.0)	▼
Sweden	58 (2.8)	
Australia	56 (1.9)	▼
United Arab Emirates	54 (1.2)	▼
Thailand	54 (1.8)	▼
Malaysia	53 (1.9)	▼
Oman	52 (2.0)	▼
Jordan	52 (2.4)	▼
Turkey	52 (2.1)	▼
Morocco	52 (1.5)	▼
New Zealand	51 (2.4)	▼
Qatar	49 (2.3)	▼
Malta	49 (2.2)	▼
Chile	48 (2.0)	▼
Egypt	48 (2.0)	▼
Lebanon	47 (2.6)	▼
South Africa (9)	45 (1.6)	▼
Saudi Arabia	43 (2.2)	▼
Kuwait	40 (2.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	78 (2.7)	▲
Norway (8)	68 (1.9)	▲
Ontario, Canada	67 (2.2)	▲
Dubai, UAE	58 (2.1)	
Florida, US	54 (3.2)	▼
Abu Dhabi, UAE	53 (2.7)	▼
Buenos Aires, Argentina	46 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_11 (M052036): Draw an angle ABC of 135 degrees**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	73 (1.8)	▲
Chinese Taipei	71 (1.7)	▲
Singapore	68 (1.5)	▲
Japan	65 (2.0)	▲
Hong Kong SAR	58 (2.4)	▲
Lebanon	53 (2.8)	▲
Kazakhstan	51 (3.6)	▲
Russian Federation	49 (2.3)	▲
Canada	49 (1.6)	▲
Slovenia	49 (2.0)	▲
Lithuania	46 (2.6)	▲
Israel	44 (1.9)	▲
England	42 (2.3)	
Oman	42 (1.7)	
Malta	41 (1.7)	
Italy	40 (2.1)	
Ireland	40 (1.9)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
United Arab Emirates	38 (1.4)	
Australia	38 (2.1)	
United States	38 (1.6)	
Georgia	36 (2.6)	
Jordan	36 (1.9)	
Hungary	35 (2.1)	▼
New Zealand	34 (1.7)	▼
Norway (9)	34 (2.5)	▼
Turkey	33 (1.9)	▼
Kuwait	31 (2.6)	▼
Chile	31 (2.4)	▼
Malaysia	31 (1.6)	▼
Egypt	30 (2.0)	▼
Sweden	30 (2.3)	▼
Iran, Islamic Rep. of	30 (2.2)	▼
Qatar	30 (1.9)	▼
Bahrain	30 (1.8)	▼
Thailand	27 (2.1)	▼
Morocco	24 (1.0)	▼
Botswana (9)	24 (1.5)	▼
Saudi Arabia	18 (2.0)	▼
South Africa (9)	16 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	51 (2.9)	▲
Ontario, Canada	49 (1.7)	▲
Dubai, UAE	49 (2.1)	▲
Norway (8)	33 (1.8)	▼
Abu Dhabi, UAE	32 (2.8)	▼
Florida, US	32 (2.8)	▼
Buenos Aires, Argentina	22 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_12 (M052502): Store with lowest price per pair**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	90 (1.1)	▲
Hong Kong SAR	87 (1.6)	▲
Chinese Taipei	85 (1.4)	▲
Korea, Rep. of	85 (1.4)	▲
Lithuania	81 (1.9)	▲
Japan	80 (1.6)	▲
Slovenia	77 (2.0)	▲
Ireland	77 (1.8)	▲
Canada	76 (1.5)	▲
Norway (9)	74 (1.9)	▲
Russian Federation	73 (2.0)	▲
Hungary	71 (2.2)	▲
Kazakhstan	70 (2.2)	▲
England	70 (2.2)	▲
United States	70 (1.6)	▲
Sweden	69 (2.3)	▲
Italy	69 (2.1)	▲
Malaysia	68 (1.9)	▲
Malta	65 (1.8)	▲
Australia	64 (1.9)	▲
Israel	64 (2.0)	▲
New Zealand	63 (1.8)	▲
<b>International Avg.</b>	<b>57 (0.3)</b>	
Georgia	52 (2.3)	▼
United Arab Emirates	51 (1.3)	▼
Turkey	50 (2.0)	▼
Lebanon	48 (2.7)	▼
Thailand	44 (2.3)	▼
Qatar	44 (1.9)	▼
Botswana (9)	40 (1.7)	▼
Iran, Islamic Rep. of	35 (1.9)	▼
Chile	33 (2.1)	▼
Bahrain	33 (1.6)	▼
South Africa (9)	31 (1.9)	▼
Oman	29 (1.4)	▼
Morocco	27 (1.3)	▼
Kuwait	24 (2.0)	▼
Jordan	24 (1.8)	▼
Egypt	19 (1.6)	▼
Saudi Arabia	3 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (1.9)	▲
Ontario, Canada	71 (2.1)	▲
Dubai, UAE	66 (1.8)	▲
Norway (8)	62 (2.2)	▲
Florida, US	60 (3.6)	
Abu Dhabi, UAE	44 (2.1)	▼
Buenos Aires, Argentina	34 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_13 (M052117): Is Jesse's bar graph correct**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Canada	33 (1.8)	▲
England	33 (2.3)	▲
Kazakhstan	31 (1.8)	▲
New Zealand	26 (1.6)	▲
Hong Kong SAR	24 (2.3)	▲
Chinese Taipei	24 (1.4)	▲
Saudi Arabia	24 (2.1)	▲
Singapore	24 (1.5)	▲
Ireland	21 (1.6)	▲
Australia	20 (1.3)	▲
Slovenia	18 (1.9)	▲
Norway (9)	18 (1.7)	▲
United Arab Emirates	18 (1.2)	▲
Sweden	18 (2.0)	
Japan	17 (1.5)	▲
Lithuania	15 (1.7)	
International Avg.	14 (0.2)	
Malta	14 (1.2)	
Italy	14 (1.4)	
United States	13 (1.2)	
Korea, Rep. of	13 (1.6)	
Iran, Islamic Rep. of	11 (1.3)	▼
Kuwait	11 (1.6)	▼
Lebanon	11 (1.6)	▼
Malaysia	10 (0.9)	▼
Hungary	10 (1.2)	▼
Israel	10 (1.1)	▼
Qatar	10 (1.2)	▼
Chile	10 (1.4)	▼
Bahrain	9 (1.1)	▼
Oman	8 (0.9)	▼
Thailand	7 (1.1)	▼
Morocco	5 (0.6)	▼
Russian Federation	5 (0.8)	▼
Jordan	4 (0.7)	▼
Botswana (9)	4 (0.6)	▼
Georgia	3 (1.0)	▼
South Africa (9)	3 (0.5)	▼
Turkey	2 (0.6)	▼
Egypt	2 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	39 (3.7)	▲
Ontario, Canada	30 (2.3)	▲
Dubai, UAE	24 (1.9)	▲
Norway (8)	16 (1.7)	
Abu Dhabi, UAE	15 (2.4)	
Florida, US	10 (2.0)	▼
Buenos Aires, Argentina	8 (1.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M09\_14 (M052426): Number of goals of 4 soccer teams**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Chinese Taipei	91 (1.0)	▲
Korea, Rep. of	91 (1.0)	▲
Singapore	90 (1.1)	▲
Japan	89 (1.3)	▲
Hong Kong SAR	87 (1.4)	▲
Lithuania	85 (1.8)	▲
Hungary	85 (1.9)	▲
Kazakhstan	84 (1.7)	▲
Russian Federation	83 (1.8)	▲
Slovenia	81 (1.8)	▲
Ireland	81 (1.8)	▲
Malaysia	81 (1.3)	▲
Italy	80 (1.9)	▲
Australia	79 (1.6)	▲
New Zealand	78 (1.2)	▲
Norway (9)	78 (1.7)	▲
Sweden	77 (1.9)	▲
Canada	77 (1.3)	▲
Bahrain	77 (1.6)	▲
Malta	75 (1.7)	
United States	75 (1.8)	
Thailand	75 (1.8)	
England	75 (2.0)	
Turkey	74 (1.8)	
<b>International Avg.</b>	<b>73 (0.3)</b>	
Israel	71 (1.9)	
Chile	69 (2.3)	
United Arab Emirates	68 (1.4)	▼
Georgia	65 (2.6)	▼
Lebanon	64 (2.2)	▼
Qatar	63 (2.0)	▼
Botswana (9)	59 (1.7)	▼
Iran, Islamic Rep. of	58 (2.0)	▼
Morocco	57 (1.3)	▼
Oman	57 (1.7)	▼
South Africa (9)	55 (1.6)	▼
Jordan	53 (2.0)	▼
Kuwait	51 (2.6)	▼
Saudi Arabia	49 (2.4)	▼
Egypt	45 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	79 (2.4)	▲
Ontario, Canada	75 (1.8)	
Dubai, UAE	75 (2.1)	
Norway (8)	73 (1.8)	
Florida, US	73 (2.5)	
Abu Dhabi, UAE	65 (2.2)	▼
Buenos Aires, Argentina	56 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_01 (M062150): Difference between low temperature in City X and Y**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	89 (1.1)	▲
Hong Kong SAR	88 (1.7)	▲
Chinese Taipei	85 (1.4)	▲
Sweden	83 (1.9)	▲
Slovenia	83 (1.7)	▲
England	83 (1.8)	▲
Norway (9)	81 (1.6)	▲
Japan	81 (1.3)	▲
Ireland	81 (1.8)	▲
Korea, Rep. of	78 (1.9)	▲
Canada	77 (1.7)	▲
Hungary	76 (1.9)	▲
Australia	75 (1.6)	▲
United States	75 (1.3)	▲
Malta	73 (1.9)	▲
New Zealand	71 (1.8)	▲
Israel	71 (1.9)	▲
Lithuania	66 (2.1)	▲
Russian Federation	63 (2.2)	▲
Kazakhstan	62 (3.2)	
Italy	61 (2.5)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
United Arab Emirates	56 (1.3)	
Malaysia	56 (1.7)	
Chile	49 (2.5)	▼
Botswana (9)	45 (1.9)	▼
Qatar	42 (1.8)	▼
Turkey	40 (2.1)	▼
Georgia	39 (2.6)	▼
Lebanon	37 (2.7)	▼
Egypt	37 (2.0)	▼
Bahrain	37 (2.1)	▼
Oman	34 (1.7)	▼
Jordan	33 (2.4)	▼
Kuwait	33 (2.4)	▼
Thailand	29 (2.1)	▼
Iran, Islamic Rep. of	29 (1.8)	▼
Morocco	27 (1.2)	▼
South Africa (9)	24 (2.0)	▼
Saudi Arabia	4 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	82 (2.9)	▲
Ontario, Canada	74 (2.3)	▲
Norway (8)	71 (2.0)	▲
Florida, US	67 (2.7)	▲
Dubai, UAE	66 (2.3)	▲
Abu Dhabi, UAE	53 (2.4)	
Buenos Aires, Argentina	38 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_02 (M062335): Select equivalent ratio to 3:2**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	94 (1.1)	▲
Singapore	92 (1.0)	▲
Chinese Taipei	92 (1.2)	▲
Japan	90 (1.2)	▲
Hong Kong SAR	87 (1.6)	▲
Canada	78 (1.7)	▲
England	77 (2.0)	▲
Israel	75 (2.0)	▲
Russian Federation	75 (2.3)	▲
United States	75 (1.5)	▲
Italy	72 (2.0)	▲
Kazakhstan	72 (2.4)	▲
Norway (9)	72 (2.1)	▲
Malta	72 (1.7)	▲
Australia	71 (1.8)	▲
Ireland	70 (2.0)	▲
Slovenia	68 (2.5)	▲
Hungary	66 (2.2)	
Bahrain	63 (1.9)	
<b>International Avg.</b>	<b>62 (0.3)</b>	
New Zealand	61 (2.1)	
Malaysia	60 (1.7)	
Qatar	60 (2.1)	
United Arab Emirates	60 (1.3)	
Lithuania	59 (2.9)	
Georgia	57 (3.0)	
Sweden	52 (2.6)	▼
Turkey	51 (2.3)	▼
Thailand	50 (2.2)	▼
Lebanon	49 (2.8)	▼
Iran, Islamic Rep. of	48 (2.1)	▼
Kuwait	46 (2.4)	▼
Botswana (9)	46 (1.6)	▼
Chile	45 (2.6)	▼
Morocco	38 (1.4)	▼
Egypt	35 (2.2)	▼
Oman	34 (1.9)	▼
Saudi Arabia	33 (2.5)	▼
Jordan	32 (1.9)	▼
South Africa (9)	31 (1.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	83 (2.5)	▲
Ontario, Canada	76 (2.0)	▲
Dubai, UAE	73 (1.4)	▲
Florida, US	69 (3.3)	▲
Norway (8)	60 (2.1)	
Abu Dhabi, UAE	51 (2.5)	▼
Buenos Aires, Argentina	40 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_03 (M062219): Katy enlarges a photo - new height**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	74 (1.8)	▲
Singapore	73 (1.8)	▲
Hong Kong SAR	70 (2.2)	▲
Chinese Taipei	65 (1.6)	▲
Japan	64 (1.9)	▲
Kazakhstan	55 (3.2)	▲
Bahrain	53 (1.7)	▲
Israel	51 (2.2)	▲
Sweden	46 (2.7)	▲
Norway (9)	45 (2.3)	▲
Russian Federation	44 (2.3)	
Canada	41 (1.9)	
Lithuania	41 (2.5)	
England	40 (2.4)	
Hungary	40 (2.3)	
Ireland	40 (1.9)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Slovenia	39 (2.4)	
Malta	39 (2.1)	
Lebanon	38 (2.3)	
United States	37 (1.6)	▼
Turkey	36 (2.1)	
Egypt	36 (1.9)	▼
Italy	36 (2.3)	
United Arab Emirates	36 (1.4)	▼
Australia	36 (1.9)	▼
New Zealand	35 (1.4)	▼
Georgia	33 (2.5)	▼
Iran, Islamic Rep. of	33 (1.9)	▼
Qatar	30 (1.9)	▼
South Africa (9)	29 (1.6)	▼
Thailand	27 (2.3)	▼
Botswana (9)	27 (1.9)	▼
Jordan	26 (1.7)	▼
Saudi Arabia	25 (2.0)	▼
Oman	24 (1.3)	▼
Morocco	24 (1.4)	▼
Chile	23 (1.4)	▼
Malaysia	21 (1.3)	▼
Kuwait	20 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	52 (3.6)	▲
Dubai, UAE	43 (2.4)	
Norway (8)	39 (2.7)	
Ontario, Canada	37 (2.2)	
Florida, US	33 (3.4)	
Abu Dhabi, UAE	31 (2.1)	▼
Buenos Aires, Argentina	24 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_04 (M062002): Fill in boxes to make the smallest product**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	69 (1.6)	▲
Hong Kong SAR	64 (2.1)	▲
Japan	55 (2.1)	▲
Chinese Taipei	54 (1.9)	▲
Malaysia	54 (1.9)	▲
Canada	51 (1.5)	▲
Italy	50 (2.3)	▲
England	49 (2.4)	▲
Kazakhstan	47 (2.6)	▲
United States	47 (1.6)	▲
Lithuania	46 (2.6)	▲
Hungary	46 (2.1)	▲
Ireland	46 (2.3)	▲
Russian Federation	45 (2.5)	▲
Australia	44 (1.8)	▲
Slovenia	43 (2.4)	▲
Korea, Rep. of	43 (2.0)	▲
New Zealand	40 (1.8)	▲
Malta	39 (1.9)	▲
Sweden	38 (2.6)	
Israel	37 (1.8)	
<b>International Avg.</b>	<b>36 (0.3)</b>	
Norway (9)	34 (2.3)	
Thailand	34 (2.2)	
United Arab Emirates	33 (1.2)	▼
Lebanon	33 (2.6)	
Turkey	30 (1.8)	▼
Georgia	30 (2.6)	▼
Qatar	28 (2.5)	▼
Bahrain	22 (2.3)	▼
Chile	19 (1.6)	▼
Botswana (9)	18 (1.5)	▼
Oman	16 (1.1)	▼
Iran, Islamic Rep. of	16 (1.4)	▼
South Africa (9)	14 (1.6)	▼
Morocco	14 (1.1)	▼
Saudi Arabia	10 (1.6)	▼
Kuwait	9 (1.6)	▼
Egypt	8 (1.1)	▼
Jordan	7 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	57 (3.1)	▲
Ontario, Canada	51 (2.1)	▲
Florida, US	50 (3.7)	▲
Dubai, UAE	45 (1.9)	▲
Abu Dhabi, UAE	29 (2.2)	▼
Norway (8)	28 (1.8)	▼
Buenos Aires, Argentina	13 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_05 (M062149): Identify expression to calculate Robin's earnings**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	82 (1.3)	▲
Hong Kong SAR	78 (2.0)	▲
Chinese Taipei	75 (1.5)	▲
Russian Federation	63 (2.6)	▲
Ireland	60 (2.1)	▲
Canada	59 (2.0)	▲
Italy	56 (2.5)	▲
Israel	55 (2.1)	▲
Slovenia	53 (2.4)	▲
Japan	53 (2.1)	▲
Lithuania	53 (2.7)	▲
Australia	51 (1.9)	▲
Korea, Rep. of	50 (2.1)	▲
Malaysia	48 (1.9)	▲
Hungary	48 (2.3)	▲
Kazakhstan	48 (2.8)	▲
Sweden	47 (2.2)	▲
Norway (9)	47 (2.1)	▲
United States	46 (1.6)	▲
New Zealand	44 (2.1)	
Malta	42 (1.9)	
<b>International Avg.</b>	<b>42 (0.3)</b>	
England	42 (2.3)	
Turkey	36 (1.8)	▼
Chile	34 (2.2)	▼
Bahrain	33 (2.3)	▼
United Arab Emirates	31 (1.3)	▼
Georgia	31 (2.2)	▼
Iran, Islamic Rep. of	30 (2.0)	▼
Thailand	26 (2.1)	▼
Qatar	25 (2.6)	▼
Botswana (9)	25 (1.5)	▼
Oman	24 (1.3)	▼
Lebanon	23 (2.1)	▼
Saudi Arabia	22 (2.3)	▼
South Africa (9)	22 (1.5)	▼
Jordan	22 (1.6)	▼
Egypt	21 (1.8)	▼
Kuwait	19 (2.0)	▼
Morocco	19 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	76 (2.8)	▲
Ontario, Canada	54 (2.3)	▲
Dubai, UAE	42 (2.7)	
Florida, US	42 (3.8)	
Norway (8)	33 (2.0)	▼
Buenos Aires, Argentina	29 (2.6)	▼
Abu Dhabi, UAE	26 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_06 (M062241): Roy's phone business - equation for y**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	82 (1.4)	▲
Korea, Rep. of	80 (1.8)	▲
Singapore	68 (1.7)	▲
Hong Kong SAR	68 (2.2)	▲
Chinese Taipei	65 (1.8)	▲
Israel	52 (1.9)	▲
