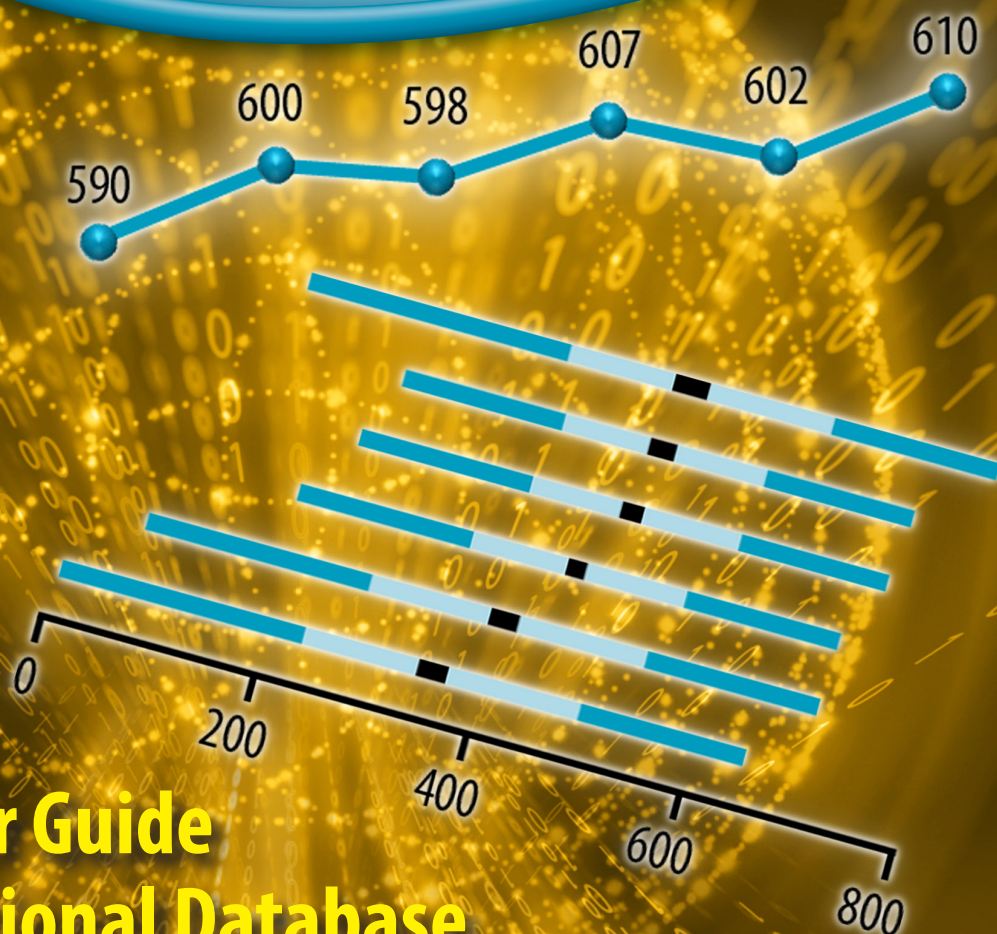
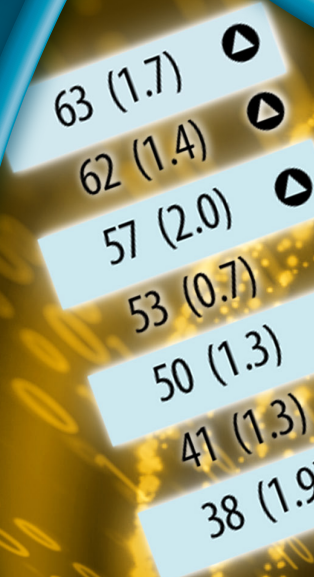


TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

# TIMSS



## TIMSS 2015 User Guide for the International Database

# ITEM PERCENT CORRECT STATISTICS

Science – Fourth Grade



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

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

**S01\_01 (S041010): The function of seeds**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Finland	94 (1.1)	▲
Poland	94 (1.0)	▲
Czech Republic	93 (1.1)	▲
Chinese Taipei	92 (1.2)	▲
Slovenia	91 (1.3)	▲
Italy	91 (1.3)	▲
Serbia	90 (1.6)	▲
Russian Federation	90 (1.4)	▲
Portugal	90 (1.1)	▲
Singapore	89 (1.2)	▲
Korea, Rep. of	88 (1.3)	▲
Germany	88 (1.6)	▲
Chile	88 (1.4)	▲
Sweden	88 (2.1)	▲
Hong Kong SAR	87 (1.3)	▲
Slovak Republic	87 (1.6)	▲
Hungary	87 (1.5)	▲
Croatia	86 (1.7)	▲
Lithuania	86 (2.0)	▲
Netherlands	85 (1.9)	▲
Northern Ireland	85 (2.0)	▲
Bulgaria	85 (2.0)	▲
Spain	85 (1.4)	▲
Belgium (Flemish)	84 (1.5)	▲
Kazakhstan	84 (1.9)	
United States	83 (1.1)	▲
Japan	83 (1.8)	
Norway (5)	82 (1.8)	
Canada	82 (1.5)	
England	82 (1.9)	
Ireland	81 (1.5)	
France	81 (1.8)	
Denmark	81 (1.8)	
Australia	80 (1.5)	
<b>International Avg.</b>	<b>80 (0.3)</b>	
Turkey	79 (1.5)	
New Zealand	77 (1.8)	▼
Cyprus	72 (1.9)	▼
Indonesia	71 (2.4)	▼
Georgia	71 (2.2)	▼
Qatar	69 (2.4)	▼
Iran, Islamic Rep. of	67 (3.2)	▼
United Arab Emirates	66 (1.2)	▼
Bahrain	63 (2.2)	▼
Saudi Arabia	56 (2.4)	▼
Kuwait	51 (2.4)	▼
Oman	50 (1.7)	▼
Morocco	38 (2.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.4)	
Florida, US	83 (1.9)	
Buenos Aires, Argentina	82 (2.3)	
Ontario, Canada	82 (2.5)	
Dubai, UAE	81 (1.3)	
Norway (4)	80 (2.2)	
Abu Dhabi, UAE	56 (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**

**S01\_02 (S041034): Exercising and breathing faster**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Hong Kong SAR	86 (1.7)	▲
Russian Federation	84 (1.7)	▲
Singapore	83 (1.3)	▲
Bulgaria	78 (2.4)	▲
Belgium (Flemish)	77 (1.7)	▲
Lithuania	77 (2.1)	▲
Kazakhstan	75 (2.1)	▲
Turkey	74 (1.7)	▲
Croatia	74 (2.2)	▲
Korea, Rep. of	74 (2.0)	▲
Slovak Republic	74 (1.9)	▲
Norway (5)	73 (2.0)	▲
Poland	73 (2.1)	▲
Hungary	73 (2.0)	▲
Denmark	73 (1.8)	▲
Iran, Islamic Rep. of	71 (2.5)	▲
Czech Republic	71 (2.0)	▲
Netherlands	70 (2.2)	
Finland	70 (2.1)	
Georgia	69 (2.4)	
Spain	69 (2.0)	
Italy	68 (2.3)	
Japan	68 (2.0)	
Germany	67 (1.8)	
Serbia	67 (2.0)	
<b>International Avg.</b>	<b>66 (0.3)</b>	
Chinese Taipei	66 (1.9)	
Sweden	66 (2.4)	
France	65 (2.2)	
Australia	63 (2.2)	
United States	63 (1.6)	
Slovenia	63 (2.2)	
England	62 (2.2)	
New Zealand	62 (2.3)	▼
Northern Ireland	61 (2.3)	▼
Qatar	60 (2.0)	▼
Canada	59 (1.8)	▼
United Arab Emirates	59 (1.3)	▼
Indonesia	58 (2.4)	▼
Ireland	58 (2.3)	▼
Portugal	55 (2.3)	▼
Chile	53 (2.3)	▼
Oman	52 (1.6)	▼
Bahrain	50 (2.3)	▼
Morocco	50 (2.5)	▼
Cyprus	49 (2.1)	▼
Saudi Arabia	49 (2.4)	▼
Kuwait	43 (2.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	69 (1.8)	
Florida, US	64 (3.0)	
Norway (4)	63 (2.1)	
Ontario, Canada	61 (2.0)	▼
Quebec, Canada	58 (3.2)	▼
Abu Dhabi, UAE	52 (2.3)	▼
Buenos Aires, Argentina	45 (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**

**S01\_03 (S041017): Animals take care of their young**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	71 (1.8)	▲
Bulgaria	60 (3.5)	▲
Kazakhstan	59 (2.3)	▲
Georgia	56 (2.7)	▲
Czech Republic	56 (2.0)	▲
Korea, Rep. of	53 (2.2)	▲
Germany	52 (2.2)	▲
Denmark	52 (2.5)	▲
Hungary	52 (2.1)	▲
Russian Federation	50 (1.8)	▲
Hong Kong SAR	50 (3.0)	▲
Slovak Republic	50 (2.2)	▲
United States	49 (1.8)	▲
Norway (5)	48 (2.1)	▲
Qatar	48 (2.5)	
Netherlands	47 (2.8)	
Poland	47 (2.2)	
Chinese Taipei	47 (2.3)	
Australia	47 (2.1)	
Canada	46 (1.9)	
Lithuania	45 (2.5)	
Slovenia	45 (2.4)	
Sweden	44 (2.7)	
Cyprus	43 (2.2)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Finland	42 (2.6)	
Japan	42 (2.2)	
New Zealand	42 (2.2)	
Turkey	41 (2.1)	
Oman	40 (1.6)	
Italy	39 (2.6)	
Chile	38 (2.0)	▼
Northern Ireland	37 (2.4)	▼
Indonesia	37 (2.8)	▼
Belgium (Flemish)	36 (1.9)	▼
France	36 (2.3)	▼
United Arab Emirates	36 (1.2)	▼
Portugal	34 (1.9)	▼
Serbia	34 (2.8)	▼
Iran, Islamic Rep. of	33 (2.7)	▼
Spain	32 (2.1)	▼
England	32 (1.9)	▼
Bahrain	32 (2.2)	▼
Saudi Arabia	31 (2.0)	▼
Morocco	31 (2.4)	▼
Ireland	30 (1.9)	▼
Kuwait	28 (1.9)	▼
Croatia	28 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	48 (2.6)	
Ontario, Canada	46 (2.7)	
Norway (4)	44 (2.3)	
Quebec, Canada	43 (4.2)	
Dubai, UAE	43 (1.8)	
Abu Dhabi, UAE	31 (2.1)	▼
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**

**S01\_04 (S041124): Advantage for monarch butterfly**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Denmark	64 (2.1)	▲
Czech Republic	62 (2.5)	▲
Slovak Republic	62 (2.1)	▲
Bulgaria	60 (2.6)	▲
Netherlands	59 (2.4)	▲
Finland	58 (2.2)	▲
Sweden	57 (2.1)	▲
Hungary	56 (2.2)	▲
Germany	55 (2.8)	▲
Korea, Rep. of	53 (2.0)	▲
Slovenia	53 (2.4)	▲
Russian Federation	52 (2.2)	▲
Northern Ireland	52 (2.8)	
England	52 (2.3)	▲
New Zealand	52 (2.1)	▲
United States	52 (1.5)	▲
Canada	51 (1.4)	▲
Lithuania	51 (2.4)	
Chinese Taipei	51 (2.0)	
Ireland	51 (2.4)	
Poland	50 (2.4)	
Spain	50 (1.9)	
Singapore	50 (1.9)	
Japan	50 (1.9)	
Australia	49 (2.3)	
Norway (5)	48 (2.5)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Italy	46 (2.4)	
Belgium (Flemish)	44 (2.0)	
Serbia	44 (2.8)	
Kazakhstan	44 (2.5)	
Turkey	42 (1.8)	▼
Chile	42 (2.3)	▼
Croatia	41 (2.6)	▼
Hong Kong SAR	40 (2.3)	▼
France	39 (2.0)	▼
Portugal	39 (2.2)	▼
Indonesia	39 (2.4)	▼
Georgia	39 (2.5)	▼
United Arab Emirates	38 (1.2)	▼
Morocco	38 (2.9)	▼
Qatar	37 (1.7)	▼
Bahrain	35 (2.0)	▼
Iran, Islamic Rep. of	34 (2.7)	▼
Oman	34 (1.5)	▼
Saudi Arabia	33 (2.0)	▼
Cyprus	33 (2.2)	▼
Kuwait	32 (1.8)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	53 (1.9)	▲
Florida, US	51 (2.7)	
Quebec, Canada	45 (3.1)	
Dubai, UAE	44 (1.8)	
Norway (4)	36 (2.0)	▼
Abu Dhabi, UAE	35 (2.0)	▼
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**

**S01\_05 (S041186): Freezing point of water**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	83 (1.6)	▲
Croatia	63 (2.5)	▲
Bulgaria	56 (2.9)	▲
Kazakhstan	53 (2.4)	▲
Singapore	51 (2.1)	▲
Sweden	51 (2.4)	▲
Czech Republic	46 (2.1)	▲
Norway (5)	43 (2.7)	▲
Germany	40 (2.3)	▲
Belgium (Flemish)	38 (2.2)	▲
Finland	38 (1.9)	▲
Hungary	38 (2.3)	▲
Denmark	37 (2.2)	▲
Poland	35 (2.3)	▲
England	34 (2.4)	▲
Russian Federation	31 (2.1)	
Northern Ireland	31 (3.0)	
Slovenia	31 (2.3)	
Canada	31 (1.4)	▲
<b>International Avg.</b>	<b>28 (0.3)</b>	
Hong Kong SAR	27 (3.1)	
Oman	25 (1.6)	
Netherlands	25 (2.1)	
United Arab Emirates	25 (1.2)	▼
Slovak Republic	24 (1.9)	
Korea, Rep. of	22 (1.8)	▼
Kuwait	20 (1.9)	▼
Serbia	20 (1.7)	▼
Ireland	20 (2.0)	▼
United States	19 (1.2)	▼
Saudi Arabia	19 (2.1)	▼
Portugal	18 (1.8)	▼
New Zealand	18 (1.6)	▼
Australia	18 (1.6)	▼
France	18 (1.9)	▼
Chinese Taipei	17 (1.7)	▼
Qatar	17 (2.2)	▼
Cyprus	17 (1.5)	▼
Georgia	17 (2.5)	▼
Italy	15 (1.8)	▼
Turkey	13 (1.5)	▼
Spain	12 (1.1)	▼
Lithuania	12 (1.5)	▼
Bahrain	11 (1.2)	▼
Iran, Islamic Rep. of	9 (1.4)	▼
Morocco	6 (1.3)	▼
Chile	6 (1.0)	▼
Indonesia	4 (0.8)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	35 (2.0)	▲
Dubai, UAE	34 (1.8)	▲
Quebec, Canada	31 (3.5)	
Norway (4)	30 (2.6)	
Florida, US	19 (2.9)	▼
Abu Dhabi, UAE	14 (1.4)	▼
Buenos Aires, Argentina	5 (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**

S01\_06 (S041037): Pos. or neg. effect of activity  
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	77 (2.0) ▲	94 (1.0) ▲
Sweden	68 (2.3) ▲	89 (1.8) ▲
Russian Federation	62 (1.7) ▲	81 (1.8) ▲
Canada	61 (1.8) ▲	82 (1.5) ▲
Spain	61 (2.4) ▲	82 (2.1) ▲
United States	58 (1.4) ▲	77 (1.1) ▲
Northern Ireland	56 (3.1) ▲	79 (2.2) ▲
Chinese Taipei	55 (2.0) ▲	83 (1.7) ▲
Finland	54 (2.0) ▲	77 (1.8) ▲
Japan	53 (2.3) ▲	85 (1.6) ▲
Croatia	53 (2.6) ▲	88 (1.5) ▲
Bulgaria	52 (2.7) ▲	74 (2.8) ▲
Hungary	52 (2.3) ▲	75 (2.5) ▲
England	52 (2.7) ▲	80 (1.8) ▲
Hong Kong SAR	50 (2.2) ▲	79 (2.1) ▲
Australia	49 (2.1) ▲	73 (2.0) ▲
Netherlands	49 (2.1) ▲	78 (2.2) ▲
New Zealand	48 (1.8) ▲	73 (1.8) ▲
Serbia	48 (2.3) ▲	75 (2.0) ▲
Portugal	48 (2.2) ▲	76 (1.9) ▲
France	48 (2.8)	74 (2.2) ▲
Ireland	47 (2.2)	72 (1.9)
Norway (5)	46 (2.1)	77 (1.9) ▲
Singapore	46 (2.2)	73 (1.7) ▲
Czech Republic	46 (2.4)	70 (2.1)
Poland	45 (2.6)	76 (2.2) ▲
Slovak Republic	45 (2.1)	70 (2.0)
Slovenia	44 (2.2)	80 (1.9) ▲
Chile	44 (2.1)	71 (2.2)
<b>International Avg.</b>	<b>43 (0.3)</b>	<b>69 (0.3)</b>
Belgium (Flemish)	42 (2.3)	76 (2.0) ▲
Germany	41 (2.1)	68 (2.1)
Italy	41 (2.4)	75 (1.9) ▲
Kazakhstan	40 (2.1)	73 (2.0) ▲
Turkey	39 (1.8) ▼	68 (1.7)
Denmark	38 (2.4) ▼	67 (2.0)
Lithuania	37 (3.1) ▼	68 (2.1)
Iran, Islamic Rep. of	37 (2.8) ▼	57 (2.6) ▼
Cyprus	33 (2.0) ▼	57 (2.1) ▼
United Arab Emirates	28 (1.2) ▼	50 (1.4) ▼
Indonesia	26 (2.3) ▼	48 (2.8) ▼
Qatar	23 (1.7) ▼	48 (2.3) ▼
Bahrain	20 (2.2) ▼	42 (2.3) ▼
Georgia	20 (2.4) ▼	48 (2.7) ▼
Oman	15 (1.1) ▼	36 (1.7) ▼
Kuwait	12 (1.4) ▼	27 (1.9) ▼
Morocco	9 (1.9) ▼	28 (2.3) ▼
Saudi Arabia	7 (1.0) ▼	20 (1.6) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	70 (3.1) ▲	91 (2.2) ▲
Florida, US	61 (2.5) ▲	81 (2.2) ▲
Ontario, Canada	59 (2.5) ▲	81 (1.8) ▲
Dubai, UAE	44 (2.3)	66 (1.8)
Buenos Aires, Argentina	37 (2.9) ▼	60 (2.9) ▼
Norway (4)	34 (2.6) ▼	67 (2.5)
Abu Dhabi, UAE	23 (2.0) ▼	42 (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**