Russian Federation	47 (2.2)	▲
Kazakhstan	45 (3.2)	▲
Hungary	44 (2.2)	▲
Canada	41 (2.0)	▲
United States	39 (1.7)	▲
Australia	39 (1.9)	▲
Slovenia	35 (2.4)	▲
Ireland	33 (2.1)	
England	33 (2.2)	
Sweden	32 (2.1)	
Norway (9)	32 (2.3)	
New Zealand	31 (1.9)	
Malta	30 (1.9)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Georgia	28 (2.4)	
Lithuania	27 (2.5)	
Italy	25 (2.3)	
United Arab Emirates	23 (1.2)	▼
Qatar	18 (1.2)	▼
Turkey	16 (1.7)	▼
Bahrain	14 (1.5)	▼
Lebanon	13 (1.6)	▼
Chile	12 (1.2)	▼
Jordan	11 (1.4)	▼
Oman	10 (1.0)	▼
Iran, Islamic Rep. of	9 (1.1)	▼
Thailand	9 (1.3)	▼
Egypt	8 (1.4)	▼
Kuwait	7 (1.7)	▼
South Africa (9)	7 (1.1)	▼
Malaysia	6 (0.8)	▼
Botswana (9)	6 (0.9)	▼
Saudi Arabia	5 (1.2)	▼
Morocco	4 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	46 (3.1)	▲
Dubai, UAE	37 (2.5)	▲
Ontario, Canada	37 (2.5)	▲
Florida, US	28 (3.3)	
Buenos Aires, Argentina	23 (2.6)	▼
Norway (8)	16 (1.6)	▼
Abu Dhabi, UAE	15 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_08 (M062105): Area of rectangle with sides  $x$  and  $2x + 1$**   
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	66 (2.2) ▲	70 (2.1) ▲
Singapore	61 (1.8) ▲	65 (1.8) ▲
Chinese Taipei	61 (2.2) ▲	63 (2.1) ▲
Hong Kong SAR	58 (2.3) ▲	63 (2.2) ▲
Japan	43 (1.8) ▲	45 (1.8) ▲
Russian Federation	39 (2.7) ▲	40 (2.8) ▲
Israel	38 (2.0) ▲	40 (2.0) ▲
Kazakhstan	36 (3.2) ▲	48 (3.3) ▲
Sweden	31 (2.2) ▲	31 (2.2) ▲
Canada	26 (1.6) ▲	31 (1.7) ▲
Hungary	25 (2.0)	26 (2.0)
Australia	23 (1.6)	25 (1.6)
Ireland	23 (2.1)	24 (2.1)
Georgia	22 (2.6)	27 (2.7)
Lithuania	22 (1.9)	29 (2.3)
<b>International Avg.</b>	<b>22 (0.3)</b>	<b>26 (0.3)</b>
England	22 (1.9)	25 (2.1)
Norway (9)	22 (1.9)	24 (2.0)
United States	22 (1.5)	25 (1.5)
Italy	21 (2.1)	22 (2.2)
Slovenia	20 (2.0)	23 (2.1)
United Arab Emirates	19 (1.1) ▼	24 (1.1)
Malta	19 (1.4)	25 (1.7)
Turkey	19 (1.9)	23 (2.1)
New Zealand	19 (1.4)	20 (1.4) ▼
Malaysia	14 (1.2) ▼	17 (1.3) ▼
Iran, Islamic Rep. of	13 (1.8) ▼	15 (1.9) ▼
Qatar	10 (1.2) ▼	15 (1.7) ▼
Egypt	9 (1.3) ▼	10 (1.5) ▼
Bahrain	9 (1.3) ▼	14 (1.5) ▼
Thailand	7 (1.4) ▼	11 (1.5) ▼
Chile	7 (1.0) ▼	9 (1.2) ▼
Oman	6 (0.8) ▼	13 (1.2) ▼
Kuwait	6 (1.4) ▼	13 (1.7) ▼
Lebanon	5 (1.3) ▼	9 (1.6) ▼
Morocco	4 (0.5) ▼	6 (0.7) ▼
Jordan	3 (0.8) ▼	8 (1.2) ▼
Botswana (9)	3 (0.6) ▼	8 (1.0) ▼
South Africa (9)	3 (0.8) ▼	9 (1.0) ▼
Saudi Arabia	1 (0.6) ▼	6 (1.5) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	32 (2.6) ▲	36 (3.0) ▲
Dubai, UAE	30 (2.0) ▲	34 (2.0) ▲
Ontario, Canada	26 (2.2)	31 (2.3) ▲
Florida, US	15 (2.3) ▼	21 (2.2) ▼
Abu Dhabi, UAE	13 (1.8) ▼	17 (2.0) ▼
Norway (8)	12 (1.3) ▼	14 (1.4) ▼
Buenos Aires, Argentina	5 (1.2) ▼	9 (1.4) ▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_09 (M062040): Estimate area of irregular shape on 1 cm grid**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Hong Kong SAR	71 (2.1)	▲
Chinese Taipei	68 (2.0)	▲
Singapore	64 (1.8)	▲
Korea, Rep. of	64 (2.1)	▲
Japan	61 (2.0)	▲
Slovenia	60 (2.3)	▲
Australia	55 (2.1)	▲
Canada	53 (1.8)	▲
Hungary	52 (2.2)	▲
Sweden	51 (2.1)	▲
Malaysia	50 (1.7)	▲
England	50 (2.1)	▲
Ireland	49 (2.3)	▲
Russian Federation	49 (2.5)	▲
Kazakhstan	48 (3.1)	
New Zealand	48 (2.1)	▲
Norway (9)	48 (2.3)	
Italy	46 (2.2)	
United States	45 (1.5)	
Turkey	44 (2.1)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Malta	44 (2.3)	
Israel	43 (1.8)	
Lithuania	43 (2.4)	
United Arab Emirates	39 (1.2)	▼
Thailand	38 (2.1)	▼
Qatar	37 (1.8)	▼
Iran, Islamic Rep. of	36 (1.8)	▼
Bahrain	35 (2.0)	▼
Georgia	35 (2.8)	▼
Oman	32 (1.7)	▼
Kuwait	32 (1.8)	▼
Chile	31 (2.3)	▼
Egypt	30 (1.7)	▼
Morocco	30 (1.5)	▼
Botswana (9)	29 (1.5)	▼
Lebanon	28 (3.2)	▼
Jordan	26 (2.0)	▼
South Africa (9)	26 (1.6)	▼
Saudi Arabia	24 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	55 (3.1)	▲
Ontario, Canada	51 (2.1)	▲
Florida, US	48 (3.4)	
Norway (8)	46 (2.2)	
Dubai, UAE	44 (2.0)	
Abu Dhabi, UAE	39 (2.1)	▼
Buenos Aires, Argentina	25 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_10 (M062288): Find vertices of Trapezoids M and N**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Japan	53 (2.0) ▲	65 (1.8) ▲
Chinese Taipei	38 (1.9) ▲	54 (1.7) ▲
Russian Federation	35 (2.3) ▲	42 (2.6) ▲
Korea, Rep. of	35 (2.0) ▲	46 (2.1) ▲
Hungary	35 (2.4) ▲	48 (2.4) ▲
Kazakhstan	33 (3.1) ▲	42 (3.2) ▲
Hong Kong SAR	30 (2.2) ▲	40 (2.4) ▲
Singapore	30 (1.7) ▲	39 (1.7) ▲
Lithuania	26 (2.5) ▲	34 (2.4) ▲
Slovenia	25 (2.3) ▲	37 (2.6) ▲
Canada	20 (1.2) ▲	35 (1.6) ▲
Italy	19 (1.8)	27 (2.2) ▲
England	17 (1.9)	28 (2.2) ▲
Israel	17 (1.5)	28 (2.0) ▲
United States	16 (0.9)	27 (1.4) ▲
<b>International Avg.</b>	<b>15 (0.2)</b>	<b>22 (0.3)</b>
Lebanon	15 (2.2)	19 (2.3)
Australia	15 (1.2)	23 (1.4)
Ireland	15 (1.4)	24 (1.7)
New Zealand	14 (1.3)	19 (1.5) ▼
Norway (9)	14 (1.5)	22 (1.8)
Georgia	10 (1.8) ▼	17 (2.4) ▼
Malta	10 (1.1) ▼	17 (1.4) ▼
Sweden	10 (1.7) ▼	16 (2.0) ▼
Qatar	9 (0.9) ▼	14 (1.1) ▼
United Arab Emirates	9 (0.8) ▼	15 (0.9) ▼
Iran, Islamic Rep. of	8 (1.2) ▼	14 (1.7) ▼
Malaysia	7 (0.8) ▼	9 (1.0) ▼
Bahrain	6 (1.2) ▼	10 (1.4) ▼
Turkey	6 (0.9) ▼	11 (1.2) ▼
Jordan	4 (1.0) ▼	8 (1.3) ▼
Thailand	4 (1.0) ▼	5 (1.1) ▼
Kuwait	4 (1.0) ▼	6 (1.7) ▼
Oman	3 (0.7) ▼	8 (1.1) ▼
Morocco	2 (0.4) ▼	3 (0.4) ▼
South Africa (9)	2 (0.9) ▼	2 (0.9) ▼
Chile	2 (0.4) ▼	3 (0.7) ▼
Egypt	1 (0.5) ▼	3 (0.8) ▼
Botswana (9)	1 (0.3) ▼	2 (0.5) ▼
Saudi Arabia	0 (0.3) ▼	2 (0.7) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	24 (2.7) ▲	42 (3.5) ▲
Ontario, Canada	18 (1.7)	32 (2.0) ▲
Dubai, UAE	16 (1.6)	21 (1.6)
Norway (8)	8 (1.2) ▼	14 (1.5) ▼
Florida, US	6 (1.2) ▼	16 (2.2) ▼
Abu Dhabi, UAE	6 (1.1) ▼	12 (1.5) ▼
Buenos Aires, Argentina	2 (0.9) ▼	3 (1.1) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_11 (M062173): Find angle x on a folded piece of paper**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	79 (1.7)	▲
Japan	76 (1.9)	▲
Singapore	72 (1.8)	▲
Chinese Taipei	66 (1.9)	▲
Hong Kong SAR	63 (2.4)	▲
Kazakhstan	43 (3.1)	▲
Slovenia	37 (2.6)	▲
Hungary	36 (1.9)	▲
Russian Federation	35 (2.0)	▲
Canada	33 (2.0)	▲
Lithuania	31 (2.5)	
Italy	31 (2.1)	
England	29 (2.2)	
Norway (9)	29 (1.9)	
<b>International Avg.</b>	<b>27 (0.3)</b>	
Ireland	27 (1.8)	
Australia	25 (1.4)	▼
Sweden	24 (2.1)	
Malta	23 (1.8)	▼
Lebanon	22 (2.0)	▼
New Zealand	22 (1.8)	▼
Israel	22 (1.7)	▼
United States	20 (1.5)	▼
Malaysia	19 (1.3)	▼
Georgia	18 (2.6)	▼
Chile	18 (1.8)	▼
Turkey	16 (1.6)	▼
United Arab Emirates	16 (0.8)	▼
Iran, Islamic Rep. of	15 (1.7)	▼
Thailand	15 (1.7)	▼
Qatar	15 (1.5)	▼
Morocco	14 (1.0)	▼
Jordan	13 (1.4)	▼
Oman	13 (1.3)	▼
Bahrain	12 (1.7)	▼
Egypt	10 (1.4)	▼
Kuwait	10 (1.9)	▼
Botswana (9)	7 (1.0)	▼
South Africa (9)	6 (0.7)	▼
Saudi Arabia	5 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	39 (3.0)	▲
Ontario, Canada	30 (2.4)	
Dubai, UAE	25 (1.4)	
Norway (8)	24 (2.0)	
Florida, US	13 (1.9)	▼
Abu Dhabi, UAE	13 (1.5)	▼
Buenos Aires, Argentina	8 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_12 (M062133): Black and white marbles in a bag with replacement**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	76 (1.5)	▲
Hong Kong SAR	69 (2.1)	▲
Japan	68 (1.7)	▲
Chinese Taipei	68 (1.6)	▲
Korea, Rep. of	67 (2.1)	▲
Ireland	55 (2.2)	▲
Canada	53 (1.9)	▲
England	53 (2.0)	▲
United States	53 (1.5)	▲
Italy	52 (1.9)	▲
Australia	52 (1.8)	▲
Kazakhstan	52 (2.8)	▲
Norway (9)	51 (2.3)	▲
Israel	51 (2.1)	▲
New Zealand	50 (1.5)	▲
Lithuania	49 (2.7)	
Thailand	49 (2.1)	
Hungary	48 (2.2)	
Sweden	47 (2.4)	
Slovenia	46 (2.4)	
Bahrain	46 (2.1)	
Turkey	46 (2.0)	
International Avg.	45 (0.3)	
Russian Federation	45 (2.8)	
Iran, Islamic Rep. of	41 (1.9)	▼
Malaysia	40 (2.0)	▼
Qatar	40 (1.7)	▼
Chile	39 (2.2)	▼
United Arab Emirates	37 (1.3)	▼
Malta	36 (1.9)	▼
Georgia	36 (2.5)	▼
Botswana (9)	33 (1.8)	▼
Saudi Arabia	32 (1.9)	▼
Oman	31 (1.6)	▼
Egypt	30 (1.6)	▼
Jordan	29 (2.0)	▼
South Africa (9)	28 (1.6)	▼
Morocco	26 (1.3)	▼
Kuwait	25 (2.7)	▼
Lebanon	25 (2.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	62 (3.0)	▲
Florida, US	52 (3.4)	▲
Ontario, Canada	51 (2.5)	▲
Norway (8)	48 (2.3)	
Dubai, UAE	46 (2.8)	
Abu Dhabi, UAE	32 (2.4)	▼
Buenos Aires, Argentina	22 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_13A (M062123A): Relay race - mean time of runners**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	88 (1.5)	▲
Hong Kong SAR	88 (1.4)	▲
Korea, Rep. of	85 (1.5)	▲
Japan	82 (1.5)	▲
Chinese Taipei	81 (1.5)	▲
Lithuania	71 (2.1)	▲
Norway (9)	70 (2.3)	▲
Canada	70 (1.5)	▲
Israel	69 (1.9)	▲
Hungary	68 (2.5)	▲
Slovenia	66 (2.3)	▲
Ireland	65 (2.3)	▲
United States	64 (1.5)	▲
Russian Federation	64 (2.6)	▲
Sweden	64 (2.4)	▲
England	62 (1.9)	▲
Kazakhstan	61 (3.0)	
Italy	60 (2.3)	
Australia	58 (1.8)	
Malta	57 (2.2)	
Malaysia	57 (1.6)	
<b>International Avg.</b>	<b>56 (0.3)</b>	
Iran, Islamic Rep. of	55 (1.9)	
New Zealand	52 (1.9)	▼
Turkey	51 (2.3)	▼
Bahrain	49 (2.3)	▼
Oman	47 (1.6)	▼
United Arab Emirates	47 (1.5)	▼
Qatar	47 (2.4)	▼
Georgia	46 (3.1)	▼
Chile	39 (2.0)	▼
South Africa (9)	38 (1.5)	▼
Egypt	38 (1.9)	▼
Kuwait	37 (2.2)	▼
Saudi Arabia	37 (2.6)	▼
Lebanon	36 (2.4)	▼
Botswana (9)	35 (1.9)	▼
Thailand	35 (2.0)	▼
Jordan	34 (2.0)	▼
Morocco	28 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.3)	▲
Ontario, Canada	67 (2.0)	▲
Norway (8)	64 (2.1)	▲
Florida, US	55 (2.8)	
Dubai, UAE	53 (2.5)	
Abu Dhabi, UAE	41 (2.9)	▼
Buenos Aires, Argentina	24 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M10\_13B (M062123B): Relay race - mean time when 2 runners improve**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Hong Kong SAR	76 (2.1)	▲
Singapore	71 (1.8)	▲
Japan	71 (1.8)	▲
Chinese Taipei	70 (1.6)	▲
Korea, Rep. of	69 (2.0)	▲
Norway (9)	60 (2.2)	▲
Sweden	54 (2.7)	▲
Slovenia	53 (2.6)	▲
Israel	49 (2.2)	▲
Canada	46 (1.8)	▲
Lithuania	45 (2.5)	▲
Italy	44 (2.4)	▲
Russian Federation	42 (2.2)	▲
Kazakhstan	42 (3.3)	
United States	42 (1.6)	▲
Hungary	42 (2.3)	▲
Australia	37 (1.5)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
Ireland	37 (2.2)	
New Zealand	35 (1.4)	
Turkey	35 (2.2)	
England	34 (2.1)	
Malta	30 (1.9)	▼
Chile	28 (1.8)	▼
Malaysia	28 (1.6)	▼
Georgia	27 (2.4)	▼
United Arab Emirates	27 (1.5)	▼
Thailand	25 (1.7)	▼
Qatar	25 (1.6)	▼
Iran, Islamic Rep. of	25 (1.9)	▼
Egypt	23 (1.3)	▼
Kuwait	22 (2.1)	▼
Oman	20 (1.4)	▼
Bahrain	20 (1.5)	▼
Saudi Arabia	19 (2.2)	▼
Jordan	18 (1.6)	▼
Morocco	16 (1.0)	▼
Lebanon	16 (1.6)	▼
Botswana (9)	12 (1.2)	▼
South Africa (9)	10 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	56 (3.4)	▲
Norway (8)	48 (2.3)	▲
Ontario, Canada	42 (2.0)	▲
Florida, US	37 (2.8)	
Dubai, UAE	35 (2.8)	
Abu Dhabi, UAE	23 (2.3)	▼
Buenos Aires, Argentina	14 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_01 (M052079): Length of shorter string piece**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	91 (1.1)	▲
Korea, Rep. of	85 (1.2)	▲
Japan	80 (1.4)	▲
Chinese Taipei	78 (1.6)	▲
Hong Kong SAR	70 (1.9)	▲
Hungary	67 (2.1)	▲
Israel	66 (2.0)	▲
Russian Federation	66 (2.5)	▲
Australia	63 (1.6)	▲
Kazakhstan	62 (2.8)	▲
Ireland	62 (2.2)	▲
England	62 (2.1)	▲
Slovenia	61 (2.3)	▲
United States	59 (1.4)	▲
Lithuania	59 (2.4)	
New Zealand	57 (1.8)	
Canada	56 (1.8)	
Chile	56 (2.3)	
Malta	56 (2.2)	
Iran, Islamic Rep. of	55 (2.2)	
International Avg.	54 (0.3)	
Georgia	53 (2.4)	
Malaysia	51 (1.8)	
Qatar	51 (1.6)	▼
Sweden	50 (2.2)	
Norway (9)	50 (2.2)	
Italy	49 (2.6)	▼
United Arab Emirates	48 (1.2)	▼
Thailand	48 (2.3)	▼
Botswana (9)	47 (1.9)	▼
Bahrain	47 (2.0)	▼
Egypt	38 (1.9)	▼
Turkey	37 (1.9)	▼
Jordan	37 (2.1)	▼
Lebanon	36 (2.4)	▼
South Africa (9)	36 (1.5)	▼
Saudi Arabia	35 (2.4)	▼
Kuwait	34 (2.2)	▼
Oman	32 (1.8)	▼
Morocco	31 (1.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	62 (2.4)	▲
Ontario, Canada	61 (2.5)	▲
Norway (8)	55 (2.3)	
Florida, US	55 (3.6)	
Quebec, Canada	47 (2.5)	▼
Abu Dhabi, UAE	44 (2.3)	▼
Buenos Aires, Argentina	31 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_02 (M052204): Which is a prime number**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Chinese Taipei	86 (1.5)	▲