**S01\_07 (S041119): Direction of gravity**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Russian Federation	95 (0.9)	▲
Lithuania	90 (1.5)	▲
Chinese Taipei	88 (1.3)	▲
Serbia	88 (1.7)	▲
Hong Kong SAR	87 (1.8)	▲
Kazakhstan	87 (1.3)	▲
Slovenia	87 (1.5)	▲
Bulgaria	85 (2.0)	▲
Slovak Republic	84 (1.9)	▲
Korea, Rep. of	83 (1.6)	▲
England	82 (1.7)	▲
Finland	81 (1.8)	▲
Poland	79 (1.9)	▲
Iran, Islamic Rep. of	78 (2.2)	▲
Australia	78 (2.0)	▲
Germany	77 (1.9)	▲
Canada	77 (1.3)	▲
Singapore	76 (1.7)	
Spain	75 (2.1)	
Cyprus	75 (1.6)	
<b>International Avg.</b>	<b>72 (0.3)</b>	
Czech Republic	72 (2.0)	
Denmark	72 (1.8)	
Norway (5)	72 (2.0)	
United States	71 (1.2)	
Italy	71 (2.3)	
Japan	70 (1.7)	
Belgium (Flemish)	69 (2.1)	
Ireland	69 (2.3)	
Oman	69 (1.5)	▼
Bahrain	68 (1.6)	▼
United Arab Emirates	67 (1.2)	▼
Northern Ireland	67 (2.8)	
France	67 (2.2)	▼
Chile	67 (2.1)	▼
Saudi Arabia	67 (2.2)	▼
Turkey	67 (1.7)	▼
Netherlands	64 (2.5)	▼
Morocco	64 (2.4)	▼
Hungary	64 (2.4)	▼
New Zealand	64 (1.8)	▼
Sweden	64 (2.4)	▼
Portugal	63 (2.3)	▼
Qatar	61 (2.0)	▼
Croatia	57 (2.2)	▼
Indonesia	56 (2.5)	▼
Kuwait	49 (2.3)	▼
Georgia	41 (2.7)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	80 (1.8)	▲
Florida, US	78 (1.9)	▲
Dubai, UAE	73 (2.1)	
Quebec, Canada	73 (3.2)	
Abu Dhabi, UAE	63 (2.0)	▼
Norway (4)	60 (2.2)	▼
Buenos Aires, Argentina	59 (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**

**S01\_08 (S041105): Evidence for existence of animals**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Norway (5)	87 (1.6)	▲
Hong Kong SAR	86 (1.5)	▲
Chinese Taipei	83 (1.7)	▲
Croatia	78 (2.1)	▲
Czech Republic	77 (1.7)	▲
Northern Ireland	76 (2.2)	▲
United States	76 (1.2)	▲
England	76 (2.0)	▲
Finland	75 (1.9)	▲
Serbia	75 (2.2)	▲
Canada	74 (1.3)	▲
Singapore	74 (1.5)	▲
Russian Federation	72 (2.2)	▲
Poland	72 (2.3)	▲
Hungary	72 (1.9)	▲
Ireland	71 (2.4)	▲
Slovenia	71 (2.0)	▲
Germany	69 (2.1)	▲
New Zealand	68 (1.5)	▲
Australia	68 (2.5)	▲
Denmark	67 (2.0)	▲
Korea, Rep. of	66 (2.5)	▲
Netherlands	66 (2.0)	▲
Sweden	66 (2.6)	
Japan	66 (2.0)	▲
Bulgaria	62 (2.5)	
International Avg.	61 (0.3)	
Belgium (Flemish)	60 (2.4)	
Slovak Republic	59 (2.3)	
France	59 (2.3)	
Spain	59 (2.2)	
Italy	58 (2.4)	
Lithuania	56 (2.8)	
Kazakhstan	55 (2.6)	▼
Turkey	53 (1.7)	▼
United Arab Emirates	52 (1.3)	▼
Qatar	50 (2.2)	▼
Oman	49 (1.5)	▼
Georgia	48 (2.7)	▼
Portugal	45 (2.1)	▼
Bahrain	42 (1.9)	▼
Chile	42 (2.0)	▼
Saudi Arabia	38 (2.2)	▼
Indonesia	37 (2.1)	▼
Iran, Islamic Rep. of	34 (2.6)	▼
Morocco	29 (2.3)	▼
Kuwait	29 (2.3)	▼
Cyprus	29 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	79 (2.1)	▲
Quebec, Canada	78 (2.6)	▲
Norway (4)	75 (2.3)	▲
Ontario, Canada	73 (2.0)	▲
Dubai, UAE	65 (1.5)	▲
Abu Dhabi, UAE	45 (2.4)	▼
Buenos Aires, Argentina	41 (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**

**S01\_10A (S041149A): Why water does not go into glass**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	84 (1.4)	▲
Japan	64 (1.9)	▲
Chinese Taipei	58 (2.2)	▲
Korea, Rep. of	50 (2.3)	▲
Kazakhstan	49 (2.3)	▲
Russian Federation	46 (2.1)	▲
Hong Kong SAR	45 (2.5)	▲
Sweden	38 (2.1)	▲
Finland	37 (2.0)	▲
Croatia	36 (2.5)	▲
Germany	35 (1.9)	▲
Bulgaria	34 (2.5)	▲
Serbia	29 (2.3)	▲
Czech Republic	29 (1.8)	▲
Slovenia	27 (2.2)	
Italy	27 (2.6)	
Turkey	26 (1.7)	
Hungary	26 (2.0)	
<b>International Avg.</b>	<b>24 (0.3)</b>	
Poland	23 (2.3)	
Lithuania	22 (1.9)	
Slovak Republic	20 (2.0)	▼
Norway (5)	19 (2.1)	▼
Belgium (Flemish)	19 (2.1)	▼
Australia	19 (2.1)	▼
Denmark	19 (1.8)	▼
Morocco	18 (1.9)	▼
Canada	18 (1.3)	▼
United States	17 (1.2)	▼
New Zealand	16 (1.6)	▼
France	16 (2.0)	▼
Cyprus	16 (1.7)	▼
Netherlands	14 (1.7)	▼
England	14 (1.4)	▼
Ireland	14 (1.4)	▼
United Arab Emirates	14 (0.9)	▼
Spain	13 (1.7)	▼
Oman	11 (1.2)	▼
Qatar	11 (1.6)	▼
Northern Ireland	11 (1.4)	▼
Georgia	10 (1.9)	▼
Portugal	10 (1.2)	▼
Saudi Arabia	10 (1.4)	▼
Bahrain	7 (1.1)	▼
Indonesia	6 (1.2)	▼
Chile	6 (0.9)	▼
Iran, Islamic Rep. of	4 (0.9)	▼
Kuwait	3 (0.8)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	23 (1.6)	
Quebec, Canada	22 (3.5)	
Florida, US	16 (2.4)	▼
Ontario, Canada	14 (1.4)	▼
Norway (4)	10 (1.7)	▼
Abu Dhabi, UAE	9 (1.4)	▼
Buenos Aires, Argentina	6 (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**

**S01\_10B (S041149B): Tipping caused cotton to get wet**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	78 (1.5)	▲
Japan	61 (1.9)	▲
Russian Federation	43 (2.0)	▲
Kazakhstan	43 (2.4)	▲
Korea, Rep. of	42 (2.2)	▲
Chinese Taipei	39 (2.1)	▲
Hong Kong SAR	39 (2.6)	▲
Finland	35 (2.0)	▲
Sweden	35 (2.6)	▲
Croatia	34 (2.4)	▲
Germany	29 (1.9)	▲
Bulgaria	28 (2.5)	▲
Czech Republic	28 (1.9)	▲
Slovenia	28 (2.4)	▲
Hungary	26 (1.9)	▲
Serbia	23 (2.2)	
Poland	23 (2.0)	
Turkey	22 (1.6)	
<b>International Avg.</b>	<b>22 (0.3)</b>	
Italy	21 (2.2)	
Slovak Republic	21 (1.5)	
Denmark	20 (1.9)	
Norway (5)	20 (2.2)	
Lithuania	19 (1.9)	
Canada	18 (1.3)	▼
Belgium (Flemish)	17 (1.9)	▼
Australia	16 (1.8)	▼
United States	16 (1.4)	▼
Morocco	16 (1.8)	▼
New Zealand	16 (1.8)	▼
Netherlands	15 (2.1)	▼
France	14 (1.9)	▼
Spain	12 (1.4)	▼
Cyprus	12 (1.5)	▼
Ireland	12 (1.4)	▼
Northern Ireland	12 (1.7)	▼
England	11 (1.4)	▼
United Arab Emirates	11 (1.0)	▼
Qatar	10 (1.2)	▼
Portugal	10 (1.1)	▼
Saudi Arabia	9 (1.3)	▼
Oman	9 (1.0)	▼
Georgia	8 (1.6)	▼
Bahrain	7 (1.5)	▼
Chile	6 (1.1)	▼
Indonesia	6 (1.1)	▼
Iran, Islamic Rep. of	3 (0.8)	▼
Kuwait	3 (0.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	22 (3.0)	
Florida, US	17 (2.5)	▼
Dubai, UAE	17 (2.4)	▼
Ontario, Canada	15 (1.5)	▼
Norway (4)	10 (1.4)	▼
Buenos Aires, Argentina	8 (1.5)	▼
Abu Dhabi, UAE	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**

**S01\_10Z (S041149Z): Water glass cotton get wet (DERIVED)**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	75 (1.6) ●	86 (1.4) ●
Japan	55 (2.0) ●	69 (1.7) ●
Korea, Rep. of	39 (2.2) ●	53 (2.1) ●
Russian Federation	38 (2.0) ●	51 (2.1) ●
Chinese Taipei	37 (2.1) ●	60 (2.2) ●
Kazakhstan	37 (2.4) ●	54 (2.3) ●
Hong Kong SAR	37 (2.6) ●	47 (2.6) ●
Croatia	31 (2.3) ●	40 (2.6) ●
Finland	29 (1.9) ●	42 (2.1) ●
Sweden	29 (2.1) ●	44 (2.4) ●
Bulgaria	25 (2.4) ●	37 (2.5) ●
Germany	25 (1.6) ●	39 (2.1) ●
Czech Republic	23 (1.8) ●	34 (1.9) ●
Slovenia	22 (2.1)	33 (2.5)
Hungary	20 (1.7)	31 (2.1)
Turkey	20 (1.5)	29 (1.8)
Serbia	20 (1.9)	32 (2.5)
Poland	19 (1.9)	26 (2.3)
<b>International Avg.</b>	<b>18 (0.2)</b>	<b>28 (0.3)</b>
Italy	18 (2.2)	30 (2.7)
Lithuania	17 (1.9)	24 (1.8) ▼
Belgium (Flemish)	15 (1.9)	21 (2.1) ▼
Norway (5)	15 (2.0)	24 (2.3)
Slovak Republic	15 (1.6) ▼	26 (2.1)
Denmark	14 (1.7) ▼	25 (2.1)
Morocco	13 (1.6) ▼	20 (2.1) ▼
Canada	13 (1.2) ▼	23 (1.4) ▼
United States	13 (1.2) ▼	20 (1.4) ▼
Australia	12 (1.6) ▼	23 (2.4)
New Zealand	12 (1.4) ▼	20 (1.9) ▼
Netherlands	11 (1.6) ▼	18 (2.1) ▼
France	10 (1.7) ▼	20 (2.3) ▼
Cyprus	10 (1.4) ▼	18 (1.8) ▼
England	10 (1.3) ▼	15 (1.5) ▼
Ireland	9 (1.2) ▼	16 (1.6) ▼
Spain	9 (1.3) ▼	16 (1.9) ▼
Northern Ireland	9 (1.4) ▼	14 (1.7) ▼
Portugal	8 (1.1) ▼	12 (1.2) ▼
United Arab Emirates	8 (0.8) ▼	16 (1.0) ▼
Georgia	7 (1.6) ▼	12 (2.0) ▼
Qatar	6 (1.0) ▼	15 (1.7) ▼
Saudi Arabia	6 (1.1) ▼	13 (1.7) ▼
Oman	5 (0.8) ▼	15 (1.4) ▼
Chile	4 (0.8) ▼	8 (1.2) ▼
Bahrain	4 (0.8) ▼	10 (1.7) ▼
Indonesia	4 (0.9) ▼	8 (1.3) ▼
Iran, Islamic Rep. of	2 (0.7) ▼	5 (1.1) ▼
Kuwait	1 (0.4) ▼	5 (0.9) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	14 (2.9)	30 (3.7)
Florida, US	14 (2.2)	19 (2.7) ▼
Dubai, UAE	14 (2.0) ▼	26 (1.7)
Ontario, Canada	11 (1.1) ▼	19 (1.7) ▼
Norway (4)	7 (1.1) ▼	14 (1.9) ▼
Abu Dhabi, UAE	5 (1.1) ▼	12 (1.5) ▼
Buenos Aires, Argentina	4 (1.1) ▼	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**

**S01\_11 (S041032): Staying in sun with no protection**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Northern Ireland	96 (1.1)	▲
Singapore	95 (0.7)	▲
England	94 (0.9)	▲
Korea, Rep. of	94 (1.3)	▲
Ireland	94 (1.0)	▲
Russian Federation	94 (1.0)	▲
Australia	93 (1.1)	▲
Croatia	92 (1.2)	▲
Finland	92 (1.7)	▲
New Zealand	92 (1.1)	▲
Norway (5)	91 (1.4)	▲
Netherlands	91 (1.4)	▲
United States	90 (0.8)	▲
Japan	90 (1.2)	▲
Canada	90 (0.9)	▲
Slovenia	90 (1.4)	▲
Germany	90 (1.4)	▲
Portugal	90 (1.2)	▲
Poland	89 (1.4)	▲
Czech Republic	88 (1.4)	▲
Lithuania	88 (1.7)	▲
Belgium (Flemish)	88 (1.3)	▲
Sweden	87 (1.8)	▲
Chinese Taipei	87 (1.7)	▲
Spain	87 (1.6)	▲
Italy	86 (1.6)	▲
Hungary	86 (1.8)	▲
Denmark	86 (1.6)	▲
Bulgaria	86 (1.7)	▲
Slovak Republic	84 (1.4)	▲
Kazakhstan	83 (1.9)	
France	82 (1.8)	
Chile	82 (1.5)	
Serbia	82 (2.0)	
Cyprus	82 (1.6)	
<b>International Avg.</b>	<b>80 (0.2)</b>	
Hong Kong SAR	77 (2.4)	
Georgia	75 (2.1)	▼
Turkey	74 (1.8)	▼
Iran, Islamic Rep. of	68 (2.6)	▼
United Arab Emirates	63 (1.6)	▼
Bahrain	59 (2.2)	▼
Qatar	55 (1.8)	▼
Indonesia	51 (2.6)	▼
Oman	43 (1.7)	▼
Morocco	28 (2.3)	▼
Saudi Arabia	28 (2.2)	▼
Kuwait	26 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	93 (1.6)	▲
Florida, US	92 (1.8)	▲
Ontario, Canada	90 (1.1)	▲
Norway (4)	78 (2.3)	
Dubai, UAE	78 (1.1)	
Buenos Aires, Argentina	68 (3.4)	▼
Abu Dhabi, UAE	58 (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**

**S01\_12 (S041068): Source of energy for electricity**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	67 (1.7)	▲
Finland	66 (2.4)	▲
Chinese Taipei	66 (1.9)	▲
Hong Kong SAR	65 (2.4)	▲
Kazakhstan	62 (2.5)	▲
Czech Republic	60 (2.0)	▲
Slovenia	58 (2.3)	▲
Germany	56 (2.2)	▲
Sweden	56 (2.9)	▲
Russian Federation	55 (2.2)	▲
Croatia	55 (2.4)	▲
Slovak Republic	55 (2.3)	▲
Bulgaria	54 (3.1)	▲
Lithuania	52 (2.5)	▲
Italy	52 (2.7)	▲
Serbia	52 (2.5)	▲
Ireland	51 (2.3)	▲
Japan	50 (2.1)	▲
Portugal	50 (2.3)	▲
Netherlands	48 (2.7)	
Norway (5)	48 (2.1)	
New Zealand	47 (1.8)	
United States	47 (1.5)	
Canada	47 (1.7)	
England	46 (2.3)	
Northern Ireland	45 (2.5)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Australia	44 (2.1)	
Spain	43 (2.0)	
Belgium (Flemish)	41 (1.8)	
Indonesia	41 (2.8)	
Turkey	41 (2.0)	▼
Korea, Rep. of	41 (2.2)	
Oman	40 (1.5)	▼
Cyprus	38 (2.2)	▼
United Arab Emirates	37 (1.1)	▼
France	37 (2.4)	▼
Poland	37 (2.3)	▼
Denmark	37 (2.1)	▼
Hungary	36 (2.5)	▼
Chile	36 (2.3)	▼
Bahrain	29 (2.3)	▼
Qatar	25 (2.2)	▼
Iran, Islamic Rep. of	25 (2.4)	▼
Saudi Arabia	20 (1.9)	▼
Georgia	17 (2.7)	▼
Morocco	15 (2.1)	▼
Kuwait	11 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	52 (3.5)	▲
Dubai, UAE	51 (1.4)	▲
Florida, US	51 (3.9)	
Ontario, Canada	45 (2.1)	
Norway (4)	33 (2.5)	▼
Abu Dhabi, UAE	29 (2.3)	▼
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**

**S01\_13 (S041303): New substances with new properties**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Finland	70 (2.0)	▲
Italy	68 (2.3)	▲
Poland	68 (2.1)	▲
Russian Federation	67 (2.3)	▲
Norway (5)	66 (2.0)	▲
Hong Kong SAR	66 (3.0)	▲
Chinese Taipei	65 (2.2)	▲
Kazakhstan	64 (2.4)	▲
Czech Republic	61 (2.2)	▲
Slovenia	59 (2.3)	▲
Hungary	59 (2.0)	▲
Korea, Rep. of	57 (2.3)	▲
Singapore	56 (2.1)	▲
Lithuania	55 (2.7)	▲
France	55 (2.4)	▲
Slovak Republic	55 (2.1)	▲
Sweden	53 (2.3)	
Croatia	52 (2.2)	
Germany	52 (2.2)	
Denmark	52 (2.4)	
Bulgaria	52 (2.9)	
Bahrain	52 (2.2)	
Spain	51 (1.9)	
<b>International Avg.</b>	<b>49 (0.3)</b>	
Serbia	49 (2.4)	
Japan	48 (2.2)	
England	48 (2.4)	
Indonesia	46 (2.6)	
Saudi Arabia	45 (2.6)	
United States	45 (1.4)	▼
Canada	45 (1.8)	▼
Portugal	43 (2.0)	▼
Ireland	42 (2.6)	▼
Georgia	42 (2.5)	▼
Australia	42 (2.0)	▼
Cyprus	42 (1.9)	▼
New Zealand	41 (2.2)	▼
United Arab Emirates	41 (1.4)	▼
Northern Ireland	39 (2.6)	▼
Oman	39 (1.7)	▼
Chile	38 (2.0)	▼
Qatar	37 (1.9)	▼
Turkey	34 (1.9)	▼
Morocco	34 (2.4)	▼
Iran, Islamic Rep. of	32 (3.1)	▼
Kuwait	29 (2.0)	▼
Netherlands	28 (2.1)	▼
Belgium (Flemish)	27 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	58 (2.6)	▲
Quebec, Canada	56 (3.3)	▲
Norway (4)	53 (2.5)	
Dubai, UAE	52 (1.7)	
Ontario, Canada	39 (2.2)	▼
Abu Dhabi, UAE	35 (2.1)	▼
Buenos Aires, Argentina	28 (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**

**S02\_01 (S061105): Animals that lay eggs**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	94 (1.0)	▲
Korea, Rep. of	86 (1.4)	▲
United States	82 (1.0)	▲
Indonesia	81 (1.9)	▲
Australia	80 (1.5)	▲
Bulgaria	79 (2.2)	▲
Slovenia	79 (1.5)	▲
Spain	78 (1.8)	▲
Ireland	77 (1.8)	▲
Slovak Republic	76 (1.4)	▲
Czech Republic	76 (1.5)	▲
Oman	76 (1.3)	▲
United Arab Emirates	75 (1.0)	▲
Hungary	75 (1.9)	▲
Northern Ireland	75 (2.3)	▲
England	74 (1.7)	▲
Canada	74 (1.2)	▲
Serbia	74 (2.1)	▲
Bahrain	73 (2.1)	
Germany	72 (1.9)	
Russian Federation	72 (1.9)	
Poland	72 (2.3)	
Netherlands	72 (2.5)	
Belgium (Flemish)	70 (1.8)	
Qatar	70 (2.0)	
<b>International Avg.</b>	<b>69 (0.3)</b>	
Denmark	69 (1.9)	
New Zealand	68 (1.6)	
Georgia	68 (2.8)	
Italy	68 (2.5)	
Kazakhstan	67 (2.5)	
Chile	66 (1.9)	▼
Norway (5)	66 (2.7)	
Finland	64 (2.0)	▼
Japan	64 (2.3)	▼
Saudi Arabia	63 (2.2)	▼
Morocco	63 (2.5)	▼
Portugal	62 (2.4)	▼
Hong Kong SAR	62 (2.7)	▼
Lithuania	62 (2.5)	▼
Sweden	61 (2.3)	▼
Kuwait	59 (2.8)	▼
Croatia	59 (2.5)	▼
Turkey	57 (2.1)	▼
Iran, Islamic Rep. of	54 (2.7)	▼
Chinese Taipei	54 (2.1)	▼
France	53 (2.6)	▼
Cyprus	48 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	88 (1.8)	▲
Dubai, UAE	80 (1.2)	▲
Ontario, Canada	78 (1.9)	▲
Abu Dhabi, UAE	69 (2.0)	
Norway (4)	65 (2.4)	
Quebec, Canada	63 (3.4)	▼
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**

**S02\_02 (S061010): Things plants and animals need**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Kazakhstan	85 (1.6)	▲
Singapore	79 (1.5)	▲
Korea, Rep. of	69 (2.3)	▲
Slovenia	68 (2.3)	▲
Serbia	67 (2.4)	▲
Hong Kong SAR	63 (2.8)	▲
Italy	62 (2.2)	▲
Bulgaria	59 (2.6)	▲
Norway (5)	58 (1.9)	▲
England	58 (2.1)	▲
Bahrain	57 (2.0)	▲
Spain	57 (2.4)	▲
Saudi Arabia	57 (2.1)	▲
Iran, Islamic Rep. of	55 (3.0)	
Croatia	54 (2.5)	
Sweden	54 (2.6)	
Hungary	54 (2.0)	
Netherlands	53 (2.4)	
Czech Republic	53 (1.8)	
Poland	53 (2.6)	
Oman	52 (1.7)	
United States	51 (1.4)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Belgium (Flemish)	50 (2.4)	
Denmark	50 (2.4)	
Japan	49 (2.1)	
Finland	48 (2.5)	
Northern Ireland	48 (2.9)	
Canada	47 (1.6)	
Portugal	47 (2.0)	
Qatar	47 (2.0)	
Australia	47 (2.3)	
Cyprus	46 (2.0)	▼
Germany	45 (2.2)	▼
United Arab Emirates	42 (1.4)	▼
Russian Federation	42 (2.3)	▼
New Zealand	41 (2.1)	▼
Kuwait	41 (2.3)	▼
Chile	41 (2.2)	▼
Slovak Republic	39 (2.1)	▼
Georgia	39 (2.5)	▼
Turkey	38 (1.9)	▼
Ireland	37 (2.5)	▼
Lithuania	35 (2.7)	▼
Morocco	30 (2.5)	▼
Chinese Taipei	28 (1.9)	▼
France	28 (2.3)	▼
Indonesia	27 (2.2)	▼
<b>Benchmarking Participants</b>		
Norway (4)	52 (2.6)	
Dubai, UAE	52 (1.7)	
Quebec, Canada	50 (3.3)	
Florida, US	48 (2.5)	
Ontario, Canada	47 (2.4)	
Abu Dhabi, UAE	36 (2.5)	▼
Buenos Aires, Argentina	27 (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**

**S02\_03 (S061028): Foods with protein**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	79 (2.0)	▲
Poland	79 (1.9)	▲
Hungary	72 (2.3)	▲
Lithuania	69 (2.5)	▲
Russian Federation	68 (2.0)	▲
Hong Kong SAR	66 (2.1)	▲
Bulgaria	66 (2.4)	▲
Georgia	65 (2.6)	▲
Slovak Republic	61 (2.1)	▲
Croatia	59 (2.9)	▲
Kazakhstan	58 (2.8)	▲
Slovenia	55 (2.4)	▲
Korea, Rep. of	53 (2.5)	▲
Germany	53 (2.5)	▲
Denmark	53 (2.3)	▲
Northern Ireland	52 (2.8)	
Czech Republic	51 (2.5)	
England	51 (2.1)	
Turkey	50 (1.9)	
Sweden	50 (2.2)	
Morocco	49 (2.6)	
United Arab Emirates	49 (1.4)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Canada	44 (1.7)	
Qatar	44 (2.0)	
Norway (5)	42 (2.3)	▼
Ireland	42 (1.9)	▼
Oman	42 (1.9)	▼
Netherlands	40 (2.4)	▼
United States	39 (1.5)	▼
Spain	39 (1.9)	▼
Saudi Arabia	38 (2.4)	▼
Singapore	37 (1.8)	▼
Bahrain	37 (2.2)	▼
Japan	37 (2.1)	▼
Chile	36 (2.3)	▼
Australia	35 (2.5)	▼
Iran, Islamic Rep. of	35 (2.5)	▼
Finland	35 (2.2)	▼
France	34 (1.9)	▼
Serbia	34 (2.3)	▼
Belgium (Flemish)	34 (2.0)	▼
Kuwait	33 (2.3)	▼
Italy	32 (2.3)	▼
Indonesia	31 (2.5)	▼
New Zealand	30 (2.0)	▼
Cyprus	28 (2.1)	▼
Portugal	27 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	57 (1.7)	▲
Ontario, Canada	49 (2.0)	
Abu Dhabi, UAE	46 (2.9)	
Florida, US	39 (3.3)	▼
Norway (4)	37 (2.5)	▼
Quebec, Canada	34 (3.4)	▼
Buenos Aires, Argentina	30 (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**

**S02\_04 (S061065): Travel with least air pollution**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	90 (1.3)	▲
Russian Federation	86 (1.1)	▲
Chinese Taipei	85 (1.5)	▲
Slovenia	84 (1.8)	▲
Serbia	82 (2.2)	▲
Portugal	82 (1.6)	▲
Italy	81 (1.7)	▲
Spain	81 (1.5)	▲
Lithuania	80 (1.9)	▲
Finland	80 (1.4)	▲
Norway (5)	80 (1.6)	▲
Hungary	79 (1.7)	▲
Canada	79 (1.2)	▲
Bulgaria	76 (2.3)	▲
Germany	76 (2.0)	▲
Netherlands	76 (2.2)	▲
Kazakhstan	73 (2.2)	▲
England	73 (1.8)	▲
Croatia	72 (2.3)	
United States	72 (1.4)	▲
Poland	72 (2.2)	
Slovak Republic	71 (1.8)	▲
Northern Ireland	71 (2.4)	
Ireland	70 (1.8)	
Denmark	70 (1.9)	
Chile	69 (2.1)	
France	69 (2.3)	
Sweden	69 (2.3)	
Australia	68 (2.0)	
<b>International Avg.</b>	<b>68 (0.3)</b>	
Turkey	67 (1.7)	
Japan	66 (2.2)	
Belgium (Flemish)	66 (1.9)	
Singapore	65 (1.9)	
Hong Kong SAR	65 (2.1)	
New Zealand	65 (1.8)	
Cyprus	64 (2.2)	
Iran, Islamic Rep. of	63 (2.3)	
Czech Republic	59 (2.1)	▼
Bahrain	49 (2.1)	▼
United Arab Emirates	48 (1.2)	▼
Georgia	47 (2.4)	▼
Morocco	46 (2.5)	▼
Oman	46 (1.8)	▼
Qatar	42 (2.3)	▼
Saudi Arabia	38 (2.5)	▼
Indonesia	38 (2.6)	▼
Kuwait	34 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	87 (2.4)	▲
Ontario, Canada	76 (1.5)	▲
Norway (4)	69 (2.6)	
Florida, US	69 (3.6)	
Dubai, UAE	58 (1.6)	▼
Buenos Aires, Argentina	48 (3.0)	▼
Abu Dhabi, UAE	45 (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**

**S02\_05 (S061130): Catch a disease without touching**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	78 (1.7)	▲
Singapore	77 (1.7)	▲
Korea, Rep. of	73 (1.9)	▲
Russian Federation	69 (2.0)	▲
Sweden	66 (2.6)	▲
Hong Kong SAR	62 (2.5)	▲
Kazakhstan	60 (2.7)	▲
Hungary	60 (1.8)	▲
Finland	58 (2.4)	▲
Denmark	57 (2.4)	▲
Slovenia	56 (2.6)	▲
Norway (5)	55 (2.2)	▲
Chinese Taipei	52 (2.4)	▲
Ireland	49 (2.4)	▲
Canada	49 (1.7)	▲
Bulgaria	49 (2.3)	▲
England	46 (2.3)	▲
Australia	44 (2.6)	
Serbia	42 (2.3)	
Italy	42 (2.5)	
Netherlands	42 (2.5)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
Georgia	41 (2.8)	
United States	40 (1.5)	
Slovak Republic	40 (2.3)	
Croatia	39 (2.5)	
Turkey	39 (1.8)	
Poland	38 (2.4)	
Cyprus	36 (2.4)	▼
Czech Republic	35 (2.1)	▼
Chile	34 (2.1)	▼
Belgium (Flemish)	33 (1.9)	▼
Northern Ireland	32 (2.7)	▼
Lithuania	31 (2.3)	▼
France	31 (2.5)	▼
Qatar	31 (1.8)	▼
Germany	31 (1.8)	▼
New Zealand	30 (1.6)	▼
United Arab Emirates	29 (1.4)	▼
Portugal	28 (1.8)	▼
Bahrain	23 (1.8)	▼
Saudi Arabia	22 (1.7)	▼
Indonesia	18 (2.1)	▼
Oman	18 (1.3)	▼
Spain	17 (1.6)	▼
Iran, Islamic Rep. of	15 (2.1)	▼
Kuwait	11 (1.4)	▼
Morocco	9 (1.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	57 (2.0)	▲
Florida, US	45 (3.8)	
Dubai, UAE	43 (2.0)	
Norway (4)	40 (2.6)	
Quebec, Canada	34 (3.7)	
Abu Dhabi, UAE	24 (2.4)	▼
Buenos Aires, Argentina	19 (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**

**S02\_06 (S061081): Magnet on top of toy car**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	83 (1.4)	▲
Japan	76 (1.8)	▲
Korea, Rep. of	75 (2.3)	▲
Chinese Taipei	56 (2.5)	▲
Slovenia	48 (2.5)	▲
Kazakhstan	47 (2.9)	▲
United States	45 (1.8)	▲
Sweden	44 (2.5)	▲
Slovak Republic	40 (1.9)	▲
Serbia	38 (2.3)	▲
Ireland	37 (2.4)	▲
Canada	36 (1.7)	▲
Russian Federation	36 (2.4)	▲
Hong Kong SAR	36 (2.0)	▲
Finland	36 (2.5)	▲
England	34 (2.1)	▲
Hungary	34 (2.3)	▲
Germany	31 (2.2)	
Turkey	30 (1.7)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Oman	29 (1.5)	
Lithuania	28 (2.6)	
Denmark	27 (2.1)	
Iran, Islamic Rep. of	27 (2.4)	
United Arab Emirates	25 (1.1)	▼
Croatia	25 (2.3)	▼
Poland	25 (2.1)	▼
Australia	23 (1.8)	▼
Bahrain	23 (1.9)	▼
Czech Republic	22 (1.7)	▼
Netherlands	21 (1.9)	▼
New Zealand	21 (1.4)	▼
Cyprus	21 (2.1)	▼
Belgium (Flemish)	21 (1.7)	▼
Spain	21 (1.5)	▼
Northern Ireland	18 (2.1)	▼
Georgia	18 (2.2)	▼
Italy	17 (1.6)	▼
Qatar	16 (1.6)	▼
Portugal	16 (1.8)	▼
Chile	13 (1.5)	▼
Bulgaria	11 (1.6)	▼
Saudi Arabia	11 (1.2)	▼
Indonesia	10 (1.5)	▼
Kuwait	9 (1.2)	▼
France	9 (1.5)	▼
Morocco	2 (0.6)	▼
Norway (5)	- -	
<b>Benchmarking Participants</b>		
Florida, US	54 (4.3)	▲
Ontario, Canada	39 (2.2)	▲
Dubai, UAE	38 (2.1)	▲
Quebec, Canada	30 (3.8)	
Abu Dhabi, UAE	20 (1.8)	▼
Buenos Aires, Argentina	12 (1.7)	▼
Norway (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.