Korea, Rep. of	82 (1.3)	▲
Singapore	78 (1.5)	▲
Iran, Islamic Rep. of	69 (2.4)	▲
Hong Kong SAR	69 (2.1)	▲
England	67 (2.3)	▲
Bahrain	67 (2.0)	▲
Ireland	66 (2.2)	▲
Hungary	61 (2.6)	▲
Norway (9)	61 (2.3)	▲
Thailand	56 (2.8)	▲
Australia	56 (1.9)	▲
Slovenia	56 (2.5)	▲
New Zealand	55 (2.1)	▲
Malta	53 (2.2)	
Italy	52 (2.6)	
Turkey	51 (2.6)	
Japan	51 (2.0)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Botswana (9)	49 (1.9)	
United Arab Emirates	49 (1.4)	
United States	48 (1.7)	
Canada	48 (2.1)	
Oman	48 (1.3)	
Kazakhstan	48 (3.0)	
Sweden	46 (2.9)	
Egypt	44 (2.4)	▼
Malaysia	43 (1.7)	▼
Qatar	42 (1.8)	▼
Lebanon	41 (2.8)	▼
Israel	41 (1.8)	▼
Kuwait	41 (2.1)	▼
Georgia	39 (2.5)	▼
Jordan	36 (2.3)	▼
South Africa (9)	35 (1.9)	▼
Chile	34 (1.9)	▼
Russian Federation	30 (3.2)	▼
Saudi Arabia	26 (2.1)	▼
Morocco	19 (1.3)	▼
Lithuania	18 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	60 (2.0)	▲
Norway (8)	58 (2.2)	▲
Quebec, Canada	50 (2.9)	
Ontario, Canada	49 (2.9)	
Abu Dhabi, UAE	46 (2.9)	
Buenos Aires, Argentina	43 (3.1)	▼
Florida, US	42 (3.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_03 (M052364): Answer to Robert's problem**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	90 (1.2)	▲
Chinese Taipei	86 (1.1)	▲
Singapore	82 (1.5)	▲
Ireland	78 (1.9)	▲
Russian Federation	78 (2.1)	▲
England	77 (1.9)	▲
Canada	75 (1.6)	▲
Hong Kong SAR	75 (2.1)	▲
Lithuania	75 (2.0)	▲
Italy	74 (2.0)	▲
United States	73 (1.4)	▲
Australia	69 (1.4)	▲
New Zealand	69 (1.4)	▲
Hungary	69 (1.9)	▲
Sweden	68 (2.5)	▲
Malta	62 (1.9)	▲
Norway (9)	59 (2.4)	▲
Slovenia	58 (2.4)	▲
Kazakhstan	55 (2.7)	
Turkey	54 (2.1)	
Israel	53 (1.9)	
Georgia	52 (2.6)	
International Avg.	51 (0.3)	
Japan	50 (1.9)	
Chile	49 (2.1)	
United Arab Emirates	42 (1.3)	▼
Qatar	35 (2.0)	▼
Malaysia	29 (1.5)	▼
Lebanon	28 (2.2)	▼
Iran, Islamic Rep. of	28 (1.8)	▼
Botswana (9)	28 (1.6)	▼
Bahrain	25 (1.8)	▼
Thailand	24 (1.8)	▼
South Africa (9)	22 (1.8)	▼
Oman	17 (1.3)	▼
Jordan	17 (1.8)	▼
Kuwait	17 (1.8)	▼
Saudi Arabia	15 (2.2)	▼
Egypt	14 (1.5)	▼
Morocco	11 (1.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	77 (1.8)	▲
Quebec, Canada	73 (3.3)	▲
Florida, US	70 (2.7)	▲
Dubai, UAE	61 (2.6)	▲
Norway (8)	51 (2.2)	
Buenos Aires, Argentina	45 (2.7)	▼
Abu Dhabi, UAE	33 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_04 (M052215): Fraction of diagram shaded**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	93 (1.0)	▲
Singapore	89 (1.2)	▲
Hong Kong SAR	86 (1.4)	▲
Canada	78 (1.3)	▲
Chinese Taipei	76 (1.6)	▲
Malta	75 (1.8)	▲
Ireland	75 (2.1)	▲
Norway (9)	72 (2.2)	▲
Slovenia	70 (2.0)	▲
England	69 (2.2)	▲
Sweden	68 (3.0)	▲
New Zealand	67 (2.1)	▲
United States	67 (1.5)	▲
Italy	67 (2.3)	▲
Australia	66 (1.9)	▲
Iran, Islamic Rep. of	64 (2.0)	▲
Lithuania	63 (2.7)	▲
Israel	63 (2.0)	▲
Malaysia	60 (2.0)	▲
Japan	58 (2.1)	
<b>International Avg.</b>	<b>56 (0.3)</b>	
Bahrain	56 (2.0)	
United Arab Emirates	55 (1.5)	
Russian Federation	53 (2.6)	
Thailand	49 (2.6)	▼
Qatar	48 (1.9)	▼
Turkey	47 (2.3)	▼
Chile	46 (2.1)	▼
Kuwait	45 (2.5)	▼
Jordan	44 (2.2)	▼
Kazakhstan	44 (2.7)	▼
Hungary	41 (2.1)	▼
Georgia	40 (3.0)	▼
Botswana (9)	40 (1.9)	▼
Oman	38 (1.8)	▼
Lebanon	33 (3.2)	▼
South Africa (9)	28 (1.9)	▼
Morocco	24 (1.4)	▼
Saudi Arabia	24 (2.0)	▼
Egypt	19 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	82 (2.0)	▲
Ontario, Canada	77 (1.8)	▲
Norway (8)	70 (2.2)	▲
Dubai, UAE	67 (2.0)	▲
Florida, US	63 (2.7)	▲
Abu Dhabi, UAE	50 (3.0)	▼
Buenos Aires, Argentina	43 (3.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_05 (M052147): Which statement is true**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	84 (1.5)	▲
Hong Kong SAR	78 (1.7)	▲
Chinese Taipei	72 (1.6)	▲
Korea, Rep. of	65 (1.9)	▲
Kazakhstan	59 (2.7)	▲
Malaysia	57 (1.9)	▲
Japan	56 (2.0)	▲
Malta	56 (2.1)	▲
Ireland	54 (1.9)	▲
Russian Federation	54 (2.7)	▲
Israel	54 (1.9)	▲
Bahrain	51 (2.3)	▲
England	51 (2.5)	
Hungary	50 (2.3)	
Canada	50 (1.9)	
United Arab Emirates	47 (1.3)	
Slovenia	47 (2.4)	
<b>International Avg.</b>	<b>46 (0.3)</b>	
Qatar	46 (1.9)	
Georgia	46 (2.6)	
Norway (9)	46 (2.6)	
United States	45 (1.6)	
Sweden	44 (2.3)	
Lithuania	44 (2.9)	
New Zealand	43 (2.0)	
Italy	42 (2.6)	
Botswana (9)	41 (1.8)	▼
Australia	40 (1.6)	▼
Thailand	40 (2.1)	▼
Oman	35 (1.6)	▼
Chile	35 (1.9)	▼
Kuwait	35 (2.8)	▼
South Africa (9)	34 (1.6)	▼
Turkey	34 (2.0)	▼
Egypt	32 (1.7)	▼
Lebanon	31 (2.5)	▼
Jordan	31 (2.0)	▼
Morocco	30 (1.4)	▼
Saudi Arabia	28 (1.8)	▼
Iran, Islamic Rep. of	25 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	65 (3.8)	▲
Dubai, UAE	58 (2.4)	▲
Ontario, Canada	44 (2.2)	
Abu Dhabi, UAE	42 (2.4)	
Florida, US	41 (4.3)	
Norway (8)	40 (2.2)	▼
Buenos Aires, Argentina	29 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_06 (M052067): Value of given expression**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	89 (1.3)	▲
Hong Kong SAR	87 (1.8)	▲
Chinese Taipei	86 (1.3)	▲
Russian Federation	83 (1.8)	▲
Korea, Rep. of	83 (1.7)	▲
Kazakhstan	79 (2.3)	▲
Lebanon	73 (2.7)	▲
United States	71 (1.2)	▲
Ireland	70 (1.9)	▲
Georgia	70 (2.4)	▲
Italy	70 (2.1)	▲
Israel	67 (1.9)	▲
Slovenia	67 (2.1)	▲
England	66 (2.4)	▲
Lithuania	66 (2.5)	▲
Bahrain	65 (2.0)	▲
Canada	65 (1.7)	▲
Turkey	63 (2.0)	
Hungary	63 (2.5)	
<b>International Avg.</b>	<b>60 (0.3)</b>	
United Arab Emirates	59 (1.4)	
Australia	58 (1.8)	
Egypt	58 (1.9)	
Qatar	57 (1.6)	▼
Japan	56 (2.0)	
New Zealand	56 (2.0)	
Iran, Islamic Rep. of	56 (2.0)	▼
Malta	55 (1.8)	▼
Thailand	53 (2.3)	▼
Morocco	49 (1.5)	▼
Chile	48 (2.0)	▼
Jordan	48 (1.9)	▼
Malaysia	46 (1.6)	▼
Norway (9)	44 (2.1)	▼
Oman	43 (1.6)	▼
Sweden	42 (2.6)	▼
South Africa (9)	38 (2.0)	▼
Kuwait	38 (2.1)	▼
Saudi Arabia	33 (2.4)	▼
Botswana (9)	25 (1.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	74 (1.8)	▲
Quebec, Canada	68 (3.0)	▲
Florida, US	66 (2.7)	▲
Ontario, Canada	66 (2.3)	▲
Abu Dhabi, UAE	54 (2.7)	▼
Buenos Aires, Argentina	48 (2.6)	▼
Norway (8)	28 (2.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_07 (M052068): Identify an equivalent expression**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	69 (1.9)	⬆
Japan	65 (1.9)	⬆
Singapore	64 (1.6)	⬆
Chinese Taipei	63 (2.0)	⬆
Russian Federation	51 (3.0)	⬆
Kazakhstan	51 (2.9)	⬆
Hong Kong SAR	44 (2.1)	⬆
Bahrain	38 (1.5)	⬆
Lebanon	35 (2.6)	⬆
Israel	31 (1.8)	⬆
Hungary	26 (2.0)	
<b>International Avg.</b>	<b>26 (0.3)</b>	
Lithuania	24 (2.6)	
United Arab Emirates	23 (1.5)	⬇
Iran, Islamic Rep. of	22 (1.6)	⬇
United States	22 (1.6)	⬇
Malaysia	21 (1.4)	⬇
Malta	20 (1.7)	⬇
Slovenia	20 (1.8)	⬇
Qatar	19 (1.7)	⬇
Canada	19 (1.4)	⬇
Italy	19 (1.8)	⬇
Turkey	18 (1.5)	⬇
Georgia	18 (2.2)	⬇
Ireland	18 (1.8)	⬇
Saudi Arabia	18 (1.9)	⬇
Thailand	16 (1.4)	⬇
Jordan	16 (1.5)	⬇
Morocco	14 (1.1)	⬇
England	14 (1.3)	⬇
Sweden	14 (2.0)	⬇
Norway (9)	14 (1.7)	⬇
Chile	14 (1.6)	⬇
Oman	14 (1.1)	⬇
Egypt	13 (1.2)	⬇
New Zealand	12 (1.3)	⬇
Kuwait	12 (1.5)	⬇
South Africa (9)	12 (1.1)	⬇
Australia	12 (1.4)	⬇
Botswana (9)	11 (1.3)	⬇
<b>Benchmarking Participants</b>		
Dubai, UAE	27 (2.0)	
Quebec, Canada	26 (2.8)	
Florida, US	23 (2.6)	
Abu Dhabi, UAE	21 (2.3)	
Ontario, Canada	16 (1.8)	⬇
Norway (8)	12 (1.7)	⬇
Buenos Aires, Argentina	10 (1.4)	⬇

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ⬆ Percent significantly higher than international average  
 ⬇ Percent significantly lower than international average  
 ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_08 (M052087): Solve for simultaneous equations**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	74 (1.9)	▲
Chinese Taipei	65 (1.9)	▲
Singapore	65 (1.9)	▲
Korea, Rep. of	64 (1.8)	▲
Hong Kong SAR	52 (2.6)	▲
Kazakhstan	43 (3.1)	▲
Russian Federation	36 (3.3)	▲
Israel	23 (1.9)	▲
Malta	18 (1.6)	
United States	17 (1.4)	
<b>International Avg.</b>	<b>16 (0.2)</b>	
Ireland	13 (1.8)	
Georgia	13 (2.0)	
United Arab Emirates	12 (0.9)	▼
Malaysia	12 (1.2)	▼
Turkey	11 (1.3)	▼
England	11 (1.5)	▼
Hungary	10 (1.5)	▼
Jordan	9 (1.4)	▼
New Zealand	8 (1.4)	▼
Qatar	8 (1.3)	▼
Thailand	7 (1.5)	▼
Australia	7 (1.1)	▼
Bahrain	6 (1.1)	▼
Slovenia	5 (1.4)	▼
Lebanon	5 (1.4)	▼
Norway (9)	5 (1.0)	▼
Sweden	5 (1.2)	▼
Italy	4 (1.1)	▼
Lithuania	4 (1.0)	▼
Canada	4 (0.6)	▼
Iran, Islamic Rep. of	3 (1.0)	▼
Egypt	3 (0.6)	▼
Oman	3 (0.9)	▼
Kuwait	2 (0.9)	▼
South Africa (9)	1 (0.4)	▼
Saudi Arabia	1 (0.4)	▼
Chile	1 (0.4)	▼
Botswana (9)	1 (0.2)	▼
Morocco	0 (0.3)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	21 (2.2)	▲
Florida, US	15 (2.1)	
Abu Dhabi, UAE	7 (1.3)	▼
Ontario, Canada	4 (1.0)	▼
Quebec, Canada	2 (0.6)	▼
Norway (8)	1 (0.3)	▼
Buenos Aires, Argentina	0 (0.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_09 (M052048): Lines of symmetry for pentagon**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	63 (1.7)	▲
Singapore	51 (1.7)	▲
Hong Kong SAR	51 (2.5)	▲
Japan	50 (2.1)	▲
Canada	40 (1.5)	▲
England	37 (2.7)	▲
Hungary	36 (2.1)	▲
Ireland	31 (1.8)	▲
Australia	30 (1.9)	▲
Malta	29 (1.9)	▲
New Zealand	28 (1.7)	▲
Kazakhstan	25 (2.4)	
Slovenia	23 (2.2)	
Russian Federation	23 (2.3)	
Iran, Islamic Rep. of	22 (1.8)	
Korea, Rep. of	22 (1.4)	
<b>International Avg.</b>	<b>21 (0.3)</b>	
United States	21 (1.4)	
Italy	20 (1.6)	
Lithuania	19 (2.1)	
Sweden	18 (2.2)	
United Arab Emirates	17 (1.0)	▼
Qatar	17 (1.3)	▼
Malaysia	16 (1.1)	▼
Oman	13 (1.2)	▼
Israel	12 (1.3)	▼
Georgia	12 (1.8)	▼
Norway (9)	12 (1.3)	▼
Turkey	12 (1.6)	▼
Bahrain	11 (1.2)	▼
Morocco	11 (1.1)	▼
Kuwait	11 (1.8)	▼
Lebanon	10 (1.6)	▼
Chile	8 (1.0)	▼
Botswana (9)	7 (0.8)	▼
Egypt	6 (0.8)	▼
Jordan	4 (0.9)	▼
South Africa (9)	4 (0.7)	▼
Thailand	4 (1.0)	▼
Saudi Arabia	4 (1.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	45 (2.0)	▲
Quebec, Canada	33 (2.9)	▲
Dubai, UAE	25 (2.1)	
Florida, US	17 (2.1)	▼
Norway (8)	16 (1.6)	▼
Abu Dhabi, UAE	13 (1.7)	▼
Buenos Aires, Argentina	2 (0.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_10 (M052039): Length of line segment AB**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	89 (1.2)	▲
Hong Kong SAR	85 (1.6)	▲
Japan	85 (1.5)	▲
Singapore	81 (1.6)	▲
Chinese Taipei	78 (1.7)	▲
Russian Federation	61 (3.1)	▲
Israel	61 (2.5)	▲
Kazakhstan	57 (3.1)	▲
United States	54 (1.6)	▲
Canada	53 (1.6)	▲
Hungary	45 (2.4)	▲
Lithuania	45 (2.8)	
Norway (9)	45 (2.5)	
Sweden	41 (2.4)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
Slovenia	40 (2.3)	
England	40 (2.5)	
Ireland	39 (2.2)	
Turkey	39 (2.4)	
Italy	39 (2.4)	
New Zealand	38 (2.1)	
Australia	37 (2.1)	
United Arab Emirates	34 (1.4)	▼
Malaysia	32 (1.6)	▼
Malta	31 (1.8)	▼
Bahrain	30 (1.8)	▼
Iran, Islamic Rep. of	29 (1.9)	▼
Egypt	28 (2.1)	▼
Lebanon	27 (2.5)	▼
Qatar	27 (2.2)	▼
Georgia	27 (2.5)	▼
Oman	26 (1.3)	▼
Kuwait	26 (2.3)	▼
Thailand	23 (2.0)	▼
Chile	18 (1.6)	▼
Morocco	18 (1.3)	▼
South Africa (9)	16 (1.7)	▼
Botswana (9)	16 (1.4)	▼
Jordan	14 (1.6)	▼
Saudi Arabia	11 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	65 (3.1)	▲
Ontario, Canada	48 (2.2)	▲
Dubai, UAE	46 (2.9)	▲
Florida, US	43 (3.5)	
Norway (8)	35 (2.3)	▼
Abu Dhabi, UAE	29 (2.6)	▼
Buenos Aires, Argentina	11 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_11 (M052208): Number of cubes that fit in a box**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	72 (1.7)	▲
Hong Kong SAR	63 (2.1)	▲
Chinese Taipei	54 (1.6)	▲
Korea, Rep. of	49 (2.3)	▲
Japan	46 (2.3)	▲
Kazakhstan	39 (3.2)	▲
Malaysia	30 (1.6)	▲
Russian Federation	28 (2.5)	▲
Israel	28 (2.0)	▲
Canada	26 (1.6)	▲
Ireland	25 (2.2)	
<b>International Avg.</b>	<b>22 (0.3)</b>	
Lithuania	21 (2.2)	
Slovenia	20 (1.9)	
Sweden	20 (2.4)	
Hungary	19 (1.7)	
Iran, Islamic Rep. of	19 (1.6)	
Malta	19 (1.5)	▼
Australia	17 (1.5)	▼
Qatar	17 (1.7)	▼
United States	17 (1.2)	▼
Norway (9)	17 (1.6)	▼
United Arab Emirates	17 (0.9)	▼
New Zealand	16 (1.3)	▼
Turkey	15 (1.7)	▼
Bahrain	15 (1.8)	▼
Oman	14 (1.4)	▼
Thailand	14 (1.6)	▼
England	14 (1.5)	▼
Botswana (9)	12 (1.3)	▼
Lebanon	12 (1.9)	▼
Egypt	12 (1.4)	▼
Italy	11 (1.4)	▼
Georgia	10 (1.5)	▼
Morocco	10 (0.9)	▼
Kuwait	9 (1.3)	▼
Saudi Arabia	9 (1.3)	▼
Jordan	8 (1.1)	▼
South Africa (9)	8 (0.8)	▼
Chile	6 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	29 (3.0)	▲
Ontario, Canada	25 (2.0)	
Dubai, UAE	23 (1.9)	
Abu Dhabi, UAE	16 (1.9)	▼
Florida, US	15 (2.9)	▼
Norway (8)	11 (1.1)	▼
Buenos Aires, Argentina	5 (1.1)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_12A (M052419A): Girls playing video games**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Japan	88 (1.4)	▲
Singapore	86 (1.1)	▲
Korea, Rep. of	81 (1.6)	▲
Chinese Taipei	81 (1.5)	▲
Canada	80 (1.3)	▲
Slovenia	79 (2.2)	▲
Norway (9)	79 (1.6)	▲
England	78 (1.9)	▲
Lithuania	78 (2.0)	▲
Sweden	76 (2.0)	▲
Australia	75 (1.7)	▲
United States	74 (1.4)	▲
Hungary	74 (2.1)	▲
Hong Kong SAR	74 (1.8)	▲
New Zealand	74 (1.9)	▲
Ireland	73 (2.1)	▲
Russian Federation	71 (2.5)	▲
Italy	67 (2.1)	▲
Malaysia	67 (1.7)	▲
Israel	66 (2.3)	▲
Kazakhstan	63 (2.4)	
Malta	60 (1.7)	
International Avg.	60 (0.3)	
Bahrain	57 (1.8)	
Chile	56 (2.4)	
United Arab Emirates	55 (1.4)	▼
Turkey	54 (2.1)	▼
Qatar	49 (1.7)	▼
Botswana (9)	48 (2.0)	▼
Lebanon	43 (2.5)	▼
Kuwait	38 (2.6)	▼
Oman	37 (1.5)	▼
South Africa (9)	34 (1.7)	▼
Iran, Islamic Rep. of	34 (2.0)	▼
Thailand	34 (2.0)	▼
Saudi Arabia	34 (2.2)	▼
Georgia	33 (2.3)	▼
Morocco	30 (1.3)	▼
Jordan	29 (1.9)	▼
Egypt	29 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	81 (2.9)	▲
Ontario, Canada	80 (1.5)	▲
Norway (8)	75 (2.0)	▲
Dubai, UAE	70 (2.2)	▲
Florida, US	69 (3.3)	▲
Abu Dhabi, UAE	49 (2.5)	▼
Buenos Aires, Argentina	47 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_12B (M052419B): Difference in percentages  
Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	97 (0.6)	▲
Japan	94 (1.0)	▲
Chinese Taipei	94 (0.8)	▲
Hong Kong SAR	93 (1.2)	▲
Slovenia	93 (1.4)	▲
Singapore	93 (1.0)	▲
Norway (9)	92 (1.1)	▲
Lithuania	92 (1.2)	▲
Hungary	88 (1.6)	▲
England	88 (1.5)	▲
Australia	87 (1.4)	▲
Sweden	86 (1.8)	▲
Canada	86 (1.1)	▲
Ireland	86 (1.3)	▲
Russian Federation	85 (1.7)	▲
New Zealand	83 (1.5)	▲
United States	82 (1.2)	▲
Italy	79 (1.9)	▲
Israel	76 (1.8)	▲
Malta	73 (1.7)	
<b>International Avg.</b>	<b>71 (0.3)</b>	
Kazakhstan	70 (2.4)	
Chile	68 (2.3)	
Bahrain	68 (2.1)	
United Arab Emirates	66 (1.1)	▼
Malaysia	64 (1.7)	▼
Turkey	61 (2.3)	▼
Qatar	60 (1.9)	▼
Georgia	57 (2.6)	▼
Thailand	56 (2.3)	▼
Lebanon	53 (2.9)	▼
Kuwait	52 (1.8)	▼
Saudi Arabia	50 (2.4)	▼
Iran, Islamic Rep. of	47 (2.0)	▼
Oman	47 (2.0)	▼
Jordan	44 (2.1)	▼
Morocco	42 (1.4)	▼
Botswana (9)	40 (1.7)	▼
Egypt	36 (2.1)	▼
South Africa (9)	33 (2.1)	▼
<b>Benchmarking Participants</b>		
Norway (8)	89 (1.4)	▲
Ontario, Canada	88 (1.3)	▲
Quebec, Canada	83 (1.9)	▲
Dubai, UAE	79 (1.0)	▲
Florida, US	75 (3.6)	
Abu Dhabi, UAE	60 (2.4)	▼
Buenos Aires, Argentina	59 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_13 (M052115): Raspberry as favorite flavor**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	87 (1.4)	▲
Hong Kong SAR	82 (1.7)	▲
Korea, Rep. of	78 (1.8)	▲
Chinese Taipei	75 (1.6)	▲
Japan	74 (1.9)	▲
England	66 (2.1)	▲
Canada	60 (1.9)	▲
United States	54 (1.9)	▲
Norway (9)	54 (2.0)	▲
Slovenia	52 (2.7)	▲
Ireland	52 (1.9)	▲
Israel	52 (2.3)	▲
Australia	52 (2.1)	▲
New Zealand	50 (2.0)	▲
Bahrain	50 (1.5)	▲
Lithuania	49 (2.5)	▲
Italy	47 (2.4)	
Malaysia	46 (1.9)	
Russian Federation	45 (2.6)	
Malta	44 (1.7)	
Hungary	44 (2.2)	
Sweden	44 (2.8)	
Kazakhstan	44 (2.8)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Turkey	39 (2.1)	
United Arab Emirates	37 (1.4)	▼
Thailand	34 (2.4)	▼
Georgia	33 (3.3)	▼
Iran, Islamic Rep. of	32 (2.0)	▼
Qatar	28 (2.1)	▼
Chile	25 (2.0)	▼
Botswana (9)	20 (1.6)	▼
Egypt	20 (1.5)	▼
Kuwait	20 (2.2)	▼
Oman	18 (1.4)	▼
Jordan	15 (1.6)	▼
Saudi Arabia	13 (1.7)	▼
Lebanon	13 (1.4)	▼
Morocco	11 (0.9)	▼
South Africa (9)	11 (1.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	64 (2.2)	▲
Quebec, Canada	57 (3.4)	▲
Dubai, UAE	52 (2.0)	▲
Florida, US	51 (3.1)	▲
Norway (8)	47 (2.4)	
Abu Dhabi, UAE	34 (2.5)	▼
Buenos Aires, Argentina	17 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M11\_14 (M052421): Explain why Pat is correct**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Slovenia	71 (2.3)	▲
Korea, Rep. of	71 (1.7)	▲
Singapore	68 (1.5)	▲
Japan	64 (1.9)	▲
England	63 (2.0)	▲
Norway (9)	62 (2.0)	▲
Ireland	58 (2.0)	▲
Hong Kong SAR	57 (2.3)	▲
Sweden	53 (2.5)	▲
Chinese Taipei	53 (1.8)	▲
Canada	50 (1.9)	▲
United States	46 (1.5)	▲
Kazakhstan	46 (2.6)	▲
Australia	46 (1.9)	▲
Hungary	46 (2.3)	▲
New Zealand	43 (1.7)	▲
Malta	39 (1.7)	▲
<b>International Avg.</b>	<b>35 (0.3)</b>	
Israel	34 (1.7)	
Bahrain	34 (2.1)	
Italy	33 (1.9)	
United Arab Emirates	29 (1.4)	▼
Russian Federation	29 (2.2)	▼
Botswana (9)	27 (1.9)	▼
Lithuania	25 (2.0)	▼
Turkey	23 (1.7)	▼
Thailand	23 (1.9)	▼
Qatar	23 (1.7)	▼
Egypt	22 (1.7)	▼
Saudi Arabia	17 (1.8)	▼
Georgia	16 (1.9)	▼
Chile	16 (1.5)	▼
Malaysia	16 (1.4)	▼
Lebanon	14 (1.4)	▼
Iran, Islamic Rep. of	13 (1.6)	▼
Kuwait	11 (2.0)	▼
South Africa (9)	9 (1.1)	▼
Oman	9 (1.0)	▼
Jordan	9 (1.2)	▼
Morocco	5 (0.6)	▼
<b>Benchmarking Participants</b>		
Norway (8)	57 (2.2)	▲
Ontario, Canada	54 (2.2)	▲
Quebec, Canada	48 (3.4)	▲
Florida, US	44 (2.7)	▲
Dubai, UAE	44 (1.8)	▲
Abu Dhabi, UAE	25 (2.3)	▼
Buenos Aires, Argentina	13 (1.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_01 (M062271): Randy's blue balloons**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	85 (1.5)	▲
Korea, Rep. of	82 (1.5)	▲
Hong Kong SAR	77 (2.0)	▲
Chinese Taipei	74 (1.5)	▲
Japan	63 (1.6)	▲
Ireland	63 (2.2)	▲
Norway (9)	62 (2.2)	▲
Sweden	61 (1.9)	▲
Canada	58 (1.7)	▲
Russian Federation	58 (3.0)	▲
Israel	58 (2.1)	▲
Kazakhstan	55 (3.0)	
Turkey	54 (2.1)	
Slovenia	53 (2.2)	
Jordan	52 (1.8)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Italy	49 (2.5)	
United States	48 (1.5)	
Qatar	48 (2.3)	
Bahrain	48 (2.1)	
Hungary	47 (2.0)	
Egypt	47 (1.8)	
England	46 (2.1)	
Australia	46 (1.8)	▼
Lithuania	46 (2.7)	
Malaysia	45 (1.9)	▼
New Zealand	44 (2.0)	▼
United Arab Emirates	43 (1.4)	▼
Malta	43 (1.9)	▼
Morocco	42 (1.5)	▼
Iran, Islamic Rep. of	40 (2.1)	▼
Georgia	38 (2.2)	▼
Lebanon	37 (2.6)	▼
Thailand	35 (2.2)	▼
Chile	34 (2.0)	▼
Oman	33 (1.3)	▼
South Africa (9)	32 (1.5)	▼
Botswana (9)	31 (2.1)	▼
Saudi Arabia	25 (2.0)	▼
Kuwait	- -	
<b>Benchmarking Participants</b>		
Quebec, Canada	68 (3.2)	▲
Norway (8)	56 (2.3)	▲
Ontario, Canada	54 (2.0)	
Dubai, UAE	53 (2.1)	
Abu Dhabi, UAE	39 (3.0)	▼
Florida, US	36 (2.9)	▼
Buenos Aires, Argentina	31 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A dash (-) indicates comparable data not available

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_02 (M062152): Least number of crates for Harry's apples**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	84 (1.8)	▲
Chinese Taipei	77 (1.5)	▲
Singapore	71 (1.9)	▲
Japan	65 (1.7)	▲
Korea, Rep. of	62 (1.9)	▲
Norway (9)	62 (2.4)	▲
Canada	59 (1.7)	▲
Ireland	58 (2.0)	▲
Lithuania	57 (2.7)	▲
England	55 (2.5)	▲
Sweden	52 (2.4)	▲
United States	52 (1.5)	▲
Russian Federation	50 (2.8)	▲
Slovenia	49 (2.0)	▲
Hungary	47 (2.4)	▲
Malta	45 (2.4)	▲
Kazakhstan	44 (2.6)	▲
Australia	44 (1.9)	▲
Israel	44 (2.0)	▲
Malaysia	40 (1.9)	
<b>International Avg.</b>	<b>39 (0.3)</b>	
New Zealand	37 (2.0)	
Italy	34 (2.0)	▼
United Arab Emirates	31 (1.2)	▼
Georgia	31 (2.4)	▼
Thailand	25 (2.0)	▼
Qatar	25 (1.5)	▼
Turkey	25 (2.0)	▼
Bahrain	22 (1.7)	▼
Botswana (9)	21 (1.8)	▼
Morocco	20 (1.4)	▼
Chile	20 (1.8)	▼
Iran, Islamic Rep. of	18 (1.6)	▼
Oman	16 (1.3)	▼
Lebanon	15 (1.7)	▼
Egypt	15 (1.3)	▼
Kuwait	14 (1.9)	▼
South Africa (9)	13 (1.5)	▼
Saudi Arabia	12 (1.4)	▼
Jordan	10 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	74 (3.0)	▲
Florida, US	54 (3.4)	▲
Ontario, Canada	54 (2.3)	▲
Norway (8)	49 (2.4)	▲
Dubai, UAE	40 (2.2)	
Abu Dhabi, UAE	28 (2.1)	▼
Buenos Aires, Argentina	18 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_03 (M062215): Fill in new price/discount in bicycle sale table**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	68 (1.9) ▲	83 (1.5) ▲
Hong Kong SAR	48 (2.4) ▲	65 (2.2) ▲
Chinese Taipei	41 (2.1) ▲	57 (1.9) ▲
Sweden	40 (2.6) ▲	65 (2.4) ▲
Ireland	39 (2.3) ▲	63 (2.2) ▲
Japan	39 (1.9) ▲	55 (1.9) ▲
Korea, Rep. of	38 (2.1) ▲	51 (2.2) ▲
Norway (9)	38 (2.3) ▲	67 (2.4) ▲
Russian Federation	37 (2.7) ▲	59 (3.0) ▲
Israel	34 (2.3) ▲	51 (2.1) ▲
Hungary	33 (2.3) ▲	52 (2.4) ▲
Kazakhstan	32 (2.9) ▲	51 (2.9) ▲
Canada	31 (1.7) ▲	54 (2.0) ▲
England	28 (2.1) ▲	49 (2.6) ▲
Lithuania	27 (1.8) ▲	47 (2.2) ▲
Australia	27 (1.6) ▲	47 (1.8) ▲
Slovenia	25 (2.0)	50 (2.5) ▲
Malaysia	25 (1.6)	40 (2.0)
United States	24 (1.5)	39 (1.6)
New Zealand	23 (1.7)	43 (2.1) ▲
Malta	23 (1.7)	40 (1.8)
<b>International Avg.</b>	<b>22 (0.3)</b>	<b>38 (0.3)</b>
Italy	19 (1.9)	37 (2.3)
United Arab Emirates	15 (0.8) ▼	31 (1.1) ▼
Qatar	15 (1.5) ▼	31 (1.8) ▼
Turkey	12 (1.5) ▼	27 (2.0) ▼
Thailand	10 (1.5) ▼	29 (1.9) ▼
Georgia	9 (1.8) ▼	27 (2.5) ▼
Lebanon	9 (1.8) ▼	18 (1.8) ▼
Iran, Islamic Rep. of	8 (1.3) ▼	20 (1.9) ▼
Chile	7 (1.1) ▼	23 (1.6) ▼
Bahrain	6 (0.9) ▼	18 (1.5) ▼
Botswana (9)	6 (1.0) ▼	19 (1.6) ▼
Egypt	5 (0.9) ▼	14 (1.5) ▼
Oman	4 (0.8) ▼	13 (1.0) ▼
Jordan	4 (0.9) ▼	16 (2.0) ▼
Kuwait	3 (1.1) ▼	12 (1.8) ▼
South Africa (9)	3 (0.8) ▼	10 (1.3) ▼
Saudi Arabia	2 (0.7) ▼	13 (1.6) ▼
Morocco	2 (0.4) ▼	10 (0.9) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	39 (2.8) ▲	60 (3.0) ▲
Ontario, Canada	28 (2.3) ▲	52 (2.8) ▲
Norway (8)	27 (2.0) ▲	57 (2.4) ▲
Dubai, UAE	24 (1.7)	45 (2.1) ▲
Florida, US	22 (3.0)	35 (3.7)
Abu Dhabi, UAE	11 (1.5) ▼	23 (1.9) ▼
Buenos Aires, Argentina	5 (1.0) ▼	17 (1.6) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_04 (M062143): Number of girls in a class given boys:girls**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	85 (1.5)	▲
Korea, Rep. of	64 (1.9)	▲
Chinese Taipei	62 (2.1)	▲
Hong Kong SAR	54 (2.5)	▲
Japan	52 (2.1)	▲
Russian Federation	40 (3.5)	▲
Kazakhstan	38 (3.4)	▲
Israel	33 (2.1)	▲
England	31 (2.1)	▲
Ireland	31 (2.1)	▲
Canada	31 (1.8)	▲
Hungary	30 (2.2)	▲
Australia	30 (1.6)	▲
Norway (9)	29 (2.1)	▲
New Zealand	26 (1.7)	
United States	25 (1.5)	
<b>International Avg.</b>	<b>24 (0.3)</b>	
Lithuania	23 (2.2)	
Slovenia	23 (2.3)	
Sweden	21 (1.7)	
Georgia	20 (2.4)	
Malta	19 (1.4)	▼
Malaysia	19 (1.4)	▼
Turkey	17 (1.7)	▼
United Arab Emirates	15 (0.8)	▼
Qatar	15 (1.4)	▼
Iran, Islamic Rep. of	13 (1.7)	▼
Thailand	13 (1.2)	▼
Italy	11 (1.3)	▼
Egypt	10 (1.5)	▼
Chile	8 (1.2)	▼
Bahrain	7 (0.9)	▼
Jordan	6 (1.3)	▼
Oman	5 (0.9)	▼
Botswana (9)	5 (0.8)	▼
South Africa (9)	4 (0.6)	▼
Lebanon	4 (1.0)	▼
Kuwait	4 (0.9)	▼
Saudi Arabia	1 (0.4)	▼
Morocco	1 (0.2)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	32 (2.2)	▲
Quebec, Canada	26 (2.6)	
Dubai, UAE	26 (1.6)	
Florida, US	23 (2.5)	
Norway (8)	19 (1.9)	▼
Abu Dhabi, UAE	10 (2.0)	▼
Buenos Aires, Argentina	4 (0.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_05 (M062230): Identify expression equivalent to  $(3x+6)/9x$**   
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	74 (1.9)	▲
Chinese Taipei	62 (1.7)	▲
Kazakhstan	60 (3.0)	▲
Hong Kong SAR	53 (2.5)	▲
Russian Federation	51 (3.3)	▲
Japan	50 (2.0)	▲
Bahrain	44 (1.5)	▲
Korea, Rep. of	43 (2.5)	▲
Israel	39 (1.9)	▲
Turkey	37 (1.9)	▲
Georgia	37 (2.8)	▲
Hungary	35 (2.3)	
Lebanon	31 (2.2)	
<b>International Avg.</b>	<b>31 (0.3)</b>	
Ireland	29 (2.2)	
Egypt	29 (1.8)	
Qatar	27 (1.6)	▼
Malaysia	27 (1.7)	▼
England	27 (1.8)	▼
United States	27 (1.3)	▼
United Arab Emirates	26 (1.1)	▼
Chile	26 (2.0)	▼
Jordan	25 (1.9)	▼
Malta	25 (1.7)	▼
Kuwait	25 (2.2)	▼
Canada	24 (1.8)	▼
Thailand	22 (1.7)	▼
Oman	22 (1.4)	▼
Sweden	21 (1.8)	▼
Iran, Islamic Rep. of	21 (1.5)	▼
Botswana (9)	21 (1.4)	▼
Norway (9)	21 (1.6)	▼
Saudi Arabia	20 (1.8)	▼
South Africa (9)	20 (1.3)	▼
Australia	19 (1.3)	▼
New Zealand	18 (1.4)	▼
Morocco	18 (1.2)	▼
Italy	15 (1.4)	▼
Lithuania	15 (1.6)	▼
Slovenia	14 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	34 (1.9)	
Florida, US	31 (2.8)	
Quebec, Canada	29 (3.1)	
Buenos Aires, Argentina	21 (2.3)	▼
Abu Dhabi, UAE	20 (1.7)	▼
Ontario, Canada	19 (2.1)	▼