A dash (-) indicates comparable data not available

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

**S02\_07 (S061060): Circuit without battery**  
**Constructed Response (1 Point)**

Country	Percent Correct	
England	81 (1.7)	▲
Singapore	81 (1.5)	▲
United States	74 (1.2)	▲
Hong Kong SAR	71 (2.2)	▲
Finland	70 (2.2)	▲
Russian Federation	69 (1.6)	▲
Australia	69 (2.0)	▲
Ireland	69 (2.3)	▲
Sweden	68 (2.3)	▲
Germany	68 (2.1)	▲
New Zealand	67 (1.6)	▲
Korea, Rep. of	66 (1.9)	▲
Northern Ireland	66 (2.9)	▲
Norway (5)	64 (2.5)	▲
Canada	63 (1.8)	▲
Denmark	60 (2.4)	▲
Slovenia	59 (2.2)	▲
Lithuania	59 (2.4)	▲
Portugal	58 (2.0)	▲
Chinese Taipei	58 (2.2)	▲
Kazakhstan	55 (2.5)	
Serbia	54 (2.5)	
Croatia	54 (2.2)	
Cyprus	53 (2.5)	
Netherlands	53 (2.6)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Slovak Republic	51 (2.1)	
Belgium (Flemish)	51 (2.0)	
Turkey	50 (2.1)	
Poland	49 (2.2)	
Czech Republic	49 (2.3)	
Japan	48 (1.9)	▼
Hungary	47 (2.0)	▼
France	47 (2.4)	▼
Bulgaria	46 (2.7)	▼
Spain	46 (1.6)	▼
Italy	45 (2.0)	▼
United Arab Emirates	42 (1.1)	▼
Qatar	41 (2.2)	▼
Bahrain	40 (2.0)	▼
Iran, Islamic Rep. of	38 (2.8)	▼
Chile	37 (1.7)	▼
Oman	29 (1.4)	▼
Indonesia	27 (2.2)	▼
Saudi Arabia	16 (1.4)	▼
Kuwait	16 (1.8)	▼
Georgia	16 (2.3)	▼
Morocco	16 (2.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	74 (2.9)	▲
Quebec, Canada	66 (2.5)	▲
Ontario, Canada	63 (1.9)	▲
Norway (4)	59 (2.6)	▲
Dubai, UAE	54 (1.7)	
Abu Dhabi, UAE	35 (2.3)	▼
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**

**S02\_08 (S061075): Ice cubes on aluminum foil**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Lithuania	83 (1.9)	▲
Singapore	81 (1.5)	▲
Slovenia	79 (2.2)	▲
Russian Federation	79 (1.7)	▲
Portugal	77 (1.8)	▲
Chinese Taipei	76 (2.0)	▲
Serbia	73 (2.0)	▲
Norway (5)	73 (2.1)	▲
Poland	72 (2.4)	▲
England	72 (1.9)	▲
United States	72 (1.4)	▲
Italy	71 (2.0)	▲
Netherlands	71 (2.7)	▲
Germany	70 (2.0)	▲
Bulgaria	69 (2.6)	▲
Spain	68 (2.3)	▲
Finland	68 (2.3)	▲
Czech Republic	68 (1.8)	▲
Hong Kong SAR	68 (2.2)	▲
Croatia	67 (2.3)	
Australia	67 (2.0)	
Belgium (Flemish)	66 (2.0)	
Ireland	66 (2.1)	
Kazakhstan	66 (2.4)	
Northern Ireland	65 (2.2)	
Slovak Republic	65 (2.1)	
International Avg.	63 (0.3)	
Georgia	63 (2.4)	
France	63 (2.2)	
Iran, Islamic Rep. of	63 (2.7)	
Korea, Rep. of	63 (1.9)	
Sweden	62 (2.4)	
Canada	62 (1.9)	
Denmark	61 (2.4)	
Japan	61 (1.9)	
Bahrain	59 (1.9)	▼
Turkey	58 (1.8)	▼
New Zealand	58 (2.1)	▼
United Arab Emirates	54 (1.4)	▼
Indonesia	53 (2.2)	▼
Hungary	53 (2.4)	▼
Cyprus	51 (2.2)	▼
Oman	48 (1.7)	▼
Chile	47 (2.2)	▼
Qatar	46 (1.9)	▼
Saudi Arabia	40 (2.2)	▼
Morocco	29 (2.3)	▼
Kuwait	29 (2.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	75 (2.4)	▲
Ontario, Canada	70 (1.8)	▲
Dubai, UAE	64 (1.9)	
Norway (4)	63 (2.3)	
Buenos Aires, Argentina	53 (2.8)	▼
Abu Dhabi, UAE	47 (2.2)	▼
Quebec, Canada	43 (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**

**S02\_09 (S061031): Electrical wires made of metal**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	60 (2.3)	▲
Kazakhstan	59 (2.7)	▲
Serbia	54 (2.3)	▲
Russian Federation	50 (2.4)	▲
Slovenia	49 (2.8)	▲
Korea, Rep. of	46 (2.3)	▲
Chinese Taipei	44 (2.5)	▲
Germany	43 (2.1)	▲
Hong Kong SAR	41 (2.4)	▲
Singapore	40 (2.0)	▲
Sweden	38 (3.2)	▲
Slovak Republic	37 (2.2)	▲
Finland	37 (2.6)	▲
Oman	35 (1.4)	▲
Lithuania	34 (2.8)	▲
Poland	33 (2.0)	▲
United States	30 (1.5)	
England	29 (2.1)	
Hungary	28 (2.0)	
Croatia	28 (2.3)	
<b>International Avg.</b>	<b>28 (0.3)</b>	
Iran, Islamic Rep. of	25 (2.3)	
Turkey	24 (1.4)	▼
Italy	23 (2.1)	▼
Czech Republic	23 (1.8)	▼
Qatar	22 (1.6)	▼
Ireland	22 (2.3)	▼
Bulgaria	22 (2.0)	▼
United Arab Emirates	22 (1.1)	▼
Bahrain	21 (1.7)	▼
Canada	21 (1.4)	▼
Northern Ireland	21 (2.4)	▼
Australia	21 (2.0)	▼
Morocco	20 (2.2)	▼
Saudi Arabia	20 (2.1)	▼
Denmark	19 (1.6)	▼
Spain	19 (1.8)	▼
Cyprus	19 (1.7)	▼
Norway (5)	19 (1.9)	▼
Georgia	17 (2.5)	▼
France	17 (1.9)	▼
New Zealand	17 (2.1)	▼
Belgium (Flemish)	16 (1.4)	▼
Netherlands	15 (2.1)	▼
Indonesia	12 (1.7)	▼
Chile	11 (1.2)	▼
Portugal	9 (1.1)	▼
Kuwait	7 (1.2)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	34 (1.6)	▲
Florida, US	23 (4.0)	
Quebec, Canada	20 (3.4)	▼
Ontario, Canada	20 (1.6)	▼
Abu Dhabi, UAE	15 (1.6)	▼
Buenos Aires, Argentina	14 (1.8)	▼
Norway (4)	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**

**S02\_10A (S061049A): Rock sliding on ice backwards**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Northern Ireland	82 (2.1)	▲
England	81 (1.5)	▲
Hungary	80 (1.8)	▲
United States	80 (1.2)	▲
Portugal	80 (1.8)	▲
Singapore	80 (1.5)	▲
Russian Federation	77 (1.9)	▲
Ireland	77 (2.3)	▲
Canada	76 (1.8)	▲
Serbia	75 (2.0)	▲
Korea, Rep. of	75 (2.0)	▲
Australia	75 (1.7)	▲
Italy	75 (2.0)	▲
Norway (5)	73 (2.5)	▲
Japan	73 (2.0)	▲
Slovenia	73 (1.9)	▲
Croatia	73 (2.4)	▲
Czech Republic	72 (1.8)	▲
Poland	71 (2.0)	▲
Bulgaria	71 (2.6)	▲
New Zealand	71 (1.4)	▲
Finland	71 (2.0)	▲
Sweden	68 (2.5)	
Slovak Republic	68 (2.1)	▲
Denmark	68 (1.9)	▲
Netherlands	66 (2.1)	
Chile	65 (2.2)	
France	65 (2.0)	
Belgium (Flemish)	64 (1.9)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Cyprus	63 (2.1)	
Spain	61 (2.1)	
Qatar	60 (2.4)	
Germany	60 (2.3)	
Turkey	59 (1.8)	▼
Lithuania	57 (2.5)	▼
United Arab Emirates	56 (1.2)	▼
Bahrain	56 (2.9)	▼
Chinese Taipei	55 (2.2)	▼
Kazakhstan	50 (2.8)	▼
Oman	47 (1.6)	▼
Georgia	46 (2.6)	▼
Hong Kong SAR	41 (2.5)	▼
Saudi Arabia	40 (2.6)	▼
Morocco	29 (2.4)	▼
Kuwait	28 (2.4)	▼
Iran, Islamic Rep. of	26 (2.6)	▼
Indonesia	21 (2.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	79 (2.2)	▲
Ontario, Canada	76 (1.8)	▲
Quebec, Canada	74 (3.0)	▲
Norway (4)	68 (2.0)	▲
Dubai, UAE	68 (1.6)	▲
Abu Dhabi, UAE	53 (2.5)	▼
Buenos Aires, Argentina	48 (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**

**S02\_10B (S061049B): Rock sliding on ice diagonally**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	76 (2.0)	▲
Poland	69 (1.8)	▲
Czech Republic	68 (2.1)	▲
Finland	67 (1.8)	▲
Denmark	66 (2.3)	▲
Singapore	64 (1.5)	▲
Japan	63 (2.2)	▲
Russian Federation	63 (1.9)	▲
Norway (5)	62 (2.6)	▲
Chile	62 (2.1)	▲
Italy	61 (2.4)	▲
Spain	61 (2.0)	▲
Australia	60 (2.0)	▲
Hong Kong SAR	60 (2.2)	▲
Germany	60 (2.1)	▲
Ireland	60 (2.6)	▲
Sweden	59 (2.3)	▲
England	59 (2.5)	▲
Portugal	59 (2.0)	▲
United States	59 (1.4)	▲
Slovenia	59 (2.2)	▲
Northern Ireland	58 (2.9)	
Serbia	57 (2.3)	
Belgium (Flemish)	57 (2.1)	
Cyprus	56 (2.1)	
Bulgaria	56 (2.4)	
New Zealand	55 (1.8)	
Slovak Republic	55 (2.1)	
Turkey	55 (1.8)	
Canada	55 (1.5)	
Netherlands	54 (2.9)	
Croatia	54 (2.6)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Chinese Taipei	52 (2.0)	
France	50 (2.5)	
Lithuania	47 (2.7)	▼
Hungary	47 (2.3)	▼
Kazakhstan	46 (2.5)	▼
United Arab Emirates	43 (1.4)	▼
Qatar	43 (1.8)	▼
Bahrain	41 (2.6)	▼
Georgia	39 (2.8)	▼
Saudi Arabia	37 (2.1)	▼
Oman	37 (1.7)	▼
Morocco	34 (2.2)	▼
Iran, Islamic Rep. of	28 (2.8)	▼
Kuwait	25 (2.0)	▼
Indonesia	22 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	62 (3.2)	▲
Florida, US	59 (3.7)	
Ontario, Canada	55 (2.0)	
Norway (4)	49 (2.4)	
Dubai, UAE	49 (1.9)	▼
Buenos Aires, Argentina	43 (2.9)	▼
Abu Dhabi, UAE	41 (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**

**S02\_11 (S061098): Wind shaping rocks in desert**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Netherlands	60 (2.3)	▲
Hong Kong SAR	60 (2.2)	▲
Sweden	58 (2.4)	▲
Finland	58 (2.4)	▲
Japan	58 (2.3)	▲
Denmark	56 (2.3)	▲
Czech Republic	54 (2.1)	▲
Kazakhstan	53 (2.5)	▲
Belgium (Flemish)	52 (2.3)	▲
Portugal	52 (2.2)	▲
Singapore	51 (1.7)	▲
Bulgaria	51 (2.2)	▲
Korea, Rep. of	50 (2.0)	▲
Indonesia	50 (2.5)	▲
Germany	49 (2.1)	▲
Norway (5)	48 (2.2)	▲
England	48 (2.3)	▲
United States	47 (1.5)	▲
Hungary	47 (2.3)	
Russian Federation	46 (2.4)	
Croatia	43 (2.5)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Lithuania	43 (2.3)	
Australia	43 (2.2)	
Chinese Taipei	41 (2.1)	
Northern Ireland	40 (2.6)	
Canada	40 (1.6)	
France	39 (2.4)	
Slovak Republic	39 (2.3)	
Morocco	38 (2.7)	
Ireland	38 (2.5)	▼
Poland	38 (2.0)	▼
Qatar	38 (1.6)	▼
United Arab Emirates	38 (1.2)	▼
Saudi Arabia	37 (2.3)	▼
Bahrain	36 (2.4)	▼
Cyprus	36 (1.8)	▼
Italy	35 (2.2)	▼
Slovenia	35 (2.5)	▼
Oman	34 (1.7)	▼
New Zealand	34 (1.8)	▼
Spain	33 (1.9)	▼
Turkey	33 (1.9)	▼
Chile	32 (2.4)	▼
Kuwait	30 (2.4)	▼
Serbia	27 (2.5)	▼
Iran, Islamic Rep. of	25 (2.3)	▼
Georgia	24 (2.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	49 (3.3)	
Ontario, Canada	43 (2.4)	
Dubai, UAE	39 (2.0)	▼
Abu Dhabi, UAE	38 (2.4)	▼
Quebec, Canada	35 (3.2)	▼
Norway (4)	30 (2.6)	▼
Buenos Aires, Argentina	21 (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**

**S02\_12 (S061172): Stars during the day**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	55 (2.4)	▲
Hong Kong SAR	50 (2.8)	▲
Hungary	49 (2.0)	▲
Kazakhstan	47 (2.0)	▲
Bulgaria	44 (2.2)	▲
Ireland	43 (2.1)	▲
Slovenia	42 (2.6)	▲
Singapore	41 (1.9)	▲
Northern Ireland	38 (2.4)	▲
Slovak Republic	38 (2.2)	▲
Sweden	38 (2.5)	▲
Finland	38 (2.1)	▲
Lithuania	36 (2.2)	▲
Norway (5)	36 (2.0)	▲
Serbia	36 (2.3)	▲
Australia	35 (2.2)	▲
Germany	35 (1.7)	▲
Canada	34 (1.9)	▲
England	34 (2.3)	▲
United States	32 (1.2)	▲
Denmark	32 (2.0)	
New Zealand	32 (1.9)	
Spain	30 (1.9)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
Belgium (Flemish)	29 (1.7)	
Bahrain	28 (1.7)	
Turkey	27 (1.6)	
Portugal	27 (2.0)	
Cyprus	26 (2.1)	
Korea, Rep. of	26 (1.8)	▼
Russian Federation	26 (2.0)	▼
Italy	25 (1.9)	▼
Oman	24 (1.3)	▼
United Arab Emirates	22 (1.0)	▼
Netherlands	22 (1.9)	▼
Saudi Arabia	22 (1.8)	▼
Chile	20 (1.8)	▼
Poland	20 (1.7)	▼
Indonesia	20 (2.1)	▼
Japan	19 (1.6)	▼
Georgia	18 (2.3)	▼
Croatia	18 (1.9)	▼
Qatar	17 (1.5)	▼
Czech Republic	14 (1.6)	▼
France	14 (1.7)	▼
Kuwait	13 (1.8)	▼
Iran, Islamic Rep. of	10 (1.6)	▼
Morocco	6 (1.2)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	38 (2.1)	▲
Florida, US	37 (2.7)	▲
Dubai, UAE	35 (1.6)	▲
Norway (4)	31 (2.2)	
Quebec, Canada	26 (3.3)	
Buenos Aires, Argentina	24 (2.2)	▼
Abu Dhabi, UAE	17 (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**

S03\_01 (S051041): Which is a mammal  
 Multiple Choice (Key is C)

Country	Percent Correct	
Kazakhstan	86 (1.5)	▲
Czech Republic	86 (1.2)	▲
Singapore	84 (1.3)	▲
Chinese Taipei	78 (1.9)	▲
Hungary	77 (2.5)	▲
Bulgaria	74 (2.7)	▲
Poland	71 (2.2)	▲
Georgia	70 (2.5)	▲
Denmark	70 (2.2)	▲
Spain	70 (2.2)	▲
Slovak Republic	68 (2.5)	▲
Indonesia	67 (2.4)	▲
United States	67 (1.3)	▲
Canada	64 (1.8)	▲
Italy	63 (2.5)	▲
Australia	63 (1.9)	▲
England	63 (2.1)	▲
Portugal	62 (2.1)	▲
Northern Ireland	61 (2.5)	
Finland	60 (2.5)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Qatar	56 (1.9)	
United Arab Emirates	55 (1.5)	
New Zealand	55 (1.9)	
Slovenia	54 (2.5)	
Lithuania	54 (2.5)	
Russian Federation	54 (1.8)	▼
Turkey	54 (2.1)	
Ireland	53 (2.7)	
Serbia	53 (3.1)	
Bahrain	53 (2.2)	▼
Iran, Islamic Rep. of	53 (2.9)	
Sweden	52 (2.1)	▼
Hong Kong SAR	52 (3.0)	
Oman	51 (1.9)	▼
Morocco	50 (2.6)	▼
Cyprus	49 (2.0)	▼
Saudi Arabia	48 (2.4)	▼
Chile	47 (2.0)	▼
Norway (5)	46 (2.3)	▼
Germany	45 (2.2)	▼
Netherlands	44 (2.4)	▼
Belgium (Flemish)	44 (2.0)	▼
France	43 (2.7)	▼
Croatia	36 (2.1)	▼
Korea, Rep. of	35 (2.2)	▼
Kuwait	31 (2.3)	▼
Japan	26 (1.7)	▼
<b>Benchmarking Participants</b>		
Florida, US	69 (3.2)	▲
Ontario, Canada	67 (2.1)	▲
Dubai, UAE	62 (2.2)	▲
Quebec, Canada	59 (4.1)	
Abu Dhabi, UAE	51 (2.3)	▼
Buenos Aires, Argentina	46 (3.2)	▼
Norway (4)	42 (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**

**S03\_02 (S051037): Body changes from running**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	79 (1.7)	▲
Kazakhstan	77 (1.5)	▲
Singapore	70 (1.9)	▲
England	69 (2.3)	▲
Sweden	68 (2.0)	▲
Poland	66 (2.2)	▲
Ireland	66 (2.0)	▲
Czech Republic	66 (2.4)	▲
Croatia	66 (2.2)	▲
Russian Federation	65 (2.6)	▲
Netherlands	63 (2.3)	▲
United States	63 (1.7)	▲
Norway (5)	62 (2.0)	▲
Finland	62 (2.1)	▲
Portugal	61 (2.2)	▲
Hungary	60 (2.2)	▲
Northern Ireland	60 (2.9)	▲
Australia	59 (2.5)	▲
Hong Kong SAR	58 (2.8)	▲
Slovak Republic	58 (2.2)	▲
Italy	57 (2.2)	▲
Slovenia	57 (2.5)	▲
Korea, Rep. of	54 (2.2)	
Canada	54 (1.8)	
Bulgaria	53 (3.0)	
Spain	52 (1.6)	
Denmark	51 (2.5)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Turkey	50 (2.1)	
Belgium (Flemish)	49 (2.0)	
Lithuania	49 (2.4)	
Georgia	49 (2.3)	
Serbia	48 (2.5)	
Cyprus	48 (2.4)	
France	46 (2.0)	▼
New Zealand	45 (1.7)	▼
Germany	44 (2.2)	▼
Chile	42 (2.0)	▼
Chinese Taipei	42 (2.2)	▼
Bahrain	40 (1.8)	▼
United Arab Emirates	38 (1.2)	▼
Iran, Islamic Rep. of	31 (2.9)	▼
Oman	26 (1.6)	▼
Qatar	26 (2.0)	▼
Indonesia	22 (2.1)	▼
Saudi Arabia	21 (2.0)	▼
Morocco	12 (1.6)	▼
Kuwait	12 (1.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	68 (3.0)	▲
Quebec, Canada	57 (2.9)	▲
Norway (4)	57 (2.6)	▲
Dubai, UAE	53 (1.7)	
Ontario, Canada	53 (2.3)	
Abu Dhabi, UAE	30 (2.0)	▼
Buenos Aires, Argentina	28 (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**