Norway (8)	18 (2.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_06 (M062095): Equation for Bruno's monthly cell phone cost**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	78 (1.6)	▲
Chinese Taipei	75 (1.7)	▲
Hong Kong SAR	72 (2.1)	▲
Japan	69 (1.8)	▲
Korea, Rep. of	68 (2.0)	▲
Israel	66 (1.8)	▲
United States	63 (1.4)	▲
Canada	61 (1.8)	▲
Russian Federation	60 (2.8)	▲
Sweden	56 (2.6)	▲
Hungary	55 (2.4)	▲
Bahrain	55 (1.9)	▲
Kazakhstan	54 (2.6)	▲
Lithuania	52 (2.4)	▲
Malta	48 (1.7)	
Georgia	47 (2.6)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
New Zealand	46 (2.1)	
Malaysia	46 (1.7)	
Norway (9)	46 (2.5)	
England	46 (2.2)	
Ireland	46 (1.7)	
Australia	45 (2.0)	
Slovenia	45 (2.5)	
Turkey	44 (2.1)	
United Arab Emirates	40 (1.2)	▼
Italy	39 (2.2)	▼
Qatar	39 (2.5)	▼
Iran, Islamic Rep. of	37 (2.1)	▼
Chile	35 (2.1)	▼
Thailand	34 (1.8)	▼
Oman	33 (1.6)	▼
Jordan	32 (1.4)	▼
Morocco	30 (1.3)	▼
Kuwait	27 (2.4)	▼
Saudi Arabia	27 (2.0)	▼
Lebanon	26 (2.2)	▼
Egypt	26 (1.4)	▼
Botswana (9)	26 (1.5)	▼
South Africa (9)	22 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	73 (3.6)	▲
Florida, US	57 (2.9)	▲
Ontario, Canada	57 (2.0)	▲
Dubai, UAE	51 (1.9)	▲
Abu Dhabi, UAE	35 (2.4)	▼
Norway (8)	34 (2.1)	▼
Buenos Aires, Argentina	24 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average
- ( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_07 (M062076): Room divided into classroom M and laboratory L**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Hong Kong SAR	92 (1.2)	▲
Singapore	91 (1.2)	▲
Chinese Taipei	91 (1.1)	▲
Korea, Rep. of	87 (1.5)	▲
Japan	82 (1.5)	▲
Lithuania	70 (2.2)	▲
Russian Federation	69 (2.5)	▲
Canada	66 (1.8)	▲
Kazakhstan	66 (2.6)	▲
Israel	63 (2.1)	▲
Malaysia	62 (1.5)	▲
Italy	62 (2.4)	
Bahrain	62 (1.8)	▲
Slovenia	61 (1.8)	▲
United States	60 (1.4)	
Hungary	60 (2.5)	
Malta	60 (1.9)	
Australia	59 (1.8)	
Ireland	58 (1.9)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Sweden	57 (2.9)	
Turkey	57 (2.2)	
England	54 (2.3)	
Lebanon	53 (2.6)	
United Arab Emirates	53 (1.3)	▼
Norway (9)	53 (2.4)	▼
Qatar	52 (2.4)	▼
New Zealand	52 (2.2)	▼
Iran, Islamic Rep. of	50 (2.1)	▼
Thailand	50 (2.0)	▼
Georgia	49 (2.9)	▼
Oman	47 (1.7)	▼
Chile	46 (2.0)	▼
Botswana (9)	40 (2.1)	▼
Jordan	40 (1.9)	▼
Morocco	39 (1.6)	▼
Kuwait	39 (2.6)	▼
Saudi Arabia	35 (2.3)	▼
Egypt	34 (1.8)	▼
South Africa (9)	32 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	77 (2.8)	▲
Dubai, UAE	65 (2.0)	▲
Ontario, Canada	62 (2.5)	
Florida, US	57 (3.0)	
Abu Dhabi, UAE	46 (2.3)	▼
Norway (8)	42 (2.3)	▼
Buenos Aires, Argentina	35 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_08 (M062030): Find cost of taxi ride with table**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	74 (2.0)	▲
Singapore	73 (1.6)	▲
Korea, Rep. of	70 (2.0)	▲
Malaysia	69 (1.9)	▲
Russian Federation	65 (2.4)	▲
Hong Kong SAR	65 (2.0)	▲
Japan	64 (1.9)	▲
Ireland	58 (2.3)	▲
United States	57 (1.6)	▲
Kazakhstan	57 (3.1)	▲
United Arab Emirates	56 (1.5)	▲
Canada	55 (2.0)	▲
Turkey	55 (2.0)	▲
Lithuania	54 (2.5)	
Malta	54 (1.8)	▲
Israel	53 (2.3)	
Bahrain	53 (2.1)	
Sweden	52 (3.0)	
Hungary	51 (2.0)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
England	50 (2.4)	
Italy	49 (2.3)	
New Zealand	48 (1.9)	
South Africa (9)	46 (1.5)	▼
Iran, Islamic Rep. of	46 (2.0)	▼
Australia	45 (1.5)	▼
Thailand	45 (2.0)	▼
Botswana (9)	45 (1.9)	▼
Slovenia	43 (2.3)	▼
Qatar	41 (1.8)	▼
Oman	41 (1.8)	▼
Georgia	41 (2.6)	▼
Chile	40 (2.1)	▼
Jordan	39 (1.9)	▼
Saudi Arabia	35 (2.3)	▼
Norway (9)	33 (2.0)	▼
Kuwait	31 (2.0)	▼
Lebanon	30 (2.2)	▼
Egypt	27 (1.6)	▼
Morocco	25 (1.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	66 (1.4)	▲
Ontario, Canada	57 (2.6)	▲
Florida, US	56 (3.1)	
Quebec, Canada	53 (2.8)	
Abu Dhabi, UAE	51 (3.0)	
Norway (8)	25 (2.2)	▼
Buenos Aires, Argentina	24 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_09 (M062171): Shaded square reflected over the line XY**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	93 (1.0)	▲
Japan	92 (1.0)	▲
Slovenia	85 (1.5)	▲
Singapore	83 (1.3)	▲
Hong Kong SAR	82 (1.7)	▲
Canada	78 (1.4)	▲
Hungary	78 (2.1)	▲
England	77 (1.9)	▲
New Zealand	74 (1.8)	▲
Australia	73 (1.7)	▲
Chinese Taipei	70 (1.7)	▲
Lithuania	70 (2.3)	▲
Malta	68 (2.0)	▲
Turkey	68 (2.0)	▲
United States	68 (1.5)	▲
Bahrain	65 (1.9)	▲
Norway (9)	65 (2.2)	
Ireland	64 (2.1)	
Malaysia	62 (1.9)	
Italy	61 (2.1)	
International Avg.	60 (0.3)	
Chile	59 (2.0)	
Russian Federation	57 (3.2)	
Kazakhstan	56 (3.0)	
Qatar	54 (2.4)	▼
Thailand	54 (2.1)	▼
United Arab Emirates	52 (1.2)	▼
Israel	52 (2.1)	▼
Oman	50 (1.7)	▼
Georgia	47 (2.9)	▼
Morocco	47 (1.7)	▼
Iran, Islamic Rep. of	46 (2.2)	▼
Egypt	43 (2.0)	▼
Lebanon	42 (2.4)	▼
Sweden	42 (2.5)	▼
Kuwait	40 (2.4)	▼
Botswana (9)	39 (2.0)	▼
Jordan	37 (1.9)	▼
Saudi Arabia	36 (2.2)	▼
South Africa (9)	31 (1.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	81 (1.8)	▲
Quebec, Canada	75 (3.0)	▲
Florida, US	69 (3.2)	▲
Dubai, UAE	66 (1.8)	▲
Norway (8)	63 (2.3)	
Abu Dhabi, UAE	49 (2.0)	▼
Buenos Aires, Argentina	33 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_10 (M062301): Sculpture from solid cube - number of faces**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	58 (1.9)	▲
Hong Kong SAR	57 (2.2)	▲
Japan	52 (2.2)	▲
Singapore	50 (2.1)	▲
Korea, Rep. of	49 (2.1)	▲
Australia	41 (1.7)	▲
Canada	37 (1.5)	▲
Hungary	37 (2.3)	▲
Ireland	37 (2.0)	▲
England	34 (2.2)	▲
Lithuania	33 (2.0)	▲
New Zealand	32 (1.6)	▲
Sweden	32 (2.2)	▲
Slovenia	31 (2.0)	▲
Norway (9)	30 (2.2)	▲
United States	28 (1.4)	▲
Italy	25 (1.9)	
Malta	23 (1.7)	
Kazakhstan	23 (2.9)	
<b>International Avg.</b>	<b>23 (0.3)</b>	
Chile	18 (1.7)	▼
Russian Federation	18 (2.1)	▼
Israel	16 (1.3)	▼
Turkey	16 (1.7)	▼
Malaysia	15 (1.2)	▼
Qatar	14 (1.8)	▼
United Arab Emirates	12 (0.7)	▼
Georgia	10 (1.9)	▼
Bahrain	9 (1.2)	▼
Thailand	6 (1.0)	▼
South Africa (9)	5 (0.9)	▼
Iran, Islamic Rep. of	5 (0.9)	▼
Kuwait	5 (1.2)	▼
Botswana (9)	4 (0.7)	▼
Oman	4 (0.6)	▼
Jordan	3 (0.9)	▼
Lebanon	3 (0.7)	▼
Saudi Arabia	2 (0.7)	▼
Morocco	2 (0.4)	▼
Egypt	2 (0.5)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	39 (1.8)	▲
Quebec, Canada	35 (2.7)	▲
Norway (8)	25 (2.1)	
Dubai, UAE	21 (1.5)	
Florida, US	17 (2.3)	▼
Abu Dhabi, UAE	10 (1.5)	▼
Buenos Aires, Argentina	8 (1.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_11 (M062194): Number of cubes in solid figure**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Chinese Taipei	94 (0.8)	▲
Korea, Rep. of	93 (1.0)	▲
Singapore	92 (1.0)	▲
Hong Kong SAR	92 (1.2)	▲
Japan	91 (1.0)	▲
Lithuania	82 (1.7)	▲
Norway (9)	82 (1.9)	▲
Russian Federation	81 (1.4)	▲
Slovenia	80 (2.0)	▲
Australia	79 (1.5)	▲
Hungary	79 (1.6)	▲
New Zealand	78 (1.6)	▲
Canada	78 (1.5)	▲
Sweden	77 (2.7)	▲
Ireland	76 (1.7)	▲
Kazakhstan	75 (2.1)	▲
Malta	75 (1.8)	▲
Israel	74 (1.7)	▲
Italy	73 (2.3)	
Bahrain	72 (1.9)	
England	72 (2.0)	
United States	71 (1.2)	
Malaysia	71 (1.6)	
<b>International Avg.</b>	<b>69 (0.3)</b>	
Turkey	65 (2.1)	▼
Georgia	62 (2.8)	▼
Chile	62 (2.5)	▼
Thailand	62 (2.3)	▼
United Arab Emirates	61 (1.3)	▼
Iran, Islamic Rep. of	60 (2.0)	▼
Qatar	57 (1.9)	▼
Morocco	55 (1.6)	▼
Oman	52 (1.8)	▼
Lebanon	51 (2.6)	▼
South Africa (9)	50 (1.7)	▼
Botswana (9)	48 (1.7)	▼
Jordan	48 (2.3)	▼
Kuwait	47 (2.5)	▼
Saudi Arabia	46 (2.5)	▼
Egypt	43 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.1)	▲
Ontario, Canada	78 (1.7)	▲
Norway (8)	76 (1.8)	▲
Florida, US	71 (3.3)	
Dubai, UAE	69 (2.7)	
Abu Dhabi, UAE	59 (2.2)	▼
Buenos Aires, Argentina	51 (2.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_12 (M062344): Total bowls to raise average to 15**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	66 (1.7)	▲
Singapore	65 (2.0)	▲
Hong Kong SAR	64 (2.5)	▲
Korea, Rep. of	55 (2.4)	▲
Russian Federation	52 (2.6)	▲
Japan	47 (2.2)	▲
Norway (9)	45 (2.7)	▲
Lithuania	45 (2.5)	▲
Israel	41 (2.0)	▲
Slovenia	33 (2.1)	▲
Malaysia	26 (1.6)	▲
Sweden	26 (2.0)	
Kazakhstan	25 (2.5)	
Bahrain	24 (1.8)	
<b>International Avg.</b>	<b>23 (0.3)</b>	
Ireland	21 (1.9)	
Hungary	17 (1.4)	▼
Iran, Islamic Rep. of	16 (1.5)	▼
Turkey	16 (1.3)	▼
United States	16 (1.2)	▼
Australia	15 (1.2)	▼
England	15 (1.4)	▼
Canada	15 (1.2)	▼
Italy	13 (1.2)	▼
Malta	13 (1.5)	▼
Thailand	12 (1.2)	▼
United Arab Emirates	11 (0.7)	▼
South Africa (9)	11 (1.0)	▼
New Zealand	11 (1.1)	▼
Botswana (9)	10 (0.9)	▼
Georgia	9 (2.2)	▼
Oman	9 (0.8)	▼
Kuwait	9 (1.1)	▼
Saudi Arabia	8 (1.4)	▼
Qatar	8 (1.3)	▼
Lebanon	6 (1.2)	▼
Chile	4 (0.7)	▼
Egypt	3 (0.6)	▼
Jordan	3 (0.6)	▼
Morocco	3 (0.4)	▼
<b>Benchmarking Participants</b>		
Norway (8)	39 (2.3)	▲
Dubai, UAE	18 (1.5)	▼
Quebec, Canada	16 (1.5)	▼
Ontario, Canada	15 (1.7)	▼
Florida, US	13 (2.4)	▼
Buenos Aires, Argentina	11 (1.6)	▼
Abu Dhabi, UAE	9 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_13 (M062320): Fishing histogram - proportion of fish released**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	84 (1.3)	▲
Korea, Rep. of	81 (1.7)	▲
Hong Kong SAR	76 (2.0)	▲
Chinese Taipei	73 (1.7)	▲
Japan	68 (1.7)	▲
Ireland	62 (2.4)	▲
Sweden	55 (2.4)	▲
Canada	53 (1.8)	▲
Norway (9)	53 (2.4)	▲
England	50 (2.6)	▲
Australia	48 (1.8)	▲
United States	47 (1.5)	▲
Israel	46 (2.3)	▲
New Zealand	46 (1.7)	▲
Russian Federation	45 (2.6)	▲
Hungary	44 (2.2)	▲
Lithuania	43 (2.7)	
Slovenia	43 (2.3)	
Malta	43 (1.8)	▲
Bahrain	41 (1.9)	
Kazakhstan	40 (2.7)	
<b>International Avg.</b>	<b>39 (0.3)</b>	
Turkey	37 (2.1)	
Malaysia	33 (1.9)	▼
United Arab Emirates	32 (1.5)	▼
Italy	31 (2.4)	▼
Qatar	27 (1.8)	▼
Georgia	25 (2.6)	▼
Iran, Islamic Rep. of	24 (2.1)	▼
Botswana (9)	19 (1.6)	▼
Oman	19 (1.5)	▼
Egypt	19 (1.7)	▼
Thailand	17 (1.7)	▼
Lebanon	17 (2.0)	▼
Saudi Arabia	16 (1.8)	▼
South Africa (9)	15 (1.6)	▼
Chile	15 (1.7)	▼
Kuwait	15 (1.8)	▼
Jordan	13 (1.1)	▼
Morocco	12 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	64 (2.4)	▲
Ontario, Canada	50 (2.2)	▲
Norway (8)	44 (2.1)	▲
Dubai, UAE	44 (2.6)	
Florida, US	41 (4.1)	
Abu Dhabi, UAE	28 (3.1)	▼
Buenos Aires, Argentina	13 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M12\_14 (M062296): Draw a spinner given chance of outcomes**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	82 (1.4)	▲
Korea, Rep. of	78 (1.8)	▲
Australia	76 (1.7)	▲
Hong Kong SAR	75 (2.2)	▲
Singapore	75 (1.7)	▲
Canada	74 (1.6)	▲
England	71 (2.1)	▲
Ireland	70 (2.3)	▲
Sweden	69 (2.8)	▲
Norway (9)	67 (2.7)	▲
Chinese Taipei	67 (1.9)	▲
Hungary	67 (2.4)	▲
New Zealand	64 (2.0)	▲
Italy	63 (2.4)	▲
United States	63 (1.5)	▲
Malta	54 (2.0)	▲
Israel	49 (2.2)	
Slovenia	45 (2.3)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Turkey	43 (2.2)	
Russian Federation	42 (2.7)	
Chile	42 (2.2)	
Iran, Islamic Rep. of	41 (2.2)	
Lithuania	41 (2.4)	
United Arab Emirates	38 (1.2)	▼
Bahrain	34 (1.8)	▼
Qatar	31 (2.1)	▼
Thailand	25 (2.1)	▼
Malaysia	25 (1.7)	▼
Lebanon	25 (2.3)	▼
Kazakhstan	23 (2.5)	▼
Oman	19 (1.1)	▼
Jordan	18 (1.9)	▼
Kuwait	18 (2.1)	▼
Georgia	16 (2.6)	▼
Egypt	16 (1.7)	▼
South Africa (9)	14 (1.3)	▼
Botswana (9)	12 (1.3)	▼
Morocco	12 (1.1)	▼
Saudi Arabia	9 (1.5)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	76 (1.9)	▲
Quebec, Canada	72 (3.1)	▲
Norway (8)	62 (2.7)	▲
Dubai, UAE	59 (1.7)	▲
Florida, US	56 (3.3)	▲
Buenos Aires, Argentina	30 (2.5)	▼
Abu Dhabi, UAE	30 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_01 (M052024): Octagon with equivalent shading**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	84 (1.6)	▲
Singapore	82 (1.5)	▲
Hong Kong SAR	80 (1.7)	▲
Chinese Taipei	72 (1.7)	▲
Japan	68 (1.9)	▲
Norway (9)	67 (2.0)	▲
Ireland	66 (2.4)	▲
Canada	63 (1.9)	▲
Hungary	63 (2.2)	▲
Australia	61 (1.8)	▲
United States	60 (1.7)	▲
England	60 (2.2)	▲
Israel	58 (1.8)	▲
Sweden	58 (2.2)	▲
Russian Federation	56 (2.6)	▲
Slovenia	55 (2.1)	▲
Lithuania	55 (2.4)	
Bahrain	53 (2.2)	
Kazakhstan	53 (2.6)	
New Zealand	52 (2.2)	
International Avg.	50 (0.3)	
Malta	49 (2.1)	
Georgia	46 (3.2)	
Turkey	44 (1.8)	▼
United Arab Emirates	44 (1.1)	▼
Malaysia	43 (2.1)	▼
Iran, Islamic Rep. of	41 (1.8)	▼
Italy	41 (2.4)	▼
Chile	39 (2.2)	▼
Qatar	39 (2.3)	▼
Egypt	38 (1.9)	▼
Thailand	36 (2.2)	▼
Kuwait	32 (2.7)	▼
Saudi Arabia	32 (2.5)	▼
Oman	30 (1.6)	▼
Lebanon	29 (2.3)	▼
Jordan	28 (1.6)	▼
Morocco	27 (1.3)	▼
Botswana (9)	24 (1.6)	▼
South Africa (9)	22 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	71 (3.3)	▲
Norway (8)	62 (2.0)	▲
Ontario, Canada	61 (2.2)	▲
Dubai, UAE	57 (1.6)	▲
Florida, US	48 (3.4)	
Abu Dhabi, UAE	39 (2.2)	▼
Buenos Aires, Argentina	27 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_02A (M052058A): Time when Pat finishes last lap**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	91 (1.2)	▲
Singapore	90 (1.1)	▲
Hong Kong SAR	89 (1.6)	▲
Chinese Taipei	89 (1.2)	▲
Sweden	82 (1.9)	▲
Norway (9)	82 (1.6)	▲
Ireland	81 (1.5)	▲
Japan	80 (1.5)	▲
Russian Federation	79 (2.1)	▲
England	79 (2.1)	▲
Slovenia	79 (1.8)	▲
Hungary	77 (1.8)	▲
Canada	77 (1.5)	▲
Lithuania	74 (2.1)	▲
New Zealand	74 (1.8)	▲
Australia	73 (1.6)	▲
Israel	73 (1.7)	▲
United States	72 (1.3)	▲
Malta	71 (1.8)	▲
Italy	70 (2.1)	▲
<b>International Avg.</b>	<b>59 (0.3)</b>	
Turkey	56 (2.3)	
Malaysia	55 (2.2)	
United Arab Emirates	52 (1.5)	▼
Kazakhstan	51 (2.4)	▼
Chile	50 (2.3)	▼
Georgia	49 (2.7)	▼
Thailand	47 (2.3)	▼
Qatar	45 (2.0)	▼
Iran, Islamic Rep. of	45 (2.3)	▼
Lebanon	40 (2.7)	▼
Bahrain	39 (1.8)	▼
Jordan	30 (1.8)	▼
Botswana (9)	29 (1.6)	▼
Kuwait	29 (2.4)	▼
Oman	27 (1.7)	▼
Morocco	23 (1.3)	▼
Saudi Arabia	21 (1.5)	▼
Egypt	21 (1.7)	▼
South Africa (9)	21 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.5)	▲
Norway (8)	79 (2.2)	▲
Ontario, Canada	74 (2.1)	▲
Dubai, UAE	65 (2.6)	▲
Florida, US	63 (3.2)	
Buenos Aires, Argentina	50 (2.7)	▼
Abu Dhabi, UAE	48 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_02B (M052058B): Percentage of laps finished**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	63 (1.9)	▲
Hong Kong SAR	60 (2.4)	▲
Korea, Rep. of	55 (2.2)	▲
Chinese Taipei	48 (2.1)	▲
Japan	47 (2.0)	▲
Ireland	42 (1.9)	▲
United States	33 (1.8)	▲
Canada	33 (1.7)	▲
Norway (9)	33 (2.0)	▲
Australia	30 (1.8)	▲
Sweden	30 (2.2)	▲
England	30 (1.9)	▲
Russian Federation	28 (2.5)	▲
Israel	27 (1.7)	▲
New Zealand	26 (1.5)	▲
Hungary	25 (2.0)	
Kazakhstan	25 (2.5)	
<b>International Avg.</b>	<b>22 (0.3)</b>	
Malta	22 (1.5)	
Lithuania	21 (2.4)	
Slovenia	20 (1.6)	
Turkey	19 (1.8)	
United Arab Emirates	17 (1.0)	▼
Italy	16 (1.7)	▼
Malaysia	16 (1.3)	▼
Georgia	13 (2.4)	▼
Qatar	12 (1.3)	▼
Chile	12 (1.5)	▼
Bahrain	9 (1.3)	▼
Thailand	8 (1.3)	▼
Iran, Islamic Rep. of	8 (1.2)	▼
Lebanon	7 (1.5)	▼
Botswana (9)	7 (1.0)	▼
Kuwait	5 (1.3)	▼
Egypt	5 (1.1)	▼
Saudi Arabia	5 (1.3)	▼
South Africa (9)	4 (0.8)	▼
Oman	4 (0.6)	▼
Jordan	3 (0.8)	▼
Morocco	2 (0.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	37 (2.9)	▲
Ontario, Canada	30 (2.1)	▲
Florida, US	27 (2.6)	
Dubai, UAE	27 (2.1)	▲
Norway (8)	25 (2.1)	
Abu Dhabi, UAE	14 (1.6)	▼
Buenos Aires, Argentina	5 (1.3)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_03 (M052125): Multiples of 3**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	75 (1.8)	▲
Japan	71 (1.8)	▲
Russian Federation	71 (2.4)	▲
Korea, Rep. of	70 (2.2)	▲
Hong Kong SAR	68 (2.3)	▲
Chinese Taipei	65 (2.1)	▲
England	60 (2.2)	▲
Italy	59 (2.4)	▲
Canada	52 (1.6)	▲
Ireland	52 (2.3)	▲
Slovenia	51 (2.6)	▲
Malta	50 (1.8)	▲
Turkey	49 (2.0)	▲
United States	49 (1.4)	▲
Israel	47 (2.2)	▲
Kazakhstan	45 (2.6)	▲
Australia	45 (2.1)	▲
Bahrain	44 (2.1)	▲
Hungary	42 (2.6)	
New Zealand	41 (2.0)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Chile	39 (2.2)	
United Arab Emirates	37 (1.1)	▼
Botswana (9)	33 (1.8)	▼
Lebanon	32 (2.6)	▼
Qatar	30 (1.6)	▼
Georgia	29 (2.7)	▼
Iran, Islamic Rep. of	26 (2.3)	▼
Thailand	24 (1.6)	▼
Oman	23 (1.4)	▼
South Africa (9)	22 (1.4)	▼
Kuwait	21 (2.2)	▼
Malaysia	20 (1.2)	▼
Norway (9)	16 (1.9)	▼
Jordan	15 (1.4)	▼
Saudi Arabia	14 (1.6)	▼
Lithuania	14 (1.7)	▼
Sweden	13 (1.6)	▼
Morocco	13 (1.0)	▼
Egypt	13 (1.2)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	55 (2.1)	▲
Quebec, Canada	54 (2.3)	▲
Ontario, Canada	53 (2.3)	▲
Florida, US	45 (3.9)	
Buenos Aires, Argentina	42 (2.9)	
Abu Dhabi, UAE	26 (2.1)	▼
Norway (8)	11 (1.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_04 (M052229): Convert decimal to a fraction.**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	93 (1.1)	▲
Singapore	93 (0.9)	▲
Hong Kong SAR	80 (2.2)	▲
Chinese Taipei	78 (1.6)	▲
Japan	73 (1.7)	▲
Russian Federation	72 (2.0)	▲
Ireland	67 (2.2)	▲
Kazakhstan	65 (2.8)	▲
Slovenia	64 (2.3)	▲
Iran, Islamic Rep. of	61 (2.0)	▲
Georgia	58 (2.6)	▲
Lebanon	56 (2.7)	▲
United States	53 (1.8)	▲
Lithuania	52 (3.0)	
Jordan	51 (2.2)	
United Arab Emirates	51 (1.3)	▲
Hungary	50 (2.6)	
Israel	50 (1.9)	
Malaysia	50 (2.2)	
International Avg.	49 (0.3)	
Egypt	48 (1.9)	
Malta	47 (2.0)	
Turkey	46 (2.3)	
Italy	43 (2.4)	▼
Australia	42 (1.8)	▼
Canada	41 (1.8)	▼
Qatar	39 (2.1)	▼
Bahrain	37 (2.1)	▼
Thailand	37 (2.6)	▼
Kuwait	37 (2.7)	▼
England	35 (2.2)	▼
Oman	35 (1.5)	▼
New Zealand	32 (2.8)	▼
Morocco	31 (1.6)	▼
South Africa (9)	28 (2.2)	▼
Saudi Arabia	25 (2.4)	▼
Norway (9)	24 (2.1)	▼
Sweden	23 (2.0)	▼
Botswana (9)	17 (1.3)	▼
Chile	14 (1.2)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	56 (1.7)	▲
Quebec, Canada	49 (3.1)	
Abu Dhabi, UAE	47 (2.5)	
Florida, US	36 (2.5)	▼
Ontario, Canada	35 (2.1)	▼
Norway (8)	32 (2.4)	▼
Buenos Aires, Argentina	21 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_05 (M052063): Expression for area of rectangle**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	89 (1.4)	▲
Hong Kong SAR	84 (1.9)	▲
Chinese Taipei	83 (1.5)	▲
Korea, Rep. of	82 (1.7)	▲
Russian Federation	72 (2.4)	▲
Japan	72 (1.5)	▲
Kazakhstan	66 (2.7)	▲
Israel	60 (2.0)	▲
Bahrain	55 (1.8)	▲
Lebanon	51 (2.7)	▲
Turkey	49 (2.2)	▲
Georgia	48 (3.2)	
United States	47 (1.7)	
Iran, Islamic Rep. of	47 (2.0)	
Malaysia	45 (2.2)	
United Arab Emirates	44 (1.5)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Qatar	43 (2.0)	
England	41 (2.4)	
Ireland	41 (2.0)	
Lithuania	41 (2.8)	
Malta	39 (2.1)	▼
Oman	39 (1.7)	▼
Hungary	35 (2.1)	▼
Thailand	35 (2.3)	▼
Sweden	32 (2.7)	▼
Egypt	32 (2.1)	▼
Morocco	31 (1.4)	▼
Australia	31 (1.9)	▼
Canada	30 (1.7)	▼
Slovenia	28 (1.9)	▼
New Zealand	28 (2.3)	▼
Italy	28 (2.1)	▼
Jordan	27 (1.7)	▼
Norway (9)	26 (2.1)	▼
Kuwait	25 (2.1)	▼
Saudi Arabia	23 (2.1)	▼
Botswana (9)	23 (1.7)	▼
South Africa (9)	21 (1.6)	▼
Chile	19 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	58 (2.3)	▲
Quebec, Canada	48 (3.0)	
Florida, US	43 (3.6)	
Abu Dhabi, UAE	41 (2.9)	
Ontario, Canada	23 (1.8)	▼
Norway (8)	23 (1.9)	▼
Buenos Aires, Argentina	13 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_06 (M052072): Expression with exponents of y**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Hong Kong SAR	85 (1.5)	▲
Korea, Rep. of	85 (1.3)	▲
Slovenia	84 (1.9)	▲
Japan	80 (1.6)	▲
Singapore	79 (1.7)	▲
Chinese Taipei	77 (1.7)	▲
Lebanon	77 (2.5)	▲
Russian Federation	76 (2.4)	▲
Italy	72 (2.3)	▲
Kazakhstan	69 (2.8)	▲
Hungary	68 (2.2)	▲
Australia	60 (1.9)	
Malta	60 (1.9)	
United States	59 (1.6)	
Israel	59 (2.2)	
Lithuania	57 (2.7)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Norway (9)	57 (2.4)	
England	57 (2.3)	
Iran, Islamic Rep. of	56 (2.3)	
United Arab Emirates	55 (1.3)	
Ireland	55 (2.2)	
Qatar	55 (2.1)	
Bahrain	55 (2.2)	
Georgia	54 (2.6)	
Egypt	53 (1.8)	▼
New Zealand	52 (2.5)	▼
Sweden	51 (2.9)	▼
Canada	48 (1.6)	▼
Malaysia	48 (2.1)	▼
Jordan	47 (1.8)	▼
Turkey	45 (2.1)	▼
Kuwait	45 (2.4)	▼
Oman	42 (1.5)	▼
Chile	41 (1.9)	▼
Thailand	40 (2.5)	▼
Morocco	36 (1.4)	▼
South Africa (9)	33 (2.4)	▼
Botswana (9)	31 (1.8)	▼
Saudi Arabia	24 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	71 (1.5)	▲
Quebec, Canada	66 (2.3)	▲
Florida, US	53 (3.8)	
Abu Dhabi, UAE	49 (2.9)	▼
Ontario, Canada	43 (2.2)	▼
Norway (8)	37 (2.5)	▼
Buenos Aires, Argentina	34 (2.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_07A (M052146A): Number of matches for figure 10**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	83 (1.6)	▲
Singapore	80 (1.6)	▲
Japan	78 (1.7)	▲
Korea, Rep. of	73 (1.8)	▲
Hong Kong SAR	70 (2.2)	▲
Canada	55 (1.8)	▲
Sweden	54 (2.5)	▲
Israel	51 (2.0)	▲
Italy	51 (1.9)	▲
Kazakhstan	51 (2.9)	
Malta	51 (1.9)	▲
Slovenia	50 (2.7)	
Russian Federation	50 (2.5)	
Malaysia	49 (1.7)	▲
Australia	48 (1.9)	
Thailand	47 (2.1)	
Hungary	47 (2.4)	
United Arab Emirates	46 (1.4)	
New Zealand	46 (1.5)	
<b>International Avg.</b>	<b>46 (0.3)</b>	
Ireland	45 (2.1)	
Norway (9)	45 (1.9)	
England	45 (2.4)	
Iran, Islamic Rep. of	45 (2.0)	
Turkey	44 (2.0)	
United States	44 (1.4)	
Lithuania	44 (2.9)	
Bahrain	42 (1.9)	
Botswana (9)	38 (2.0)	▼
Qatar	37 (1.8)	▼
Georgia	36 (3.0)	▼
Chile	36 (2.0)	▼
South Africa (9)	35 (1.6)	▼
Jordan	32 (2.1)	▼
Oman	31 (1.5)	▼
Saudi Arabia	23 (2.1)	▼
Lebanon	22 (2.1)	▼
Kuwait	20 (2.0)	▼
Egypt	20 (1.4)	▼
Morocco	19 (1.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	58 (1.7)	▲
Quebec, Canada	58 (2.4)	▲
Ontario, Canada	55 (2.0)	▲
Florida, US	43 (3.2)	
Norway (8)	43 (2.2)	
Abu Dhabi, UAE	42 (2.9)	
Buenos Aires, Argentina	25 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_07B (M052146B): Rule for number of matches**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	56 (1.9)	▲
Japan	55 (2.1)	▲
Chinese Taipei	53 (2.1)	▲
Korea, Rep. of	40 (2.1)	▲
Hong Kong SAR	37 (2.6)	▲
Sweden	29 (2.1)	▲
Canada	27 (1.9)	▲
Israel	26 (1.9)	▲
England	21 (1.8)	▲
Turkey	20 (1.8)	▲
New Zealand	19 (1.6)	▲
Kazakhstan	19 (2.1)	
Iran, Islamic Rep. of	17 (2.0)	
Russian Federation	16 (2.1)	
<b>International Avg.</b>	<b>16 (0.2)</b>	
Australia	16 (1.4)	
United States	15 (1.2)	
Malta	15 (1.2)	
United Arab Emirates	15 (0.8)	
Hungary	13 (1.3)	▼
Qatar	11 (1.2)	▼
Lithuania	10 (1.6)	▼
Slovenia	9 (1.2)	▼
Ireland	9 (1.3)	▼
Norway (9)	9 (1.2)	▼
South Africa (9)	8 (1.3)	▼
Thailand	7 (1.4)	▼
Jordan	7 (1.0)	▼
Bahrain	7 (1.0)	▼
Oman	6 (0.7)	▼
Malaysia	6 (0.8)	▼
Georgia	5 (1.2)	▼
Italy	5 (1.2)	▼
Egypt	5 (1.0)	▼
Saudi Arabia	4 (1.0)	▼
Chile	4 (0.8)	▼
Lebanon	3 (0.9)	▼
Kuwait	2 (1.1)	▼
Morocco	2 (0.3)	▼
Botswana (9)	1 (0.3)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	31 (2.9)	▲
Dubai, UAE	24 (1.4)	▲
Quebec, Canada	22 (2.2)	▲
Abu Dhabi, UAE	12 (1.5)	▼
Florida, US	10 (2.0)	▼
Norway (8)	6 (0.8)	▼
Buenos Aires, Argentina	3 (0.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_08 (M052092): Graph of  $y = 2x$   
Multiple Choice (Key is A)**

Country	Percent Correct	
Japan	70 (2.1)	▲
Kazakhstan	61 (3.0)	▲
Korea, Rep. of	48 (2.3)	▲
Russian Federation	48 (3.5)	▲
Bahrain	45 (1.8)	▲
United States	44 (1.7)	▲
Israel	36 (1.9)	▲
Chinese Taipei	36 (2.3)	▲
Singapore	32 (1.7)	▲
Hong Kong SAR	27 (1.9)	
Hungary	26 (2.1)	
United Arab Emirates	25 (1.1)	
<b>International Avg.</b>	<b>25 (0.3)</b>	
Jordan	23 (1.6)	
Iran, Islamic Rep. of	21 (1.4)	▼
Italy	21 (2.1)	
Australia	20 (1.7)	▼
New Zealand	20 (1.8)	▼
Oman	20 (1.2)	▼
Morocco	20 (1.4)	▼
Georgia	19 (2.8)	
Lithuania	19 (2.2)	▼
Malaysia	19 (1.3)	▼
Saudi Arabia	18 (1.7)	▼
England	18 (1.5)	▼
Egypt	18 (1.5)	▼
Kuwait	18 (2.1)	▼
Turkey	17 (1.7)	▼
Qatar	17 (1.6)	▼
Malta	17 (1.6)	▼
Botswana (9)	16 (1.3)	▼
Norway (9)	16 (1.6)	▼
Canada	15 (1.2)	▼
Lebanon	15 (2.0)	▼
Thailand	14 (1.7)	▼
Chile	14 (1.5)	▼
South Africa (9)	14 (1.1)	▼
Ireland	13 (1.6)	▼
Sweden	12 (1.7)	▼
Slovenia	11 (1.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	38 (3.6)	▲
Dubai, UAE	26 (1.9)	
Abu Dhabi, UAE	25 (2.5)	
Quebec, Canada	16 (2.0)	▼
Ontario, Canada	16 (1.8)	▼
Norway (8)	10 (1.4)	▼
Buenos Aires, Argentina	8 (1.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_09 (M052046): Rotation and reflection**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	57 (1.7)	▲
Hong Kong SAR	52 (2.9)	▲
Bahrain	48 (1.9)	▲
Chinese Taipei	47 (2.2)	▲
Singapore	43 (1.9)	▲
Canada	41 (1.9)	▲
Korea, Rep. of	41 (2.0)	▲
Slovenia	41 (2.1)	▲
United States	38 (1.5)	▲
England	37 (2.3)	▲
Hungary	37 (2.2)	▲
Australia	36 (2.2)	▲
Ireland	34 (2.0)	▲
Malta	33 (2.1)	
New Zealand	33 (2.0)	