**S03\_03 (S051008): Pots with and without fertilizer**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	59 (2.4)	▲
Kazakhstan	58 (2.4)	▲
Japan	49 (2.1)	▲
Korea, Rep. of	43 (2.3)	▲
Finland	36 (2.3)	▲
Hong Kong SAR	36 (2.7)	▲
Sweden	36 (2.6)	▲
Chinese Taipei	33 (2.3)	▲
Belgium (Flemish)	32 (1.9)	▲
Norway (5)	32 (2.6)	▲
Germany	31 (1.9)	▲
Croatia	31 (2.2)	▲
England	30 (2.1)	▲
Russian Federation	30 (2.5)	▲
Denmark	29 (1.9)	▲
Australia	25 (1.9)	
Lithuania	24 (2.1)	
Poland	24 (1.9)	
Northern Ireland	24 (2.5)	
Hungary	24 (1.6)	
Netherlands	24 (1.8)	
<b>International Avg.</b>	<b>23 (0.3)</b>	
United States	22 (1.3)	
Slovenia	22 (2.0)	
Ireland	22 (1.8)	
Czech Republic	20 (1.8)	
Serbia	20 (1.9)	
France	20 (2.1)	
Canada	20 (1.5)	▼
New Zealand	19 (1.6)	▼
Bulgaria	19 (2.6)	
Spain	19 (1.8)	▼
Cyprus	17 (1.6)	▼
Bahrain	14 (1.9)	▼
Slovak Republic	14 (1.7)	▼
Qatar	14 (1.4)	▼
Italy	13 (1.5)	▼
Turkey	13 (1.3)	▼
United Arab Emirates	13 (0.7)	▼
Portugal	12 (1.3)	▼
Iran, Islamic Rep. of	11 (1.8)	▼
Georgia	9 (1.0)	▼
Morocco	9 (1.6)	▼
Indonesia	7 (1.2)	▼
Oman	7 (0.8)	▼
Chile	6 (0.9)	▼
Saudi Arabia	6 (1.1)	▼
Kuwait	4 (1.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	25 (2.9)	
Quebec, Canada	23 (3.4)	
Dubai, UAE	21 (1.4)	
Ontario, Canada	20 (2.0)	
Norway (4)	18 (1.7)	▼
Abu Dhabi, UAE	9 (1.1)	▼
Buenos Aires, Argentina	7 (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**

**S03\_04 (S051004): Birds similar color as environment**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	91 (1.1)	▲
Finland	87 (1.5)	▲
Czech Republic	85 (1.8)	▲
Poland	84 (1.5)	▲
Russian Federation	82 (2.0)	▲
Kazakhstan	82 (1.8)	▲
Hong Kong SAR	82 (1.8)	▲
Netherlands	81 (1.8)	▲
United States	81 (1.1)	▲
Slovenia	81 (1.8)	▲
Japan	79 (1.9)	▲
Singapore	79 (1.6)	▲
Hungary	78 (1.8)	▲
Chinese Taipei	78 (1.6)	▲
Croatia	77 (2.0)	▲
Northern Ireland	76 (2.4)	▲
Norway (5)	75 (2.4)	▲
Lithuania	75 (2.3)	▲
Australia	74 (2.1)	▲
Italy	74 (2.0)	▲
Belgium (Flemish)	73 (1.7)	▲
Bulgaria	72 (2.6)	
Sweden	72 (2.6)	
Canada	72 (1.4)	▲
Germany	72 (2.0)	▲
Serbia	71 (2.2)	
England	71 (2.1)	
Denmark	71 (2.1)	
Ireland	70 (2.5)	
<b>International Avg.</b>	<b>68 (0.3)</b>	
Slovak Republic	67 (2.2)	
New Zealand	66 (1.7)	
Cyprus	66 (2.2)	
Chile	63 (2.3)	▼
Turkey	60 (1.9)	▼
Georgia	59 (2.8)	▼
Spain	55 (2.2)	▼
France	54 (2.6)	▼
Oman	52 (1.3)	▼
Bahrain	52 (2.6)	▼
Iran, Islamic Rep. of	50 (3.0)	▼
United Arab Emirates	49 (1.2)	▼
Portugal	48 (2.5)	▼
Qatar	45 (2.5)	▼
Kuwait	45 (2.4)	▼
Saudi Arabia	44 (1.9)	▼
Morocco	35 (2.3)	▼
Indonesia	30 (2.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	83 (2.3)	▲
Quebec, Canada	72 (2.8)	
Ontario, Canada	71 (2.2)	
Dubai, UAE	64 (1.8)	▼
Norway (4)	60 (2.4)	▼
Abu Dhabi, UAE	42 (2.2)	▼
Buenos Aires, Argentina	34 (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**

**S03\_05A (S051026A): T/F about predator/prey: sharp teeth**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Italy	89 (1.4)	▲
Japan	89 (1.1)	▲
Chinese Taipei	87 (1.5)	▲
Spain	83 (1.6)	▲
Portugal	83 (1.6)	▲
Chile	81 (1.7)	▲
Croatia	81 (1.7)	▲
Bulgaria	81 (1.9)	▲
Cyprus	81 (1.8)	▲
England	80 (1.9)	▲
Lithuania	80 (2.2)	▲
Hungary	79 (2.0)	▲
Australia	78 (1.7)	▲
Canada	78 (1.5)	▲
Slovak Republic	77 (1.8)	▲
Northern Ireland	77 (2.3)	
Ireland	76 (2.1)	
United States	76 (1.1)	▲
Norway (5)	75 (1.6)	
Russian Federation	75 (2.0)	
Netherlands	75 (2.1)	
Hong Kong SAR	75 (2.2)	
United Arab Emirates	74 (0.9)	
Turkey	74 (1.7)	
Slovenia	74 (2.1)	
Kazakhstan	74 (2.3)	
New Zealand	74 (1.5)	
Korea, Rep. of	74 (1.8)	
Germany	73 (1.9)	
<b>International Avg.</b>	<b>73 (0.3)</b>	
Bahrain	72 (1.8)	
Sweden	71 (2.4)	
Qatar	70 (2.0)	
Saudi Arabia	69 (2.1)	
Finland	69 (2.2)	▼
Serbia	68 (2.1)	▼
Poland	67 (2.3)	▼
Denmark	67 (2.0)	▼
Belgium (Flemish)	67 (1.9)	▼
Oman	66 (1.5)	▼
France	66 (1.9)	▼
Kuwait	64 (2.4)	▼
Georgia	63 (2.1)	▼
Singapore	62 (1.5)	▼
Morocco	59 (2.0)	▼
Indonesia	57 (2.7)	▼
Czech Republic	56 (2.3)	▼
Iran, Islamic Rep. of	52 (2.9)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	80 (1.9)	▲
Dubai, UAE	80 (1.2)	▲
Quebec, Canada	79 (3.1)	
Florida, US	74 (2.2)	
Norway (4)	72 (2.5)	
Abu Dhabi, UAE	69 (1.9)	▼
Buenos Aires, Argentina	64 (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**

**S03\_05B (S051026B): T/F about predator/prey: bigger**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	83 (1.7)	▲
Norway (5)	77 (2.0)	▲
Netherlands	76 (2.2)	▲
Japan	75 (1.5)	▲
Singapore	74 (1.9)	▲
Finland	72 (2.4)	▲
Chinese Taipei	71 (2.3)	▲
Australia	69 (1.9)	▲
England	68 (2.0)	▲
United States	67 (1.4)	▲
Ireland	66 (2.0)	▲
Northern Ireland	66 (2.5)	▲
Poland	66 (2.4)	▲
Hong Kong SAR	66 (2.3)	▲
Sweden	65 (2.7)	▲
Denmark	65 (2.1)	▲
Germany	65 (2.1)	▲
Hungary	65 (2.0)	▲
Canada	64 (1.8)	▲
Belgium (Flemish)	60 (2.1)	
Turkey	59 (1.9)	
New Zealand	59 (2.2)	
Croatia	59 (2.6)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Russian Federation	57 (2.2)	
Kazakhstan	56 (2.8)	
Italy	55 (2.4)	
Slovenia	55 (2.2)	
Cyprus	55 (2.2)	
France	54 (2.0)	
Lithuania	53 (2.4)	
Spain	53 (2.0)	▼
Czech Republic	53 (2.3)	▼
Bahrain	52 (2.5)	▼
Portugal	52 (2.3)	▼
Bulgaria	50 (2.7)	▼
Iran, Islamic Rep. of	49 (2.7)	▼
Chile	48 (2.1)	▼
Slovak Republic	48 (1.8)	▼
United Arab Emirates	47 (1.2)	▼
Qatar	46 (2.1)	▼
Serbia	44 (2.3)	▼
Oman	44 (1.6)	▼
Georgia	43 (2.3)	▼
Morocco	41 (2.3)	▼
Saudi Arabia	38 (2.3)	▼
Kuwait	37 (2.7)	▼
Indonesia	29 (2.6)	▼
<b>Benchmarking Participants</b>		
Norway (4)	67 (2.6)	▲
Florida, US	65 (2.6)	▲
Ontario, Canada	65 (2.9)	▲
Quebec, Canada	62 (3.1)	
Dubai, UAE	52 (1.7)	▼
Abu Dhabi, UAE	45 (2.1)	▼
Buenos Aires, Argentina	43 (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**

**S03\_05C (S051026C): T/F about predator/prey: large**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	96 (0.9)	▲
Singapore	88 (1.1)	▲
Chinese Taipei	87 (1.7)	▲
Northern Ireland	86 (1.6)	▲
United States	86 (1.0)	▲
Ireland	86 (1.7)	▲
Australia	85 (1.3)	▲
Netherlands	84 (1.9)	▲
Norway (5)	83 (1.9)	▲
Poland	83 (1.8)	▲
England	82 (1.6)	▲
Sweden	82 (2.0)	▲
Japan	82 (1.7)	▲
Hong Kong SAR	82 (2.1)	▲
Belgium (Flemish)	80 (1.8)	▲
Canada	80 (1.4)	▲
Spain	79 (1.8)	▲
Denmark	78 (2.1)	▲
New Zealand	78 (1.5)	▲
Croatia	77 (2.1)	▲
Hungary	77 (2.0)	▲
Finland	76 (2.0)	
Germany	75 (1.7)	
Lithuania	75 (2.1)	
Slovenia	75 (1.9)	
Portugal	75 (1.9)	
Russian Federation	74 (2.1)	
Turkey	72 (1.7)	
<b>International Avg.</b>	<b>72 (0.3)</b>	
Italy	71 (2.3)	
France	69 (2.2)	
Kazakhstan	68 (2.1)	
Serbia	68 (2.6)	
Czech Republic	66 (2.4)	▼
Chile	65 (2.1)	▼
Slovak Republic	64 (2.3)	▼
Bahrain	63 (2.2)	▼
Cyprus	63 (2.1)	▼
Bulgaria	62 (2.6)	▼
United Arab Emirates	62 (0.9)	▼
Qatar	58 (1.8)	▼
Georgia	53 (2.6)	▼
Morocco	52 (2.6)	▼
Iran, Islamic Rep. of	51 (2.7)	▼
Oman	50 (1.9)	▼
Kuwait	50 (2.7)	▼
Saudi Arabia	45 (2.0)	▼
Indonesia	44 (2.7)	▼
<b>Benchmarking Participants</b>		
Florida, US	87 (1.8)	▲
Ontario, Canada	80 (1.8)	▲
Quebec, Canada	79 (2.8)	▲
Norway (4)	74 (1.9)	
Dubai, UAE	71 (1.3)	
Abu Dhabi, UAE	56 (1.9)	▼
Buenos Aires, Argentina	53 (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**

S03\_05D (S051026D): T/F about predator/prey: both pred and prey  
Multiple Choice (Key is A)

Country	Percent Correct	
Hong Kong SAR	94 (1.3)	▲
Poland	93 (1.1)	▲
Finland	93 (1.2)	▲
Korea, Rep. of	92 (1.2)	▲
Singapore	92 (0.9)	▲
Netherlands	91 (1.5)	▲
Northern Ireland	91 (1.6)	▲
United States	90 (0.8)	▲
Chinese Taipei	90 (1.5)	▲
Germany	89 (1.5)	▲
Lithuania	88 (1.4)	▲
England	88 (1.3)	▲
Ireland	88 (1.6)	▲
Australia	88 (1.4)	▲
Belgium (Flemish)	88 (1.3)	▲
Russian Federation	87 (1.3)	▲
Norway (5)	87 (1.5)	▲
Denmark	87 (1.6)	▲
Canada	85 (1.3)	▲
Slovenia	85 (1.4)	▲
Sweden	84 (1.9)	▲
Spain	84 (1.6)	▲
New Zealand	84 (1.3)	▲
Kazakhstan	83 (1.7)	▲
Italy	82 (1.9)	
Turkey	81 (1.5)	
Czech Republic	81 (1.7)	
France	81 (2.0)	
Croatia	80 (1.7)	
Hungary	80 (2.3)	
Slovak Republic	79 (1.7)	
<b>International Avg.</b>	<b>79 (0.3)</b>	
Portugal	77 (1.5)	
Bulgaria	77 (2.0)	
Chile	76 (2.1)	
Serbia	75 (2.1)	
Japan	75 (1.8)	▼
Cyprus	73 (1.9)	▼
Iran, Islamic Rep. of	71 (2.6)	▼
Bahrain	70 (2.1)	▼
United Arab Emirates	65 (1.4)	▼
Georgia	60 (2.5)	▼
Qatar	58 (2.1)	▼
Indonesia	57 (2.4)	▼
Kuwait	49 (3.3)	▼
Oman	49 (1.6)	▼
Morocco	47 (2.5)	▼
Saudi Arabia	44 (2.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	91 (2.0)	▲
Quebec, Canada	88 (2.1)	▲
Ontario, Canada	84 (1.8)	▲
Norway (4)	81 (1.7)	
Dubai, UAE	76 (1.8)	
Buenos Aires, Argentina	62 (2.4)	▼
Abu Dhabi, UAE	61 (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**

**S03\_05Z (S051026Z): T/F about predator/prey (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	56 (2.3)	▲
Chinese Taipei	55 (2.2)	▲
Japan	55 (1.9)	▲
Norway (5)	52 (2.8)	▲
England	51 (2.1)	▲
United States	51 (1.4)	▲
Australia	50 (2.4)	▲
Netherlands	50 (2.4)	▲
Canada	49 (1.9)	▲
Ireland	47 (2.2)	▲
Northern Ireland	46 (3.0)	▲
Sweden	44 (2.9)	▲
Singapore	44 (1.9)	▲
New Zealand	43 (2.1)	▲
Hungary	42 (2.4)	▲
Germany	42 (2.2)	▲
Poland	42 (2.0)	▲
Hong Kong SAR	41 (2.6)	
Spain	41 (1.9)	▲
Belgium (Flemish)	41 (2.3)	
Finland	40 (2.7)	
Croatia	39 (2.2)	
Denmark	39 (2.2)	
Turkey	38 (1.8)	
Italy	38 (2.2)	
Russian Federation	38 (2.2)	
Slovenia	37 (2.2)	
Portugal	37 (1.9)	
<b>International Avg.</b>	<b>36 (0.3)</b>	
Lithuania	34 (2.3)	
Chile	34 (2.1)	
Kazakhstan	32 (2.6)	
Cyprus	32 (1.9)	▼
Bulgaria	30 (2.4)	▼
Bahrain	30 (1.8)	▼
France	28 (1.9)	▼
Slovak Republic	28 (1.8)	▼
Serbia	24 (1.9)	▼
United Arab Emirates	24 (1.0)	▼
Czech Republic	24 (2.1)	▼
Qatar	24 (2.1)	▼
Georgia	23 (2.0)	▼
Iran, Islamic Rep. of	20 (2.3)	▼
Oman	17 (1.3)	▼
Morocco	17 (2.2)	▼
Saudi Arabia	15 (1.8)	▼
Kuwait	11 (1.7)	▼
Indonesia	11 (1.7)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	52 (2.8)	▲
Florida, US	50 (2.8)	▲
Quebec, Canada	45 (3.3)	▲
Norway (4)	41 (2.9)	
Dubai, UAE	32 (1.6)	▼
Buenos Aires, Argentina	28 (2.5)	▼
Abu Dhabi, UAE	22 (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**