<b>International Avg.</b>	<b>31 (0.3)</b>	
United Arab Emirates	30 (1.3)	
Sweden	29 (2.0)	
Kazakhstan	29 (2.2)	
Turkey	29 (1.8)	
Lithuania	28 (2.2)	
Botswana (9)	28 (1.9)	
Malaysia	28 (1.3)	▼
Qatar	27 (1.9)	
Norway (9)	27 (1.8)	▼
Kuwait	25 (2.3)	▼
Oman	24 (1.4)	▼
South Africa (9)	24 (1.5)	▼
Saudi Arabia	24 (1.9)	▼
Thailand	24 (1.7)	▼
Iran, Islamic Rep. of	22 (1.7)	▼
Chile	22 (2.1)	▼
Italy	22 (1.9)	▼
Israel	21 (1.5)	▼
Russian Federation	21 (2.4)	▼
Jordan	20 (1.5)	▼
Morocco	19 (1.4)	▼
Egypt	18 (1.3)	▼
Lebanon	18 (2.0)	▼
Georgia	18 (2.1)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	43 (2.4)	▲
Quebec, Canada	40 (2.8)	▲
Dubai, UAE	35 (2.5)	
Florida, US	35 (3.5)	
Abu Dhabi, UAE	26 (2.3)	▼
Norway (8)	23 (1.7)	▼
Buenos Aires, Argentina	14 (1.8)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_10 (M052083): Surface area of the prism**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	76 (1.8)	▲
Hong Kong SAR	76 (1.9)	▲
Korea, Rep. of	71 (2.2)	▲
Chinese Taipei	69 (1.9)	▲
Japan	65 (1.8)	▲
Canada	53 (1.8)	▲
Bahrain	45 (2.0)	▲
Sweden	43 (2.5)	▲
Kazakhstan	42 (3.6)	▲
England	41 (2.1)	▲
Norway (9)	41 (2.4)	▲
Lithuania	40 (2.7)	
United States	40 (1.6)	▲
Italy	39 (2.1)	▲
Australia	39 (1.8)	▲
Russian Federation	38 (3.0)	
Ireland	37 (2.0)	
Slovenia	37 (2.2)	
Israel	35 (2.2)	
<b>International Avg.</b>	<b>35 (0.3)</b>	
Malaysia	34 (1.9)	
Hungary	33 (2.1)	
United Arab Emirates	32 (1.3)	▼
Malta	30 (1.9)	▼
New Zealand	30 (1.7)	▼
Qatar	26 (1.8)	▼
Thailand	25 (1.7)	▼
Turkey	25 (1.5)	▼
Georgia	21 (2.2)	▼
Chile	21 (1.6)	▼
Oman	20 (1.4)	▼
Iran, Islamic Rep. of	19 (1.4)	▼
Saudi Arabia	19 (1.8)	▼
Kuwait	19 (1.9)	▼
Lebanon	16 (1.8)	▼
Jordan	16 (1.5)	▼
Egypt	15 (1.5)	▼
Morocco	14 (1.1)	▼
Botswana (9)	13 (1.2)	▼
South Africa (9)	13 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	59 (3.5)	▲
Ontario, Canada	51 (2.5)	▲
Florida, US	39 (3.3)	
Dubai, UAE	38 (2.8)	
Norway (8)	34 (2.4)	
Abu Dhabi, UAE	28 (2.2)	▼
Buenos Aires, Argentina	17 (1.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_11 (M052082): Value of angle x outside triangle**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	89 (1.2)	▲
Singapore	87 (1.2)	▲
Japan	87 (1.3)	▲
Chinese Taipei	86 (1.4)	▲
Hong Kong SAR	79 (2.0)	▲
Hungary	69 (2.2)	▲
Russian Federation	66 (2.7)	▲
England	63 (1.9)	▲
Slovenia	62 (2.2)	▲
Ireland	61 (2.1)	▲
Malta	61 (2.1)	▲
Kazakhstan	60 (3.0)	▲
Canada	59 (1.8)	▲
Lebanon	58 (2.8)	
Norway (9)	58 (2.7)	
Italy	57 (2.5)	
Israel	55 (2.0)	
Australia	54 (1.8)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Botswana (9)	54 (1.9)	
Lithuania	54 (2.4)	
Bahrain	53 (2.5)	
New Zealand	52 (1.9)	
Turkey	50 (2.0)	
Sweden	49 (2.5)	
United States	49 (1.6)	▼
Malaysia	47 (2.2)	▼
Georgia	47 (3.4)	▼
United Arab Emirates	45 (1.6)	▼
Chile	45 (2.2)	▼
Oman	42 (1.9)	▼
Iran, Islamic Rep. of	42 (2.0)	▼
Qatar	41 (1.9)	▼
Egypt	38 (2.0)	▼
Jordan	38 (1.9)	▼
Thailand	34 (2.0)	▼
Morocco	30 (1.5)	▼
Kuwait	29 (2.2)	▼
Saudi Arabia	28 (2.1)	▼
South Africa (9)	27 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	72 (2.8)	▲
Norway (8)	58 (1.9)	▲
Dubai, UAE	56 (3.8)	
Ontario, Canada	55 (2.4)	
Abu Dhabi, UAE	41 (2.3)	▼
Florida, US	41 (3.5)	▼
Buenos Aires, Argentina	37 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_12 (M052161): Number of balls in a bag**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	91 (1.1)	▲
Japan	90 (1.2)	▲
Singapore	88 (1.5)	▲
Chinese Taipei	86 (1.4)	▲
Hong Kong SAR	85 (1.8)	▲
Norway (9)	83 (1.7)	▲
Sweden	81 (2.0)	▲
Canada	80 (1.4)	▲
Ireland	80 (2.5)	▲
Australia	77 (1.6)	▲
Russian Federation	76 (2.4)	▲
Slovenia	76 (1.8)	▲
United States	75 (1.5)	▲
Italy	75 (2.0)	▲
England	74 (2.1)	▲
Israel	74 (1.6)	▲
Lithuania	73 (2.4)	▲
New Zealand	72 (1.7)	▲
Hungary	70 (2.0)	▲
Kazakhstan	66 (2.5)	
Turkey	66 (1.8)	
<b>International Avg.</b>	<b>64 (0.3)</b>	
Iran, Islamic Rep. of	60 (2.0)	
Malta	60 (2.0)	
Bahrain	59 (2.1)	▼
Thailand	58 (2.2)	▼
United Arab Emirates	57 (1.7)	▼
Qatar	56 (1.7)	▼
Malaysia	55 (1.9)	▼
Chile	51 (2.0)	▼
Georgia	50 (2.9)	▼
Kuwait	42 (2.5)	▼
Oman	41 (1.7)	▼
Botswana (9)	40 (1.8)	▼
Jordan	39 (1.8)	▼
Egypt	38 (2.0)	▼
Lebanon	38 (2.9)	▼
South Africa (9)	34 (1.8)	▼
Saudi Arabia	34 (2.3)	▼
Morocco	33 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	81 (2.2)	▲
Ontario, Canada	80 (1.9)	▲
Norway (8)	79 (1.9)	▲
Dubai, UAE	72 (2.3)	▲
Florida, US	69 (2.8)	▲
Abu Dhabi, UAE	53 (2.7)	▼
Buenos Aires, Argentina	42 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_13A (M052418A): Liv's smartphone use**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	83 (1.4)	▲
Hong Kong SAR	78 (2.0)	▲
Chinese Taipei	71 (1.8)	▲
Korea, Rep. of	66 (2.1)	▲
Japan	58 (1.9)	▲
Ireland	51 (2.0)	▲
Hungary	49 (2.5)	▲
Russian Federation	49 (2.8)	▲
Kazakhstan	48 (3.0)	▲
Sweden	47 (2.2)	▲
Canada	45 (1.6)	▲
Israel	44 (2.2)	▲
England	44 (2.1)	▲
Norway (9)	44 (2.3)	▲
Malaysia	42 (1.8)	▲
Lithuania	42 (2.2)	
Slovenia	41 (2.4)	
United States	39 (1.6)	
<b>International Avg.</b>	<b>39 (0.3)</b>	
Australia	38 (2.2)	
Malta	34 (1.7)	▼
New Zealand	34 (1.6)	▼
Italy	33 (2.5)	▼
Georgia	32 (3.1)	▼
United Arab Emirates	32 (1.6)	▼
Turkey	29 (1.9)	▼
Botswana (9)	29 (1.7)	▼
Thailand	29 (2.1)	▼
Lebanon	27 (2.5)	▼
Qatar	27 (1.8)	▼
South Africa (9)	26 (1.3)	▼
Egypt	25 (1.7)	▼
Iran, Islamic Rep. of	25 (1.8)	▼
Bahrain	24 (1.7)	▼
Oman	23 (1.5)	▼
Morocco	23 (1.3)	▼
Chile	22 (1.6)	▼
Saudi Arabia	18 (2.1)	▼
Kuwait	17 (2.0)	▼
Jordan	17 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	57 (3.0)	▲
Dubai, UAE	43 (2.0)	▲
Ontario, Canada	39 (1.8)	
Norway (8)	39 (2.1)	
Florida, US	29 (2.5)	▼
Abu Dhabi, UAE	27 (3.5)	▼
Buenos Aires, Argentina	20 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M13\_13B (M052418B): Smartphone use listening to music**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	88 (1.2)	▲
Hong Kong SAR	81 (1.8)	▲
Chinese Taipei	74 (2.0)	▲
Korea, Rep. of	71 (1.8)	▲
Japan	69 (1.9)	▲
Russian Federation	63 (3.1)	▲
Ireland	63 (2.3)	▲
Hungary	62 (1.8)	▲
England	58 (2.4)	▲
United States	57 (1.6)	▲
Slovenia	56 (2.0)	▲
Canada	55 (1.8)	▲
Lithuania	54 (2.4)	▲
Israel	52 (2.3)	▲
Australia	52 (2.0)	▲
Norway (9)	52 (2.3)	
Kazakhstan	51 (2.9)	
Malaysia	49 (2.0)	
New Zealand	49 (1.9)	
Sweden	48 (3.3)	
Malta	47 (1.8)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Italy	44 (2.8)	
Chile	43 (2.5)	
Thailand	43 (2.0)	▼
United Arab Emirates	43 (1.3)	▼
Georgia	41 (3.4)	
Qatar	40 (2.0)	▼
Turkey	40 (2.0)	▼
Iran, Islamic Rep. of	39 (2.1)	▼
Oman	34 (1.6)	▼
Bahrain	30 (2.1)	▼
Botswana (9)	27 (1.6)	▼
Saudi Arabia	27 (1.7)	▼
Jordan	25 (1.8)	▼
Morocco	25 (1.2)	▼
Lebanon	24 (2.2)	▼
Kuwait	23 (2.5)	▼
Egypt	22 (1.8)	▼
South Africa (9)	20 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	59 (2.9)	▲
Dubai, UAE	54 (1.9)	▲
Ontario, Canada	53 (2.2)	▲
Norway (8)	51 (2.5)	
Florida, US	50 (2.4)	
Abu Dhabi, UAE	39 (2.4)	▼
Buenos Aires, Argentina	25 (2.7)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_01 (M062001): 276 x 85 is equal to**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	84 (1.5)	▲
Malaysia	81 (1.3)	▲
Ireland	80 (1.7)	▲
Hong Kong SAR	75 (2.2)	▲
Kazakhstan	71 (2.1)	▲
Russian Federation	70 (2.5)	▲
Israel	68 (1.7)	▲
Canada	68 (1.6)	▲
Lebanon	66 (2.5)	▲
Japan	65 (1.9)	▲
Malta	63 (2.0)	▲
United States	60 (1.7)	▲
Hungary	58 (2.3)	▲
Lithuania	58 (2.7)	
Chinese Taipei	57 (2.3)	
United Arab Emirates	57 (1.3)	▲
England	57 (2.0)	
Egypt	55 (1.9)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
Slovenia	53 (2.6)	
Australia	53 (1.9)	
Italy	52 (2.6)	
Korea, Rep. of	51 (2.2)	
Botswana (9)	50 (2.1)	
Oman	46 (1.6)	▼
Kuwait	45 (2.6)	▼
New Zealand	44 (2.2)	▼
Thailand	43 (2.1)	▼
South Africa (9)	42 (1.7)	▼
Morocco	42 (1.4)	▼
Qatar	41 (2.2)	▼
Norway (9)	40 (2.1)	▼
Bahrain	39 (2.0)	▼
Saudi Arabia	38 (2.5)	▼
Georgia	38 (3.1)	▼
Jordan	38 (2.3)	▼
Sweden	38 (2.6)	▼
Turkey	37 (1.6)	▼
Iran, Islamic Rep. of	34 (1.9)	▼
Chile	28 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	76 (2.9)	▲
Ontario, Canada	67 (2.3)	▲
Dubai, UAE	59 (2.9)	
Abu Dhabi, UAE	57 (2.3)	
Florida, US	57 (3.7)	
Norway (8)	36 (2.2)	▼
Buenos Aires, Argentina	28 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_02 (M062214): Ahmed buys ice cream and a book**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	78 (1.5)	▲
Korea, Rep. of	69 (2.3)	▲
Chinese Taipei	68 (1.9)	▲
Japan	67 (1.6)	▲
Hong Kong SAR	65 (2.2)	▲
Norway (9)	60 (2.1)	▲
Sweden	55 (2.6)	▲
Canada	54 (1.4)	▲
Ireland	51 (2.2)	▲
Israel	51 (2.0)	▲
Russian Federation	51 (3.1)	▲
Australia	51 (2.0)	▲
New Zealand	47 (2.3)	▲
Slovenia	47 (2.8)	▲
England	46 (2.5)	▲
Lithuania	46 (2.5)	▲
Hungary	45 (2.1)	▲
Kazakhstan	43 (2.9)	
United States	43 (1.6)	▲
<b>International Avg.</b>	<b>38 (0.3)</b>	
Italy	38 (2.1)	
Turkey	34 (1.7)	▼
Iran, Islamic Rep. of	32 (2.2)	▼
Malta	31 (2.0)	▼
Georgia	30 (3.1)	▼
Malaysia	28 (1.7)	▼
United Arab Emirates	25 (1.5)	▼
Chile	24 (1.9)	▼
Qatar	24 (1.7)	▼
Thailand	20 (1.5)	▼
Egypt	20 (1.5)	▼
Bahrain	19 (1.6)	▼
Kuwait	18 (1.9)	▼
Morocco	18 (1.1)	▼
Jordan	17 (1.5)	▼
Lebanon	16 (2.1)	▼
Oman	15 (1.3)	▼
Saudi Arabia	14 (2.0)	▼
Botswana (9)	8 (0.9)	▼
South Africa (9)	6 (0.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	60 (2.2)	▲
Norway (8)	56 (1.8)	▲
Ontario, Canada	51 (1.9)	▲
Dubai, UAE	35 (2.5)	
Florida, US	32 (4.0)	
Buenos Aires, Argentina	21 (2.2)	▼
Abu Dhabi, UAE	21 (2.5)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_03 (M062146): Find percent of fir trees in a park given a ratio**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	87 (1.3)	▲
Korea, Rep. of	83 (1.3)	▲
Japan	76 (1.9)	▲
Chinese Taipei	74 (1.7)	▲
Hong Kong SAR	66 (2.3)	▲
Hungary	51 (2.2)	▲
Russian Federation	50 (2.0)	▲
Ireland	48 (2.0)	▲
England	48 (2.3)	▲
Australia	45 (1.9)	▲
Lithuania	44 (2.4)	▲
Israel	39 (2.1)	
Kazakhstan	38 (2.8)	
New Zealand	38 (2.2)	
United States	38 (1.5)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
Malaysia	36 (1.8)	
Slovenia	36 (2.0)	
Iran, Islamic Rep. of	35 (2.0)	
Botswana (9)	34 (2.0)	
Malta	34 (2.0)	
Thailand	33 (2.3)	
Canada	32 (1.5)	▼
Norway (9)	32 (2.2)	▼
Georgia	30 (2.9)	▼
Qatar	30 (1.7)	▼
Chile	29 (1.9)	▼
United Arab Emirates	27 (1.4)	▼
Egypt	26 (1.6)	▼
Italy	25 (2.1)	▼
Turkey	22 (1.8)	▼
South Africa (9)	20 (1.3)	▼
Kuwait	20 (1.7)	▼
Jordan	19 (1.5)	▼
Oman	18 (1.3)	▼
Bahrain	18 (1.7)	▼
Sweden	16 (2.1)	▼
Lebanon	15 (1.7)	▼
Saudi Arabia	14 (1.6)	▼
Morocco	13 (1.1)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	40 (2.0)	
Dubai, UAE	39 (3.2)	
Florida, US	26 (2.8)	▼
Abu Dhabi, UAE	24 (2.2)	▼
Norway (8)	23 (2.0)	▼
Quebec, Canada	19 (2.2)	▼
Buenos Aires, Argentina	12 (1.6)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_04 (M062154): Number of eggs Minji needs to bake cookies**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	88 (1.1)	▲
Korea, Rep. of	87 (1.4)	▲
Chinese Taipei	84 (1.4)	▲
Japan	82 (1.4)	▲
Hong Kong SAR	82 (1.8)	▲
Lithuania	73 (2.4)	▲
Slovenia	70 (2.3)	▲
England	69 (2.2)	▲
Norway (9)	69 (1.7)	▲
Hungary	67 (2.0)	▲
Russian Federation	67 (2.8)	▲
Canada	66 (1.8)	▲
Ireland	66 (2.1)	▲
Sweden	66 (2.7)	▲
Australia	62 (1.8)	▲
Kazakhstan	60 (3.0)	▲
Israel	59 (2.1)	▲
New Zealand	58 (2.1)	▲
United States	57 (1.8)	▲
Malta	55 (1.9)	
Italy	53 (2.2)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Chile	46 (2.7)	▼
Georgia	45 (2.5)	▼
Thailand	45 (2.1)	▼
Lebanon	44 (2.7)	▼
Malaysia	42 (2.0)	▼
Turkey	42 (2.0)	▼
United Arab Emirates	39 (1.2)	▼
Iran, Islamic Rep. of	36 (2.1)	▼
Qatar	36 (1.9)	▼
Bahrain	31 (1.7)	▼
Morocco	27 (1.4)	▼
Botswana (9)	25 (1.8)	▼
South Africa (9)	24 (1.5)	▼
Jordan	22 (1.5)	▼
Kuwait	21 (2.5)	▼
Oman	20 (1.4)	▼
Egypt	18 (1.2)	▼
Saudi Arabia	17 (2.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	75 (3.1)	▲
Norway (8)	70 (1.9)	▲
Ontario, Canada	63 (2.4)	▲
Dubai, UAE	51 (2.3)	
Florida, US	49 (4.0)	
Buenos Aires, Argentina	33 (2.9)	▼
Abu Dhabi, UAE	33 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_05 (M062067): Find value of x when y=5**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	90 (1.2)	▲