**S03\_06 (S051130): Take salt out of birthday cake**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Kazakhstan	63 (3.0)	▲
Singapore	47 (1.8)	▲
Lithuania	39 (2.7)	▲
Hungary	38 (2.1)	▲
Russian Federation	37 (2.1)	▲
Norway (5)	36 (2.3)	▲
Denmark	33 (2.2)	▲
Slovenia	33 (2.6)	▲
Iran, Islamic Rep. of	32 (2.7)	▲
England	32 (2.2)	▲
Bulgaria	31 (2.3)	▲
Belgium (Flemish)	30 (1.9)	▲
Japan	30 (2.0)	▲
Slovak Republic	29 (1.7)	▲
United States	29 (1.4)	▲
Croatia	29 (2.1)	▲
Bahrain	29 (1.9)	▲
Poland	29 (2.2)	▲
Serbia	28 (2.3)	
Czech Republic	26 (2.1)	
New Zealand	24 (1.6)	
<b>International Avg.</b>	<b>24 (0.3)</b>	
Hong Kong SAR	24 (3.0)	
Northern Ireland	24 (2.4)	
Chinese Taipei	22 (1.9)	
Germany	22 (2.0)	
Oman	21 (1.5)	
United Arab Emirates	21 (1.2)	▼
Australia	21 (2.1)	
Netherlands	20 (1.8)	▼
Ireland	19 (1.7)	▼
Korea, Rep. of	19 (1.9)	▼
Finland	19 (1.5)	▼
Canada	17 (1.1)	▼
France	17 (1.6)	▼
Georgia	16 (2.0)	▼
Qatar	16 (1.9)	▼
Italy	16 (1.4)	▼
Morocco	16 (1.7)	▼
Turkey	16 (1.4)	▼
Cyprus	15 (1.5)	▼
Indonesia	14 (1.5)	▼
Chile	13 (1.3)	▼
Spain	12 (1.0)	▼
Portugal	10 (1.4)	▼
Saudi Arabia	9 (1.2)	▼
Kuwait	8 (1.3)	▼
Sweden	7 (1.3)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	33 (2.2)	▲
Florida, US	27 (3.0)	
Norway (4)	23 (2.2)	
Ontario, Canada	20 (1.8)	▼
Abu Dhabi, UAE	18 (2.0)	▼
Quebec, Canada	14 (2.1)	▼
Buenos Aires, Argentina	6 (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**

**S03\_07 (S051114): Four objects sorted into groups**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	93 (1.0)	▲
Singapore	89 (1.1)	▲
Hong Kong SAR	69 (2.6)	▲
England	66 (2.1)	▲
Finland	66 (2.1)	▲
Chinese Taipei	66 (2.1)	▲
Czech Republic	61 (2.0)	▲
Russian Federation	60 (2.2)	▲
Kazakhstan	59 (2.9)	▲
Slovenia	58 (2.5)	▲
Canada	58 (1.6)	▲
United States	57 (1.4)	▲
Australia	57 (2.1)	▲
Northern Ireland	57 (2.8)	▲
Japan	56 (2.3)	▲
Ireland	56 (2.6)	▲
Slovak Republic	55 (2.5)	
Poland	53 (2.2)	
Bulgaria	52 (3.3)	
Spain	52 (1.9)	
Italy	51 (2.3)	
Croatia	50 (2.2)	
Hungary	50 (2.1)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
New Zealand	50 (2.3)	
Sweden	49 (1.9)	
Portugal	49 (1.9)	
Cyprus	47 (2.1)	
Serbia	47 (2.6)	
Turkey	46 (2.0)	
Norway (5)	46 (2.1)	
Netherlands	45 (2.2)	▼
Lithuania	45 (2.2)	▼
Germany	45 (2.4)	▼
United Arab Emirates	44 (1.2)	▼
Denmark	43 (2.1)	▼
Belgium (Flemish)	41 (2.1)	▼
Chile	40 (1.8)	▼
Qatar	38 (1.9)	▼
Georgia	38 (2.3)	▼
France	37 (1.8)	▼
Bahrain	35 (2.0)	▼
Indonesia	35 (2.6)	▼
Oman	33 (1.7)	▼
Morocco	31 (2.5)	▼
Saudi Arabia	31 (2.2)	▼
Kuwait	30 (2.4)	▼
Iran, Islamic Rep. of	26 (2.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	61 (2.1)	▲
Florida, US	61 (2.6)	▲
Dubai, UAE	57 (1.4)	▲
Quebec, Canada	48 (3.8)	
Norway (4)	43 (2.8)	▼
Buenos Aires, Argentina	38 (2.8)	▼
Abu Dhabi, UAE	37 (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**

**S03\_08A (S051121A): Objects conductors: spoon**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	93 (0.9)	▲
Chinese Taipei	93 (1.3)	▲
Northern Ireland	92 (1.7)	▲
Finland	91 (1.0)	▲
Belgium (Flemish)	91 (1.3)	▲
Poland	91 (1.1)	▲
Czech Republic	91 (1.3)	▲
Slovak Republic	90 (1.3)	▲
Japan	90 (1.2)	▲
England	90 (1.3)	▲
Netherlands	90 (1.4)	▲
Hong Kong SAR	89 (1.5)	▲
Kazakhstan	89 (1.2)	▲
Slovenia	89 (1.5)	▲
Croatia	88 (1.5)	▲
United States	87 (0.9)	▲
Russian Federation	87 (1.7)	▲
Italy	87 (1.6)	▲
Korea, Rep. of	87 (1.2)	▲
Ireland	86 (1.6)	▲
Portugal	86 (1.7)	▲
Germany	86 (1.3)	▲
Spain	86 (1.5)	▲
Hungary	86 (1.7)	▲
Serbia	85 (1.6)	
Turkey	83 (1.7)	
<b>International Avg.</b>	<b>82 (0.2)</b>	
France	82 (2.2)	
Australia	82 (1.6)	
Canada	82 (1.2)	
Norway (5)	81 (1.7)	
Bulgaria	79 (2.1)	
Denmark	79 (2.1)	
Sweden	79 (2.1)	
Lithuania	78 (2.2)	
New Zealand	78 (2.0)	▼
United Arab Emirates	77 (0.9)	▼
Bahrain	77 (1.8)	▼
Chile	77 (1.9)	▼
Cyprus	76 (1.8)	▼
Qatar	74 (1.7)	▼
Oman	74 (1.2)	▼
Saudi Arabia	70 (2.0)	▼
Indonesia	68 (2.4)	▼
Georgia	65 (2.3)	▼
Iran, Islamic Rep. of	64 (3.0)	▼
Kuwait	57 (2.3)	▼
Morocco	53 (2.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	87 (2.6)	▲
Quebec, Canada	86 (2.1)	▲
Dubai, UAE	85 (1.5)	
Ontario, Canada	81 (1.7)	
Norway (4)	73 (2.4)	▼
Abu Dhabi, UAE	73 (1.7)	▼
Buenos Aires, Argentina	67 (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**

**S03\_08B (S051121B): Objects conductors: comb**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	91 (1.0)	▲
Chinese Taipei	91 (1.4)	▲
Singapore	91 (1.0)	▲
Slovak Republic	90 (1.2)	▲
England	87 (1.7)	▲
Slovenia	87 (1.6)	▲
Portugal	86 (1.6)	▲
Kazakhstan	86 (1.4)	▲
Hong Kong SAR	85 (1.8)	▲
Germany	85 (1.8)	▲
Belgium (Flemish)	84 (1.5)	▲
Italy	83 (1.7)	▲
Spain	83 (1.7)	▲
Northern Ireland	83 (2.1)	▲
United States	83 (1.0)	▲
Norway (5)	83 (1.6)	▲
Bulgaria	82 (2.2)	▲
Czech Republic	81 (1.8)	▲
Hungary	80 (1.8)	
Sweden	80 (1.8)	
Australia	79 (1.7)	
Croatia	79 (2.1)	
Netherlands	79 (1.9)	
Ireland	78 (2.2)	
United Arab Emirates	78 (1.1)	
France	77 (2.2)	
Chile	77 (2.0)	
Bahrain	77 (1.9)	
International Avg.	77 (0.3)	
Denmark	77 (2.1)	
New Zealand	75 (1.9)	
Oman	75 (1.4)	
Korea, Rep. of	75 (1.6)	
Canada	75 (1.5)	
Poland	75 (2.1)	
Cyprus	73 (2.3)	
Qatar	73 (1.9)	▼
Turkey	71 (2.1)	▼
Finland	70 (2.0)	▼
Saudi Arabia	70 (2.3)	▼
Indonesia	68 (2.8)	▼
Lithuania	66 (2.3)	▼
Georgia	66 (2.5)	▼
Iran, Islamic Rep. of	64 (3.0)	▼
Morocco	62 (2.2)	▼
Kuwait	59 (2.9)	▼
Russian Federation	57 (2.5)	▼
Serbia	33 (2.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	86 (1.4)	▲
Florida, US	86 (2.4)	▲
Quebec, Canada	78 (3.3)	
Abu Dhabi, UAE	76 (1.9)	
Norway (4)	73 (2.5)	
Ontario, Canada	72 (2.1)	▼
Buenos Aires, Argentina	67 (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**

**S03\_08C (S051121C): Objects conductors: chain**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Japan	94 (1.2)	▲
Chinese Taipei	91 (1.3)	▲
Poland	88 (1.8)	▲
Hong Kong SAR	88 (1.9)	▲
Germany	86 (1.6)	▲
Netherlands	86 (1.7)	▲
Korea, Rep. of	83 (1.6)	▲
England	83 (1.5)	▲
Sweden	82 (1.7)	▲
United States	81 (1.1)	▲
Finland	81 (1.8)	▲
Slovenia	80 (1.8)	▲
Lithuania	79 (2.2)	▲
Norway (5)	78 (1.8)	▲
Slovak Republic	77 (1.7)	
Singapore	77 (1.4)	
Croatia	77 (1.8)	
Northern Ireland	76 (2.4)	
Portugal	76 (2.1)	
Cyprus	76 (1.7)	
Spain	75 (1.9)	
Italy	75 (2.1)	
Hungary	75 (1.9)	
Ireland	75 (2.2)	
Belgium (Flemish)	74 (1.8)	
<b>International Avg.</b>	<b>74 (0.3)</b>	
Australia	74 (1.9)	
France	73 (2.3)	
Denmark	72 (2.1)	
Turkey	72 (1.6)	
Bulgaria	72 (2.1)	
Kazakhstan	72 (2.1)	
New Zealand	71 (1.9)	
Indonesia	70 (2.8)	
United Arab Emirates	69 (1.2)	▼
Czech Republic	69 (2.2)	▼
Canada	69 (1.5)	▼
Russian Federation	68 (2.0)	▼
Bahrain	68 (2.1)	▼
Oman	67 (1.6)	▼
Qatar	65 (1.9)	▼
Georgia	64 (2.7)	▼
Chile	64 (2.0)	▼
Iran, Islamic Rep. of	63 (2.9)	▼
Saudi Arabia	61 (2.1)	▼
Morocco	60 (2.5)	▼
Kuwait	60 (2.7)	▼
Serbia	51 (2.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	79 (2.7)	
Florida, US	77 (2.8)	
Dubai, UAE	75 (1.8)	
Norway (4)	68 (2.3)	▼
Abu Dhabi, UAE	67 (2.2)	▼
Ontario, Canada	64 (2.1)	▼
Buenos Aires, Argentina	63 (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**

S03\_08D (S051121D): Objects conductors: ball  
Multiple Choice (Key is B)

Country	Percent Correct	
Japan	93 (1.1)	▲
Chinese Taipei	92 (1.2)	▲
Singapore	91 (1.0)	▲
Korea, Rep. of	88 (1.6)	▲
Slovak Republic	87 (1.3)	▲
Kazakhstan	87 (1.3)	▲
Croatia	87 (1.3)	▲
Hong Kong SAR	86 (1.5)	▲
Poland	84 (1.5)	▲
Slovenia	84 (1.9)	▲
Czech Republic	81 (1.9)	▲
England	81 (1.6)	▲
Bulgaria	81 (2.3)	▲
Hungary	80 (1.8)	▲
Germany	80 (1.9)	▲
Portugal	80 (2.0)	▲
Lithuania	78 (2.3)	
Turkey	78 (1.8)	
Russian Federation	77 (2.3)	
Italy	77 (1.8)	
Spain	76 (2.1)	
Oman	76 (1.6)	
<b>International Avg.</b>	<b>76 (0.3)</b>	
Finland	75 (1.9)	
Netherlands	75 (2.1)	
Norway (5)	74 (1.6)	
Cyprus	73 (1.7)	
Bahrain	73 (1.7)	
Sweden	73 (2.4)	
Northern Ireland	73 (2.7)	
United Arab Emirates	73 (1.0)	▼
Belgium (Flemish)	72 (2.1)	
France	71 (2.4)	
Chile	71 (2.0)	▼
Saudi Arabia	71 (2.1)	▼
United States	70 (1.2)	▼
Australia	70 (1.9)	▼
Denmark	70 (2.1)	▼
Qatar	69 (1.7)	▼
Ireland	68 (2.2)	▼
Canada	67 (1.6)	▼
Georgia	66 (2.0)	▼
Indonesia	66 (2.7)	▼
Iran, Islamic Rep. of	64 (2.9)	▼
Serbia	64 (2.7)	▼
New Zealand	63 (2.0)	▼
Kuwait	61 (2.6)	▼
Morocco	56 (2.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	76 (1.9)	
Quebec, Canada	73 (3.3)	
Abu Dhabi, UAE	69 (2.3)	▼
Florida, US	69 (2.7)	▼
Norway (4)	67 (2.4)	▼
Buenos Aires, Argentina	66 (2.5)	▼
Ontario, Canada	65 (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**

**S03\_08E (S051121E): Objects conductors: key**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Japan	95 (0.8)	▲
Chinese Taipei	95 (1.0)	▲
Hong Kong SAR	93 (1.4)	▲
Kazakhstan	91 (1.5)	▲
Singapore	91 (0.9)	▲
Korea, Rep. of	90 (1.3)	▲
Germany	89 (1.6)	▲
Slovenia	86 (1.8)	▲
Bulgaria	85 (1.6)	▲
Croatia	84 (1.6)	▲
Oman	84 (1.1)	▲
United States	84 (1.1)	▲
Netherlands	84 (1.8)	▲
Poland	83 (1.9)	▲
Sweden	82 (1.8)	▲
England	82 (1.7)	
Finland	81 (1.7)	
Slovak Republic	81 (1.4)	
Bahrain	81 (2.1)	
Norway (5)	80 (1.9)	
Spain	79 (1.7)	
<b>International Avg.</b>	<b>79 (0.3)</b>	
Northern Ireland	79 (1.8)	
Italy	77 (2.0)	
Portugal	77 (2.1)	
Cyprus	77 (1.5)	
Hungary	77 (1.9)	
Lithuania	76 (2.0)	
United Arab Emirates	76 (0.9)	▼
Ireland	76 (2.2)	
Iran, Islamic Rep. of	76 (2.9)	
Indonesia	75 (2.5)	
Belgium (Flemish)	75 (1.7)	▼
New Zealand	74 (1.8)	▼
France	74 (2.1)	▼
Australia	74 (1.7)	▼
Russian Federation	74 (2.2)	▼
Saudi Arabia	73 (2.0)	▼
Turkey	72 (1.7)	▼
Canada	72 (1.3)	▼
Qatar	72 (1.7)	▼
Morocco	72 (2.5)	▼
Denmark	72 (2.3)	▼
Czech Republic	70 (2.2)	▼
Kuwait	67 (2.5)	▼
Chile	65 (2.0)	▼
Georgia	64 (2.0)	▼
Serbia	60 (2.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	83 (2.5)	
Dubai, UAE	82 (1.1)	▲
Quebec, Canada	80 (3.1)	
Abu Dhabi, UAE	73 (1.9)	▼
Ontario, Canada	70 (1.8)	▼
Norway (4)	66 (1.8)	▼
Buenos Aires, Argentina	64 (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**

**S03\_08Z (S051121Z): Objects conductors (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	78 (2.0)	▲
Japan	78 (1.8)	▲
Hong Kong SAR	68 (2.2)	▲
Slovenia	66 (2.4)	▲
Singapore	65 (1.5)	▲
Germany	62 (2.3)	▲
Slovak Republic	61 (2.3)	▲
England	60 (1.9)	▲
Kazakhstan	56 (2.1)	▲
Korea, Rep. of	55 (1.9)	▲
Poland	55 (2.5)	▲
United States	55 (1.4)	▲
Portugal	55 (2.4)	▲
Croatia	54 (2.2)	▲
Netherlands	53 (2.2)	
Sweden	52 (3.0)	
Bulgaria	52 (2.6)	
Spain	51 (2.1)	
Norway (5)	50 (2.1)	
Belgium (Flemish)	50 (2.2)	
Italy	50 (2.4)	
Cyprus	50 (2.4)	
Finland	49 (2.2)	
<b>International Avg.</b>	<b>49 (0.3)</b>	
Czech Republic	48 (2.4)	
Hungary	48 (2.4)	
Oman	47 (1.7)	
Lithuania	47 (2.4)	
France	47 (2.7)	
Denmark	46 (2.4)	
Northern Ireland	46 (2.6)	
Australia	44 (1.9)	▼
Iran, Islamic Rep. of	44 (3.2)	
Ireland	43 (2.4)	▼
Bahrain	43 (1.9)	▼
United Arab Emirates	42 (1.2)	▼
Indonesia	42 (2.6)	▼
Canada	41 (1.5)	▼
Qatar	41 (1.7)	▼
Saudi Arabia	41 (2.3)	▼
Turkey	40 (2.3)	▼
Russian Federation	39 (2.7)	▼
New Zealand	38 (2.3)	▼
Chile	38 (1.8)	▼
Georgia	36 (2.2)	▼
Morocco	30 (2.5)	▼
Kuwait	24 (2.7)	▼
Serbia	23 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	53 (3.7)	
Florida, US	53 (2.7)	
Dubai, UAE	51 (2.0)	
Buenos Aires, Argentina	39 (2.6)	▼
Abu Dhabi, UAE	39 (2.3)	▼
Norway (4)	38 (2.4)	▼
Ontario, Canada	38 (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**

**S03\_09 (S051147): Marble rolls down the track**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Kazakhstan	60 (3.0)	▲
Russian Federation	53 (2.6)	▲
Sweden	46 (2.5)	▲
Denmark	45 (2.4)	▲
Slovak Republic	43 (2.1)	▲
Netherlands	39 (2.9)	▲
United States	39 (1.8)	▲
Bulgaria	38 (3.1)	▲
Norway (5)	37 (2.3)	▲
Korea, Rep. of	37 (2.0)	▲
Czech Republic	37 (2.3)	▲
England	35 (2.4)	▲
Finland	34 (2.3)	▲
Germany	32 (2.1)	▲
Ireland	31 (2.2)	▲
Belgium (Flemish)	29 (1.9)	
Chinese Taipei	29 (2.1)	
Canada	29 (1.4)	
Northern Ireland	29 (2.3)	
Hungary	28 (1.9)	
Singapore	28 (1.7)	
New Zealand	27 (2.0)	
Hong Kong SAR	27 (2.3)	
<b>International Avg.</b>	<b>26 (0.3)</b>	
Croatia	26 (1.9)	
Spain	25 (1.9)	
Australia	25 (2.0)	
Saudi Arabia	25 (2.0)	
Japan	23 (1.8)	
Poland	23 (1.7)	
United Arab Emirates	23 (1.1)	▼
Lithuania	23 (2.5)	
Bahrain	20 (1.9)	▼
Serbia	20 (2.6)	▼
Chile	18 (1.7)	▼
Indonesia	16 (2.1)	▼
Kuwait	16 (1.8)	▼
Slovenia	15 (2.1)	▼
Italy	15 (1.6)	▼
Portugal	14 (1.3)	▼
Oman	13 (1.0)	▼
Morocco	12 (2.0)	▼
Cyprus	11 (1.4)	▼
Qatar	11 (1.4)	▼
France	9 (1.4)	▼
Iran, Islamic Rep. of	8 (1.5)	▼
Turkey	6 (1.0)	▼
Georgia	6 (1.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	37 (1.8)	▲
Florida, US	36 (3.3)	▲
Dubai, UAE	30 (2.1)	
Norway (4)	28 (2.3)	
Abu Dhabi, UAE	20 (1.7)	▼
Quebec, Canada	18 (2.8)	▼
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**

**S03\_10 (S051105): Water on sidewalk**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	96 (1.0)	▲
Chinese Taipei	95 (1.0)	▲
Bulgaria	90 (1.3)	▲
Japan	88 (1.6)	▲
Hong Kong SAR	88 (2.4)	▲
Singapore	87 (1.3)	▲
Spain	87 (1.5)	▲
Slovak Republic	86 (1.6)	▲
Poland	86 (1.9)	▲
Finland	86 (1.7)	▲
United States	84 (1.1)	▲
Russian Federation	83 (1.9)	▲
Belgium (Flemish)	81 (1.6)	▲
Croatia	79 (2.2)	▲
Ireland	77 (2.3)	▲
Slovenia	77 (2.2)	▲
Sweden	75 (2.0)	▲
Portugal	74 (2.1)	
Kazakhstan	73 (2.2)	
Australia	73 (2.0)	
Northern Ireland	72 (2.6)	
New Zealand	72 (1.8)	
France	71 (2.2)	
<b>International Avg.</b>	<b>70 (0.3)</b>	
Turkey	70 (2.0)	
Canada	69 (1.2)	
Serbia	69 (2.7)	
England	68 (2.0)	
United Arab Emirates	67 (1.2)	▼
Bahrain	67 (2.3)	
Oman	66 (1.8)	▼
Qatar	64 (2.1)	▼
Saudi Arabia	62 (1.9)	▼
Norway (5)	62 (2.4)	▼
Georgia	62 (2.2)	▼
Hungary	62 (2.0)	▼
Germany	62 (2.0)	▼
Czech Republic	61 (2.2)	▼
Netherlands	61 (2.5)	▼
Kuwait	54 (2.6)	▼
Indonesia	54 (2.5)	▼
Lithuania	54 (2.2)	▼
Morocco	52 (2.6)	▼
Italy	51 (1.8)	▼
Denmark	50 (1.9)	▼
Cyprus	47 (2.1)	▼
Iran, Islamic Rep. of	46 (2.9)	▼
Chile	40 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	82 (2.2)	▲
Dubai, UAE	76 (1.2)	▲
Ontario, Canada	74 (1.8)	
Quebec, Canada	61 (3.2)	▼
Abu Dhabi, UAE	59 (2.5)	▼
Norway (4)	47 (2.3)	▼
Buenos Aires, Argentina	36 (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**

**S03\_11 (S051110): What shellfish tell scientists**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	90 (1.4)	▲
Russian Federation	81 (2.1)	▲
Croatia	80 (1.8)	▲
Kazakhstan	76 (2.3)	▲
Poland	75 (2.1)	▲
Hungary	75 (2.1)	▲
Italy	74 (2.1)	▲
Korea, Rep. of	73 (1.9)	▲
Northern Ireland	72 (2.1)	▲
Czech Republic	71 (2.0)	▲
Bulgaria	69 (2.5)	▲
Spain	68 (2.0)	▲
Finland	68 (2.1)	▲
Ireland	67 (2.4)	▲
England	67 (1.8)	▲
Singapore	66 (1.8)	▲
Sweden	66 (2.3)	▲
Australia	66 (1.9)	▲
Norway (5)	65 (2.2)	▲
Hong Kong SAR	65 (2.3)	▲
Slovenia	63 (2.3)	
United States	63 (1.4)	▲
Denmark	62 (2.1)	
New Zealand	62 (1.8)	
Slovak Republic	61 (2.1)	
<b>International Avg.</b>	<b>59 (0.3)</b>	
Lithuania	59 (2.6)	
Georgia	59 (2.4)	
Canada	58 (1.4)	
Turkey	56 (1.8)	
Germany	56 (2.2)	
Netherlands	55 (2.4)	
Portugal	55 (1.9)	▼
Iran, Islamic Rep. of	54 (2.8)	
Chinese Taipei	53 (2.1)	▼
Chile	51 (2.5)	▼
Serbia	49 (2.4)	▼
Cyprus	49 (2.1)	▼
Bahrain	48 (2.3)	▼
France	45 (2.0)	▼
Qatar	44 (2.1)	▼
Belgium (Flemish)	44 (2.0)	▼
United Arab Emirates	43 (1.3)	▼
Indonesia	40 (2.0)	▼
Oman	39 (1.5)	▼
Morocco	33 (2.6)	▼
Saudi Arabia	28 (1.9)	▼
Kuwait	25 (1.7)	▼
<b>Benchmarking Participants</b>		
Florida, US	62 (2.9)	
Ontario, Canada	59 (1.8)	
Norway (4)	58 (2.3)	
Dubai, UAE	54 (1.6)	▼
Quebec, Canada	53 (3.5)	
Buenos Aires, Argentina	42 (2.4)	▼
Abu Dhabi, UAE	37 (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**

**S03\_12 (S051111): Shadow of tree at different times**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	85 (1.7)	▲
Chinese Taipei	83 (1.6)	▲
Japan	82 (1.6)	▲
Kazakhstan	81 (2.1)	▲
Hong Kong SAR	80 (2.2)	▲
Singapore	79 (1.5)	▲
Finland	77 (1.9)	▲
Norway (5)	75 (2.0)	▲
Croatia	74 (2.2)	▲
Poland	73 (2.0)	▲
Sweden	71 (2.0)	▲
Italy	70 (2.6)	▲
Australia	70 (2.3)	▲
England	68 (2.0)	▲
Denmark	67 (1.8)	▲
Bulgaria	67 (2.8)	
Portugal	66 (2.4)	
Hungary	66 (2.3)	
Northern Ireland	65 (2.7)	
Ireland	65 (3.1)	
Russian Federation	65 (2.0)	
Serbia	64 (2.5)	
Lithuania	64 (2.2)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
New Zealand	63 (1.7)	
Belgium (Flemish)	62 (1.8)	
United States	62 (1.4)	
Czech Republic	61 (2.2)	
Slovenia	61 (2.3)	
Netherlands	61 (2.4)	
France	59 (2.1)	
Germany	59 (2.0)	▼
Chile	58 (2.5)	
Canada	58 (1.5)	▼
Cyprus	57 (2.2)	▼
Slovak Republic	56 (2.1)	▼
United Arab Emirates	56 (1.1)	▼
Georgia	55 (2.5)	▼
Spain	55 (2.0)	▼
Turkey	54 (1.7)	▼
Oman	54 (1.9)	▼
Indonesia	53 (2.5)	▼
Bahrain	52 (2.1)	▼
Iran, Islamic Rep. of	45 (3.0)	▼
Qatar	44 (1.8)	▼
Morocco	41 (2.2)	▼
Saudi Arabia	38 (2.1)	▼
Kuwait	37 (2.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	64 (2.0)	
Norway (4)	58 (2.3)	▼
Ontario, Canada	58 (1.9)	▼
Florida, US	56 (2.9)	▼
Quebec, Canada	55 (3.6)	▼
Abu Dhabi, UAE	51 (2.0)	▼
Buenos Aires, Argentina	49 (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**

**S04\_01 (S061135): Milk important for balanced diet**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	93 (1.1)	▲
Finland	93 (1.2)	▲
Ireland	92 (1.4)	▲
England	92 (1.3)	▲
Japan	91 (1.1)	▲
Northern Ireland	91 (1.5)	▲
Singapore	90 (1.1)	▲
Italy	89 (1.2)	▲
Portugal	88 (1.4)	▲
Sweden	88 (1.5)	▲
Poland	86 (1.4)	▲
Canada	86 (1.0)	▲
Spain	86 (1.5)	▲
Denmark	85 (1.6)	▲
Australia	85 (1.5)	▲
New Zealand	84 (1.5)	▲
France	84 (1.6)	▲
Turkey	83 (1.3)	▲
Slovak Republic	82 (1.9)	▲
United States	82 (1.1)	▲
Chinese Taipei	82 (1.7)	▲
Lithuania	81 (2.0)	▲
Chile	79 (1.9)	
Czech Republic	79 (1.9)	
Bulgaria	78 (2.5)	
Netherlands	77 (2.1)	
International Avg.	76 (0.3)	
Hong Kong SAR	74 (2.0)	
Serbia	74 (2.4)	
Russian Federation	73 (1.7)	
Belgium (Flemish)	73 (1.7)	▼
Croatia	73 (2.0)	
Cyprus	69 (1.8)	▼
Bahrain	68 (2.1)	▼
Slovenia	68 (2.2)	▼
United Arab Emirates	68 (1.2)	▼
Hungary	67 (2.2)	▼
Oman	67 (1.4)	▼
Kazakhstan	66 (1.8)	▼
Norway (5)	66 (2.2)	▼
Germany	65 (2.0)	▼
Georgia	62 (2.1)	▼
Iran, Islamic Rep. of	60 (3.0)	▼
Qatar	60 (2.2)	▼
Morocco	59 (2.3)	▼
Saudi Arabia	53 (2.1)	▼
Indonesia	52 (2.6)	▼
Kuwait	45 (2.4)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	89 (1.4)	▲
Florida, US	83 (1.9)	▲
Quebec, Canada	82 (2.6)	▲
Dubai, UAE	79 (1.7)	
Buenos Aires, Argentina	66 (2.5)	▼
Abu Dhabi, UAE	63 (2.4)	▼
Norway (4)	49 (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**

**S04\_02 (S061069): Plants make their own food**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	82 (1.6)	▲
Singapore	73 (1.7)	▲
Kazakhstan	72 (2.4)	▲
Spain	72 (1.4)	▲
United States	71 (1.3)	▲
Japan	71 (1.8)	▲
Norway (5)	70 (2.1)	▲
Bahrain	70 (2.1)	▲
Canada	69 (1.5)	▲
England	68 (2.1)	▲
Finland	68 (2.1)	▲
Ireland	67 (2.4)	▲
Cyprus	65 (1.9)	▲
New Zealand	63 (2.0)	▲
Russian Federation	61 (1.9)	▲
Lithuania	61 (2.4)	
Australia	60 (2.4)	
Oman	60 (1.7)	▲
United Arab Emirates	60 (1.3)	▲
Turkey	60 (2.1)	
Italy	59 (2.5)	
Poland	59 (2.2)	
Denmark	59 (2.6)	
Qatar	58 (1.7)	
Sweden	58 (2.7)	
Hong Kong SAR	58 (3.0)	
Hungary	58 (2.2)	
Germany	57 (2.0)	
Kuwait	56 (2.5)	
<b>International Avg.</b>	<b>56 (0.3)</b>	
Bulgaria	55 (2.7)	
Croatia	54 (2.9)	
Saudi Arabia	54 (2.2)	
Slovak Republic	53 (2.2)	
Northern Ireland	50 (2.7)	▼
Netherlands	50 (3.3)	▼
Czech Republic	50 (2.3)	▼
Chinese Taipei	49 (2.0)	▼
Slovenia	47 (2.4)	▼
Belgium (Flemish)	46 (2.0)	▼
France	41 (2.4)	▼
Serbia	40 (2.5)	▼
Iran, Islamic Rep. of	37 (3.1)	▼
Georgia	33 (2.5)	▼
Portugal	33 (2.3)	▼
Morocco	32 (2.1)	▼
Indonesia	25 (2.2)	▼
Chile	25 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	78 (2.3)	▲
Ontario, Canada	75 (2.0)	▲
Dubai, UAE	71 (1.5)	▲
Quebec, Canada	68 (2.5)	▲
Norway (4)	59 (2.1)	
Abu Dhabi, UAE	51 (2.5)	▼
Buenos Aires, Argentina	45 (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**

**S04\_03 (S061134): Lions panting on hot days**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Finland	78 (1.7)	▲
Hong Kong SAR	77 (2.3)	▲
Netherlands	74 (2.1)	▲
Norway (5)	72 (2.2)	▲
Russian Federation	71 (1.8)	▲
Northern Ireland	69 (2.3)	▲
Ireland	69 (2.2)	▲
Poland	68 (2.3)	▲
United States	68 (1.5)	▲
Singapore	68 (1.7)	▲
Belgium (Flemish)	67 (1.8)	▲
Sweden	66 (2.4)	▲
Hungary	65 (2.0)	▲
Australia	65 (2.4)	▲
Serbia	64 (2.3)	▲
Slovak Republic	64 (2.0)	▲
England	63 (2.1)	▲
Czech Republic	63 (2.2)	▲
Canada	62 (1.7)	▲
Japan	61 (2.1)	▲
Germany	60 (2.2)	▲
Croatia	60 (2.6)	▲
Chinese Taipei	59 (2.0)	▲
Lithuania	59 (2.2)	▲
Slovenia	58 (2.0)	▲
New Zealand	57 (2.3)	▲
Denmark	57 (2.2)	▲
Korea, Rep. of	57 (2.4)	
Kazakhstan	57 (2.3)	
Bulgaria	56 (2.8)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
Portugal	49 (1.8)	▼
France	48 (2.5)	
Spain	43 (1.8)	▼
Georgia	41 (2.4)	▼
Iran, Islamic Rep. of	37 (2.7)	▼
United Arab Emirates	37 (1.1)	▼
Turkey	36 (1.7)	▼
Cyprus	36 (2.4)	▼
Oman	36 (1.8)	▼
Bahrain	32 (2.5)	▼
Qatar	31 (1.8)	▼
Italy	27 (2.6)	▼
Chile	26 (2.0)	▼
Saudi Arabia	21 (2.0)	▼
Morocco	21 (1.8)	▼
Kuwait	18 (2.0)	▼
Indonesia	16 (2.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	65 (2.3)	▲
Florida, US	61 (3.0)	▲
Norway (4)	60 (2.7)	▲
Quebec, Canada	50 (3.5)	
Dubai, UAE	49 (1.9)	▼
Abu Dhabi, UAE	32 (1.9)	▼
Buenos Aires, Argentina	26 (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**

**S04\_04 (S061140): Grasshopper and butterfly cycles**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	91 (1.1)	▲
Korea, Rep. of	81 (1.6)	▲
Chinese Taipei	75 (1.8)	▲
Japan	75 (1.8)	▲
Finland	74 (2.2)	▲
Slovak Republic	71 (1.9)	▲
Norway (5)	69 (2.2)	▲
Hong Kong SAR	67 (2.8)	▲
Denmark	65 (2.4)	▲
Czech Republic	64 (2.2)	▲
Slovenia	63 (2.1)	▲
Poland	63 (2.4)	▲
Kazakhstan	62 (2.3)	▲
Georgia	61 (2.8)	▲
Sweden	61 (2.4)	▲
United States	60 (1.5)	▲
Hungary	59 (2.2)	▲
Russian Federation	58 (2.0)	
Germany	58 (1.9)	
Bulgaria	57 (2.7)	
Croatia	56 (2.0)	
Serbia	55 (3.3)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Netherlands	54 (2.4)	
United Arab Emirates	53 (1.4)	
Italy	52 (2.4)	
Belgium (Flemish)	49 (2.1)	▼
New Zealand	49 (2.2)	▼
Australia	49 (2.7)	▼
Canada	48 (1.6)	▼
Lithuania	48 (2.1)	▼
Ireland	47 (2.6)	▼
Qatar	47 (2.3)	▼
England	46 (2.4)	▼
Oman	45 (1.4)	▼
Indonesia	44 (2.7)	▼
Cyprus	44 (2.0)	▼
Saudi Arabia	43 (1.9)	▼
Bahrain	43 (2.2)	▼
France	43 (2.1)	▼
Northern Ireland	42 (2.8)	▼
Spain	42 (2.6)	▼
Chile	39 (1.9)	▼
Morocco	39 (2.7)	▼
Portugal	39 (2.4)	▼
Iran, Islamic Rep. of	38 (2.7)	▼
Turkey	37 (2.0)	▼
Kuwait	31 (2.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	66 (3.8)	▲
Dubai, UAE	62 (2.0)	▲
Norway (4)	54 (2.7)	
Abu Dhabi, UAE	53 (2.4)	
Ontario, Canada	51 (2.4)	
Quebec, Canada	45 (3.2)	▼
Buenos Aires, Argentina	29 (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**