Singapore	89 (1.3)	▲
Hong Kong SAR	88 (1.4)	▲
Japan	85 (1.6)	▲
Chinese Taipei	82 (1.7)	▲
United States	78 (1.3)	▲
Canada	76 (2.0)	▲
Russian Federation	76 (2.0)	▲
Israel	74 (2.0)	▲
Hungary	74 (1.9)	▲
Slovenia	72 (1.9)	▲
Kazakhstan	71 (2.8)	▲
Australia	70 (2.1)	▲
Ireland	69 (2.0)	▲
Sweden	69 (2.5)	
New Zealand	67 (1.8)	
England	67 (2.3)	
Bahrain	66 (1.9)	
Malta	66 (1.7)	
Lithuania	65 (2.5)	
<b>International Avg.</b>	<b>65 (0.3)</b>	
United Arab Emirates	64 (1.1)	
Georgia	63 (3.2)	
Norway (9)	63 (2.7)	
Lebanon	62 (2.9)	
Qatar	60 (1.8)	▼
Turkey	58 (1.9)	▼
Iran, Islamic Rep. of	57 (2.3)	▼
Italy	57 (2.2)	▼
Malaysia	56 (2.1)	▼
Jordan	55 (2.1)	▼
Oman	54 (1.4)	▼
Chile	52 (2.2)	▼
Kuwait	52 (2.3)	▼
Egypt	50 (1.8)	▼
Thailand	49 (2.2)	▼
Saudi Arabia	47 (2.9)	▼
Botswana (9)	46 (1.7)	▼
South Africa (9)	44 (2.0)	▼
Morocco	41 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	79 (2.4)	▲
Ontario, Canada	75 (2.8)	▲
Dubai, UAE	73 (1.8)	▲
Florida, US	71 (2.7)	▲
Abu Dhabi, UAE	60 (2.2)	▼
Norway (8)	53 (2.3)	▼
Buenos Aires, Argentina	47 (3.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_06 (M062341): Slope of line  $y=3x-1$   
Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	71 (1.8)	▲
Israel	60 (2.4)	▲
Bahrain	59 (2.0)	▲
United States	57 (1.6)	▲
Korea, Rep. of	54 (2.0)	▲
Singapore	49 (1.9)	▲
Kazakhstan	43 (2.7)	▲
Russian Federation	42 (3.8)	▲
Jordan	33 (1.6)	
Turkey	32 (1.9)	
Ireland	31 (2.1)	
International Avg.	31 (0.3)	
Egypt	30 (1.5)	
Malta	29 (1.7)	
United Arab Emirates	29 (1.3)	
Malaysia	29 (1.8)	
Hungary	28 (2.2)	
Qatar	28 (2.0)	
Oman	27 (1.5)	▼
Lithuania	27 (1.9)	▼
Georgia	27 (2.6)	
South Africa (9)	26 (1.6)	▼
Hong Kong SAR	26 (2.3)	▼
Iran, Islamic Rep. of	26 (1.7)	▼
Norway (9)	25 (2.1)	▼
Thailand	25 (1.8)	▼
Slovenia	25 (2.1)	▼
Morocco	25 (1.3)	▼
Saudi Arabia	24 (1.9)	▼
Italy	24 (2.0)	▼
England	24 (1.8)	▼
Lebanon	24 (2.5)	▼
Botswana (9)	24 (1.5)	▼
New Zealand	23 (1.9)	▼
Kuwait	21 (2.5)	▼
Chile	21 (1.9)	▼
Australia	21 (1.8)	▼
Chinese Taipei	20 (1.4)	▼
Canada	19 (1.5)	▼
Sweden	17 (1.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	53 (3.6)	▲
Dubai, UAE	42 (1.8)	▲
Abu Dhabi, UAE	24 (2.4)	▼
Ontario, Canada	20 (2.2)	▼
Quebec, Canada	20 (2.2)	▼
Norway (8)	18 (2.0)	▼
Buenos Aires, Argentina	13 (1.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_07 (M062242): Relationship a graph of a line in words**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	82 (1.5)	▲
Japan	81 (1.4)	▲
Singapore	81 (1.5)	▲
Korea, Rep. of	79 (1.7)	▲
United States	77 (1.1)	▲
Russian Federation	71 (2.3)	▲
Hong Kong SAR	69 (2.0)	▲
Hungary	65 (2.4)	▲
England	65 (2.2)	▲
Slovenia	65 (2.2)	▲
Canada	65 (1.7)	▲
Israel	63 (2.0)	▲
Australia	62 (1.6)	▲
Kazakhstan	59 (3.0)	
New Zealand	59 (2.0)	▲
Sweden	58 (3.0)	
Bahrain	57 (2.0)	
Lithuania	57 (2.7)	
Ireland	57 (2.0)	
Norway (9)	55 (2.1)	
Italy	55 (2.5)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Malta	53 (1.8)	
Turkey	52 (2.0)	
United Arab Emirates	52 (1.6)	
Oman	51 (1.9)	
Qatar	48 (2.0)	▼
Malaysia	45 (1.9)	▼
Georgia	44 (2.4)	▼
Jordan	43 (2.0)	▼
Saudi Arabia	40 (2.5)	▼
Thailand	40 (2.2)	▼
Iran, Islamic Rep. of	35 (2.0)	▼
Chile	35 (2.2)	▼
Botswana (9)	33 (1.8)	▼
Lebanon	32 (2.6)	▼
Egypt	31 (1.6)	▼
South Africa (9)	29 (1.3)	▼
Kuwait	28 (2.5)	▼
Morocco	23 (1.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	68 (3.5)	▲
Ontario, Canada	68 (2.4)	▲
Dubai, UAE	64 (2.5)	▲
Quebec, Canada	62 (2.8)	▲
Abu Dhabi, UAE	51 (2.6)	
Norway (8)	44 (2.1)	▼
Buenos Aires, Argentina	29 (2.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_08A (M062250A): Julia's hexagon box - decorated strip**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	80 (1.3)	▲
Singapore	79 (1.6)	▲
Chinese Taipei	78 (1.5)	▲
Japan	76 (1.7)	▲
Hong Kong SAR	71 (2.1)	▲
Slovenia	69 (2.1)	▲
Lithuania	67 (2.3)	▲
Norway (9)	66 (2.5)	▲
Australia	65 (1.8)	▲
Italy	62 (2.2)	▲
Russian Federation	62 (3.7)	▲
Sweden	62 (2.4)	▲
Canada	62 (1.9)	▲
New Zealand	61 (1.9)	▲
Ireland	60 (2.0)	▲
England	58 (2.2)	▲
Israel	54 (2.2)	▲
United States	49 (1.5)	▲
Hungary	46 (2.7)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Turkey	45 (1.9)	
Malta	44 (2.0)	
Kazakhstan	44 (2.9)	
Thailand	44 (2.2)	
Georgia	43 (2.8)	
Malaysia	42 (1.8)	
Chile	35 (2.0)	▼
United Arab Emirates	33 (1.1)	▼
Qatar	29 (2.1)	▼
Iran, Islamic Rep. of	23 (1.8)	▼
Bahrain	23 (1.7)	▼
Oman	21 (1.2)	▼
Kuwait	20 (2.1)	▼
Morocco	19 (1.4)	▼
Jordan	17 (1.4)	▼
Lebanon	17 (2.1)	▼
Egypt	14 (1.4)	▼
South Africa (9)	12 (1.2)	▼
Botswana (9)	6 (0.8)	▼
Saudi Arabia	5 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	67 (3.2)	▲
Norway (8)	66 (2.1)	▲
Ontario, Canada	60 (2.4)	▲
Dubai, UAE	44 (1.9)	
Florida, US	35 (3.3)	▼
Abu Dhabi, UAE	30 (2.0)	▼
Buenos Aires, Argentina	27 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_08B (M062250B): Julia's hexagon box - blue paper for sides**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	73 (1.8)	▲
Chinese Taipei	65 (1.7)	▲
Singapore	62 (1.9)	▲
Japan	58 (2.1)	▲
Canada	45 (2.0)	▲
Hong Kong SAR	39 (2.1)	▲
Lithuania	38 (2.6)	▲
Ireland	36 (2.3)	▲
Russian Federation	36 (3.1)	▲
Australia	33 (1.7)	▲
Italy	32 (2.0)	▲
Israel	32 (1.7)	▲
England	31 (2.2)	▲
Sweden	30 (2.2)	▲
Kazakhstan	29 (2.8)	
United States	29 (1.5)	▲
Norway (9)	27 (2.1)	
Malta	26 (1.6)	
New Zealand	26 (1.6)	
<b>International Avg.</b>	<b>25 (0.3)</b>	
Slovenia	20 (1.7)	▼
Hungary	19 (1.7)	▼
Malaysia	17 (1.5)	▼
United Arab Emirates	17 (1.0)	▼
Iran, Islamic Rep. of	16 (1.6)	▼
Turkey	15 (1.3)	▼
Qatar	15 (1.4)	▼
Georgia	12 (2.0)	▼
Thailand	12 (1.5)	▼
Bahrain	11 (1.3)	▼
Chile	11 (1.5)	▼
Oman	10 (1.1)	▼
Saudi Arabia	8 (1.2)	▼
Morocco	8 (0.8)	▼
Lebanon	8 (1.4)	▼
Kuwait	6 (1.3)	▼
Egypt	6 (0.8)	▼
Jordan	4 (0.9)	▼
Botswana (9)	3 (0.6)	▼
South Africa (9)	3 (0.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	50 (3.3)	▲
Ontario, Canada	42 (2.4)	▲
Dubai, UAE	27 (1.8)	
Norway (8)	27 (2.2)	
Florida, US	25 (3.8)	
Abu Dhabi, UAE	13 (2.0)	▼
Buenos Aires, Argentina	3 (0.9)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_09 (M062170): Fill in table for number of faces coated with paint**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	40 (2.0) ▲	70 (1.8) ▲
Japan	38 (2.1) ▲	70 (1.9) ▲
Chinese Taipei	37 (1.6) ▲	62 (1.6) ▲
Hong Kong SAR	34 (2.2) ▲	63 (2.6) ▲
Korea, Rep. of	33 (2.3) ▲	71 (1.8) ▲
Hungary	26 (2.1) ▲	66 (2.0) ▲
Lithuania	22 (2.3) ▲	67 (2.3) ▲
Russian Federation	22 (2.3) ▲	59 (2.5) ▲
Sweden	21 (2.3) ▲	53 (2.2)
Norway (9)	21 (1.8) ▲	55 (2.2) ▲
Australia	21 (1.8) ▲	59 (1.8) ▲
Canada	20 (1.5) ▲	52 (1.9)
England	18 (1.7) ▲	49 (2.5)
Ireland	17 (1.5) ▲	54 (2.3) ▲
New Zealand	16 (1.3) ▲	47 (1.8)
Slovenia	15 (1.7)	67 (2.4) ▲
United States	15 (1.1)	56 (1.5) ▲
International Avg.	14 (0.2)	49 (0.3)
Italy	12 (1.7)	53 (2.1) ▲
Kazakhstan	11 (1.9)	42 (3.0) ▼
Malta	10 (1.1) ▼	45 (2.4)
Israel	8 (1.1) ▼	43 (2.3) ▼
Malaysia	7 (0.8) ▼	43 (1.8) ▼
United Arab Emirates	7 (0.7) ▼	44 (1.3) ▼
Iran, Islamic Rep. of	7 (0.9) ▼	41 (2.0) ▼
Thailand	7 (0.9) ▼	37 (2.0) ▼
Lebanon	7 (1.2) ▼	37 (2.5) ▼
Qatar	6 (0.9) ▼	43 (2.0) ▼
Bahrain	6 (0.9) ▼	46 (2.2)
Turkey	6 (0.8) ▼	40 (1.8) ▼
Georgia	5 (1.0) ▼	35 (2.7) ▼
Chile	4 (0.8) ▼	39 (2.3) ▼
Kuwait	4 (1.0) ▼	32 (2.1) ▼
Saudi Arabia	2 (0.7) ▼	36 (2.0) ▼
Oman	2 (0.3) ▼	37 (1.8) ▼
Jordan	2 (0.5) ▼	40 (2.1) ▼
Egypt	1 (0.4) ▼	31 (1.6) ▼
South Africa (9)	1 (0.2) ▼	39 (1.6) ▼
Botswana (9)	1 (0.3) ▼	39 (2.2) ▼
Morocco	1 (0.2) ▼	43 (1.5) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	24 (2.5) ▲	65 (2.2) ▲
Norway (8)	18 (2.0) ▲	50 (2.4)
Ontario, Canada	18 (2.0) ▲	48 (2.7)
Dubai, UAE	12 (1.6)	51 (2.9)
Florida, US	11 (2.1)	55 (2.9) ▲
Abu Dhabi, UAE	5 (1.2) ▼	42 (2.0) ▼
Buenos Aires, Argentina	1 (0.6) ▼	34 (2.3) ▼

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_10 (M062192): Distance from base of ladder to base of building**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	72 (2.0)	▲
Chinese Taipei	65 (2.2)	▲
Hong Kong SAR	59 (2.8)	▲
Kazakhstan	47 (3.4)	▲
Italy	37 (2.3)	▲
Russian Federation	36 (3.6)	▲
Turkey	34 (2.4)	▲
United States	31 (1.9)	▲
Lithuania	24 (2.3)	▲
Hungary	23 (2.0)	
Iran, Islamic Rep. of	21 (1.9)	
Israel	21 (2.2)	
Korea, Rep. of	21 (2.0)	
Thailand	20 (2.1)	
<b>International Avg.</b>	<b>19 (0.3)</b>	
Malaysia	19 (1.5)	
United Arab Emirates	18 (1.0)	
Canada	17 (1.3)	▼
Malta	16 (1.3)	▼
Australia	14 (1.5)	▼
England	13 (1.5)	▼
Georgia	13 (2.3)	▼
Norway (9)	13 (1.8)	▼
Japan	12 (1.5)	▼
Bahrain	12 (1.6)	▼
Ireland	11 (1.6)	▼
Chile	10 (1.3)	▼
Slovenia	9 (1.7)	▼
New Zealand	9 (1.4)	▼
Egypt	8 (0.9)	▼
Qatar	7 (1.1)	▼
Jordan	7 (0.9)	▼
Lebanon	6 (1.1)	▼
South Africa (9)	6 (0.9)	▼
Kuwait	6 (1.5)	▼
Sweden	6 (1.2)	▼
Oman	5 (1.0)	▼
Saudi Arabia	4 (1.1)	▼
Morocco	3 (0.7)	▼
Botswana (9)	1 (0.3)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	32 (1.8)	▲
Ontario, Canada	22 (1.8)	
Florida, US	16 (3.2)	
Abu Dhabi, UAE	11 (1.2)	▼
Quebec, Canada	5 (1.1)	▼
Norway (8)	5 (0.9)	▼
Buenos Aires, Argentina	4 (1.0)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_11 (M062072): Graph for Charles' walk or bike to Olympic park**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	75 (1.7)	▲
Kazakhstan	73 (2.5)	▲
Japan	71 (1.9)	▲
England	71 (2.5)	▲
Korea, Rep. of	70 (2.0)	▲
Canada	69 (1.8)	▲
Hong Kong SAR	66 (2.2)	▲
Ireland	65 (2.1)	▲
United States	63 (1.5)	▲
Australia	62 (1.7)	▲
New Zealand	61 (2.3)	▲
Slovenia	61 (2.4)	▲
Israel	61 (2.1)	▲
Hungary	61 (2.4)	▲
Lithuania	58 (2.7)	▲
Norway (9)	58 (2.5)	▲
Sweden	56 (2.5)	▲
Italy	55 (2.5)	▲
Russian Federation	53 (2.5)	▲
Malta	50 (2.2)	▲
Chinese Taipei	50 (2.0)	▲
<b>International Avg.</b>	<b>45 (0.3)</b>	
Turkey	40 (1.7)	▼
United Arab Emirates	38 (1.2)	▼
Chile	32 (2.1)	▼
Malaysia	31 (1.4)	▼
Qatar	31 (1.9)	▼
Iran, Islamic Rep. of	31 (1.9)	▼
Bahrain	31 (1.7)	▼
Georgia	31 (2.7)	▼
Lebanon	29 (2.4)	▼
Thailand	26 (1.9)	▼
Oman	22 (1.5)	▼
Morocco	20 (1.2)	▼
South Africa (9)	18 (1.3)	▼
Botswana (9)	17 (1.3)	▼
Kuwait	16 (2.0)	▼
Jordan	16 (1.2)	▼
Egypt	15 (1.2)	▼
Saudi Arabia	14 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	75 (2.7)	▲
Ontario, Canada	66 (2.2)	▲
Dubai, UAE	57 (1.8)	▲
Norway (8)	52 (2.2)	▲
Florida, US	51 (4.4)	
Abu Dhabi, UAE	34 (2.1)	▼
Buenos Aires, Argentina	26 (2.4)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

**TIMSS 2015 Percent Correct Statistics for Achievement Items**

**M14\_13 (M062120): Umut picks marbles without replacement**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	77 (1.8)	▲
Singapore	75 (1.7)	▲
Hong Kong SAR	73 (2.0)	▲
Chinese Taipei	72 (1.7)	▲
Japan	72 (1.9)	▲
Ireland	68 (2.0)	▲
Australia	60 (2.5)	▲
England	60 (2.2)	▲
Canada	58 (1.8)	▲
United States	57 (1.5)	▲
Turkey	55 (2.2)	▲
New Zealand	53 (1.8)	▲
Norway (9)	52 (2.2)	▲
Bahrain	51 (2.0)	▲
Sweden	50 (2.6)	▲
Israel	50 (2.3)	▲
Lithuania	50 (2.5)	
Malta	46 (2.3)	
Italy	46 (2.3)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Malaysia	45 (1.8)	
Russian Federation	44 (2.7)	
Hungary	44 (2.3)	
Slovenia	42 (2.3)	
United Arab Emirates	41 (1.6)	▼
Kazakhstan	38 (2.9)	▼
Chile	36 (2.3)	▼
Qatar	35 (2.1)	▼
Iran, Islamic Rep. of	35 (2.2)	▼
Thailand	34 (1.7)	▼
Georgia	31 (2.8)	▼
Saudi Arabia	29 (2.1)	▼
Oman	29 (1.5)	▼
Egypt	28 (1.7)	▼
Kuwait	26 (2.2)	▼
Jordan	20 (1.6)	▼
South Africa (9)	19 (1.2)	▼
Botswana (9)	19 (1.3)	▼
Lebanon	18 (1.9)	▼
Morocco	18 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	64 (2.9)	▲
Ontario, Canada	56 (2.3)	▲
Dubai, UAE	52 (3.0)	▲
Norway (8)	48 (2.1)	
Florida, US	46 (3.1)	
Abu Dhabi, UAE	39 (2.3)	▼
Buenos Aires, Argentina	24 (2.2)	▼

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

- ▲ Percent significantly higher than international average  
▼ Percent significantly lower than international average  
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.



© IEA, 2017  
International Association  
for the Evaluation of  
Educational Achievement



BOSTON  
COLLEGE  
[timss.bc.edu](http://timss.bc.edu)