**S04\_05 (S061019): Hawks and mice in a field**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	53 (2.0)	▲
Kazakhstan	47 (2.4)	▲
United States	46 (1.5)	▲
Russian Federation	43 (2.2)	▲
Hungary	42 (2.0)	▲
Croatia	40 (2.5)	▲
Lithuania	39 (2.5)	▲
Sweden	39 (2.6)	▲
Singapore	38 (2.1)	▲
Norway (5)	35 (2.0)	▲
Czech Republic	34 (1.8)	▲
Serbia	33 (2.3)	▲
Finland	32 (2.3)	▲
Italy	32 (2.0)	▲
Korea, Rep. of	32 (2.1)	▲
Australia	32 (2.1)	▲
Spain	31 (2.0)	▲
Bulgaria	31 (3.1)	
Ireland	30 (2.6)	
Poland	30 (2.2)	
New Zealand	30 (1.9)	
Denmark	30 (2.4)	
Germany	29 (2.0)	
Slovak Republic	28 (2.0)	
Canada	28 (1.4)	
England	28 (1.9)	
International Avg.	27 (0.3)	
Slovenia	25 (2.0)	
Chile	25 (1.7)	
Bahrain	25 (2.6)	
Oman	25 (1.3)	
Portugal	24 (2.2)	
Turkey	23 (1.9)	▼
Northern Ireland	22 (2.4)	▼
Indonesia	21 (1.6)	▼
United Arab Emirates	18 (1.1)	▼
Qatar	17 (2.0)	▼
Netherlands	17 (1.5)	▼
Georgia	16 (1.8)	▼
Chinese Taipei	14 (1.6)	▼
Belgium (Flemish)	14 (1.5)	▼
Morocco	13 (1.6)	▼
France	12 (1.4)	▼
Cyprus	12 (1.4)	▼
Hong Kong SAR	12 (1.4)	▼
Iran, Islamic Rep. of	11 (1.7)	▼
Saudi Arabia	9 (1.3)	▼
Kuwait	5 (1.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	46 (2.4)	▲
Ontario, Canada	31 (2.2)	
Quebec, Canada	27 (2.6)	
Dubai, UAE	27 (1.7)	
Norway (4)	24 (2.4)	
Abu Dhabi, UAE	15 (1.7)	▼
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**

**S04\_06 (S061022): Laura has the flu**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Norway (5)	88 (1.4)	▲
United States	86 (0.9)	▲
Chinese Taipei	83 (1.7)	▲
Canada	82 (1.7)	▲
Finland	82 (2.0)	▲
Hong Kong SAR	80 (1.8)	▲
Korea, Rep. of	79 (1.9)	▲
Sweden	78 (2.1)	▲
Ireland	77 (1.8)	▲
New Zealand	76 (1.6)	▲
France	74 (2.0)	▲
England	74 (2.0)	▲
Denmark	72 (2.0)	▲
Germany	71 (1.9)	▲
Australia	70 (2.7)	▲
Northern Ireland	70 (2.7)	▲
Japan	67 (1.8)	▲
Lithuania	67 (2.3)	▲
Hungary	66 (2.7)	▲
Singapore	66 (1.9)	▲
Belgium (Flemish)	63 (2.1)	▲
Portugal	60 (2.0)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Bulgaria	58 (2.6)	
Netherlands	56 (2.9)	
United Arab Emirates	55 (1.1)	▼
Slovenia	54 (2.4)	
Czech Republic	52 (2.3)	▼
Turkey	51 (2.3)	▼
Chile	49 (2.1)	▼
Qatar	49 (2.2)	▼
Saudi Arabia	48 (2.1)	▼
Cyprus	48 (2.5)	▼
Poland	47 (2.5)	▼
Serbia	47 (2.9)	▼
Russian Federation	46 (2.3)	▼
Italy	46 (2.5)	▼
Slovak Republic	46 (2.4)	▼
Bahrain	46 (2.5)	▼
Spain	45 (2.7)	▼
Kazakhstan	41 (2.8)	▼
Kuwait	38 (2.4)	▼
Morocco	38 (2.5)	▼
Croatia	37 (2.5)	▼
Oman	33 (1.6)	▼
Georgia	31 (2.3)	▼
Indonesia	27 (2.1)	▼
Iran, Islamic Rep. of	26 (2.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	86 (2.1)	▲
Florida, US	84 (1.7)	▲
Ontario, Canada	81 (1.9)	▲
Norway (4)	74 (2.0)	▲
Dubai, UAE	66 (1.9)	▲
Buenos Aires, Argentina	58 (2.8)	
Abu Dhabi, UAE	52 (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**

**S04\_07 (S061036): Melting butter at end of spoon**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	82 (1.6)	▲
Japan	61 (2.1)	▲
Kazakhstan	59 (2.5)	▲
Hong Kong SAR	46 (2.7)	▲
Chinese Taipei	43 (2.2)	▲
Finland	40 (2.4)	▲
Korea, Rep. of	38 (2.1)	▲
Lithuania	38 (3.0)	▲
Russian Federation	37 (2.0)	▲
Poland	35 (2.2)	▲
Sweden	35 (2.0)	▲
Serbia	33 (2.9)	
Croatia	31 (2.4)	
Norway (5)	30 (2.1)	
Denmark	30 (2.0)	
Spain	28 (2.2)	
Turkey	28 (1.6)	
<b>International Avg.</b>	<b>28 (0.3)</b>	
Bahrain	28 (3.2)	
Morocco	28 (2.2)	
Australia	27 (2.0)	
Czech Republic	27 (2.1)	
Slovenia	27 (2.0)	
United States	27 (1.6)	
Canada	26 (1.5)	
Bulgaria	26 (2.2)	
Hungary	26 (1.9)	
Germany	26 (2.1)	
Slovak Republic	22 (2.0)	▼
Netherlands	22 (1.8)	▼
Ireland	21 (2.0)	▼
New Zealand	21 (1.9)	▼
Chile	20 (2.0)	▼
Qatar	20 (1.6)	▼
Northern Ireland	20 (2.0)	▼
Indonesia	19 (2.0)	▼
Belgium (Flemish)	19 (1.6)	▼
Italy	19 (1.5)	▼
Oman	18 (1.4)	▼
Cyprus	18 (1.4)	▼
England	18 (1.7)	▼
United Arab Emirates	17 (0.9)	▼
Georgia	16 (1.5)	▼
Iran, Islamic Rep. of	15 (2.0)	▼
Portugal	14 (1.4)	▼
Saudi Arabia	14 (1.7)	▼
France	13 (1.6)	▼
Kuwait	11 (1.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	32 (2.8)	
Ontario, Canada	29 (2.0)	
Dubai, UAE	28 (1.1)	
Quebec, Canada	22 (2.9)	▼
Norway (4)	16 (1.8)	▼
Buenos Aires, Argentina	15 (1.9)	▼
Abu Dhabi, UAE	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**

**S04\_08 (S061160): State of matter of items**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	93 (0.9)	▲
Korea, Rep. of	90 (1.4)	▲
England	90 (1.3)	▲
Croatia	87 (1.7)	▲
Hong Kong SAR	86 (1.5)	▲
Italy	86 (1.4)	▲
Northern Ireland	86 (1.9)	▲
United States	86 (1.0)	▲
Ireland	85 (1.8)	▲
Canada	83 (1.4)	▲
Portugal	83 (1.8)	▲
Chinese Taipei	82 (1.6)	▲
Hungary	82 (1.7)	▲
Bulgaria	82 (2.3)	▲
Kazakhstan	82 (2.1)	▲
Cyprus	81 (1.7)	▲
Bahrain	81 (1.6)	▲
Spain	81 (2.3)	▲
Slovenia	81 (2.0)	▲
Russian Federation	79 (1.7)	▲
Poland	79 (2.1)	▲
Australia	79 (1.9)	▲
Finland	78 (1.8)	▲
Slovak Republic	77 (1.6)	▲
Sweden	77 (2.4)	
Germany	75 (2.1)	
France	75 (2.1)	
Czech Republic	74 (1.9)	
Norway (5)	73 (2.0)	
<b>International Avg.</b>	<b>73 (0.3)</b>	
Japan	73 (1.9)	
Serbia	72 (2.5)	
Turkey	72 (1.9)	
United Arab Emirates	72 (1.4)	
New Zealand	72 (1.9)	
Qatar	70 (2.0)	
Lithuania	69 (2.5)	
Chile	65 (2.3)	▼
Oman	62 (1.5)	▼
Denmark	61 (2.3)	▼
Saudi Arabia	56 (2.1)	▼
Iran, Islamic Rep. of	55 (3.8)	▼
Indonesia	50 (2.6)	▼
Georgia	49 (2.6)	▼
Kuwait	48 (2.7)	▼
Morocco	48 (2.3)	▼
Belgium (Flemish)	35 (2.2)	▼
Netherlands	31 (2.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	89 (1.6)	▲
Quebec, Canada	86 (2.5)	▲
Dubai, UAE	85 (1.2)	▲
Ontario, Canada	85 (1.7)	▲
Abu Dhabi, UAE	63 (2.9)	▼
Buenos Aires, Argentina	57 (2.5)	▼
Norway (4)	47 (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**

**S04\_09 (S061159): Which wagon requires more force**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	92 (1.1)	▲
Korea, Rep. of	88 (1.6)	▲
Chinese Taipei	85 (1.9)	▲
Croatia	85 (1.6)	▲
Singapore	84 (1.4)	▲
Italy	84 (1.9)	▲
Germany	82 (1.6)	▲
Finland	82 (1.7)	▲
Hong Kong SAR	82 (2.1)	▲
Belgium (Flemish)	82 (1.5)	▲
Sweden	82 (1.9)	▲
Spain	82 (1.6)	▲
Norway (5)	81 (1.7)	▲
Slovenia	81 (2.0)	▲
England	81 (2.2)	▲
United States	80 (1.2)	▲
Portugal	79 (1.6)	▲
Russian Federation	79 (2.2)	▲
Ireland	79 (2.0)	▲
Poland	78 (2.1)	▲
Cyprus	77 (1.7)	▲
Kazakhstan	77 (2.4)	▲
Lithuania	77 (2.1)	▲
Australia	76 (1.9)	▲
Hungary	76 (1.8)	▲
Serbia	75 (3.0)	
Canada	75 (1.5)	▲
France	75 (1.9)	
Slovak Republic	74 (1.6)	▲
Czech Republic	73 (2.1)	
Netherlands	72 (2.4)	
<b>International Avg.</b>	<b>71 (0.3)</b>	
Northern Ireland	70 (2.4)	
Chile	70 (1.9)	
New Zealand	67 (1.7)	▼
Denmark	67 (2.2)	
Turkey	66 (2.0)	▼
Iran, Islamic Rep. of	62 (3.2)	▼
Bulgaria	62 (2.8)	▼
Bahrain	61 (2.4)	▼
Georgia	58 (2.8)	▼
Oman	51 (1.6)	▼
United Arab Emirates	51 (1.4)	▼
Qatar	46 (2.3)	▼
Indonesia	44 (2.7)	▼
Morocco	32 (2.0)	▼
Saudi Arabia	30 (1.8)	▼
Kuwait	22 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.4)	▲
Florida, US	78 (1.8)	▲
Ontario, Canada	74 (1.9)	
Norway (4)	68 (2.5)	
Dubai, UAE	67 (1.4)	▼
Buenos Aires, Argentina	55 (2.7)	▼
Abu Dhabi, UAE	41 (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**

**S04\_10 (S061091): Energy in a closed circuit**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	46 (2.1) ▲	67 (1.9) ▲
Bulgaria	36 (2.9) ▲	50 (2.4) ▲
Turkey	31 (1.8) ▲	48 (2.0) ▲
Indonesia	30 (2.5) ▲	47 (2.7) ▲
Hong Kong SAR	27 (2.2) ▲	55 (2.6) ▲
Lithuania	23 (2.0) ▲	51 (2.4) ▲
Chinese Taipei	23 (1.7) ▲	46 (2.4) ▲
Korea, Rep. of	22 (1.9) ▲	53 (2.1) ▲
Bahrain	22 (1.6) ▲	41 (2.0)
United States	22 (1.3) ▲	45 (1.5) ▲
Italy	21 (1.8) ▲	52 (2.4) ▲
United Arab Emirates	21 (1.3) ▲	39 (1.3)
Kazakhstan	20 (2.2) ▲	49 (2.4) ▲
Canada	19 (1.2) ▲	45 (1.5) ▲
Spain	19 (1.7)	39 (2.5)
Slovak Republic	18 (1.8)	36 (2.4)
Russian Federation	18 (1.7)	44 (2.9)
Finland	17 (1.9)	38 (2.3)
Saudi Arabia	16 (1.7)	41 (2.0)
Australia	16 (1.7)	43 (2.3) ▲
<b>International Avg.</b>	<b>16 (0.2)</b>	<b>39 (0.3)</b>
Iran, Islamic Rep. of	16 (2.5)	23 (3.1) ▼
Japan	15 (1.4)	65 (2.0) ▲
New Zealand	14 (1.3)	40 (2.1)
Denmark	14 (1.8)	35 (2.5)
Ireland	14 (1.9)	45 (2.5) ▲
Northern Ireland	13 (2.0)	46 (2.5) ▲
England	13 (1.5)	40 (2.1)
Georgia	13 (2.1)	32 (2.7) ▼
Belgium (Flemish)	12 (1.4) ▼	25 (1.8) ▼
Norway (5)	12 (1.7) ▼	43 (2.6)
Oman	12 (1.0) ▼	21 (1.4) ▼
France	11 (1.1) ▼	31 (2.2) ▼
Qatar	11 (1.5) ▼	31 (2.5) ▼
Czech Republic	10 (1.3) ▼	38 (2.1)
Poland	10 (1.5) ▼	31 (2.0) ▼
Croatia	10 (1.6) ▼	39 (2.5)
Netherlands	10 (1.4) ▼	32 (2.2) ▼
Serbia	9 (1.4) ▼	22 (1.8) ▼
Kuwait	9 (1.6) ▼	18 (1.8) ▼
Germany	9 (1.3) ▼	31 (2.3) ▼
Sweden	8 (1.4) ▼	38 (2.3)
Cyprus	8 (1.2) ▼	22 (1.8) ▼
Portugal	7 (0.9) ▼	23 (1.9) ▼
Hungary	7 (1.1) ▼	32 (2.4) ▼
Slovenia	7 (1.2) ▼	33 (2.4) ▼
Morocco	6 (1.4) ▼	23 (2.1) ▼
Chile	4 (0.8) ▼	23 (1.8) ▼
<b>Benchmarking Participants</b>		
Florida, US	41 (3.8) ▲	61 (3.6) ▲
Dubai, UAE	30 (1.9) ▲	50 (1.7) ▲
Ontario, Canada	23 (1.9) ▲	51 (2.0) ▲
Abu Dhabi, UAE	17 (2.3)	35 (2.4)
Quebec, Canada	16 (2.6)	42 (3.8)
Norway (4)	8 (1.0) ▼	32 (2.3) ▼
Buenos Aires, Argentina	5 (1.1) ▼	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**

**S04\_11 (S061118): Sun, Earth, Moon in space**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Russian Federation	81 (1.5)	▲
Kazakhstan	68 (2.1)	▲
Portugal	68 (2.3)	▲
Norway (5)	67 (2.3)	▲
Spain	64 (2.1)	▲
Korea, Rep. of	64 (2.1)	▲
Sweden	63 (2.5)	▲
Bulgaria	63 (2.5)	▲
Lithuania	61 (2.1)	▲
Czech Republic	59 (2.1)	▲
United States	59 (1.5)	▲
England	58 (2.6)	▲
Poland	57 (2.3)	▲
Finland	56 (2.3)	▲
United Arab Emirates	56 (1.6)	▲
Slovenia	56 (2.2)	▲
Hong Kong SAR	53 (2.7)	
Turkey	53 (2.2)	
Slovak Republic	52 (2.1)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Hungary	49 (2.1)	
Bahrain	48 (1.9)	
Chinese Taipei	48 (1.9)	
Ireland	48 (2.0)	
Oman	47 (1.7)	
Netherlands	46 (2.6)	
Germany	46 (1.8)	▼
Serbia	46 (2.8)	
Australia	46 (2.5)	
Denmark	45 (2.5)	
Cyprus	45 (2.1)	▼
Canada	45 (1.7)	▼
Singapore	44 (2.0)	▼
Italy	44 (2.3)	▼
Japan	43 (2.1)	▼
Croatia	42 (2.6)	▼
New Zealand	42 (2.3)	▼
Northern Ireland	42 (2.4)	▼
France	41 (2.4)	▼
Iran, Islamic Rep. of	41 (2.9)	▼
Qatar	40 (2.2)	▼
Chile	40 (2.4)	▼
Indonesia	40 (2.5)	▼
Morocco	37 (2.6)	▼
Belgium (Flemish)	33 (2.2)	▼
Georgia	32 (2.6)	▼
Saudi Arabia	28 (2.1)	▼
Kuwait	24 (2.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	69 (3.4)	▲
Dubai, UAE	66 (1.6)	▲
Abu Dhabi, UAE	55 (3.1)	
Quebec, Canada	53 (3.5)	
Norway (4)	53 (2.5)	
Ontario, Canada	43 (1.8)	▼
Buenos Aires, Argentina	28 (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**

**S04\_12 (S061097): Natural desert rock formation**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	77 (1.9)	▲
Finland	72 (2.0)	▲
Kazakhstan	68 (2.3)	▲
Denmark	68 (2.0)	▲
Norway (5)	67 (2.1)	▲
Sweden	67 (2.2)	▲
Russian Federation	66 (1.7)	▲
Chinese Taipei	66 (2.1)	▲
Poland	66 (1.8)	▲
Italy	65 (2.2)	▲
Japan	64 (2.2)	▲
Australia	63 (2.4)	▲
Bulgaria	63 (2.5)	▲
United States	62 (1.5)	▲
Turkey	60 (2.0)	▲
Northern Ireland	59 (2.9)	
Hong Kong SAR	59 (3.3)	
England	59 (2.1)	
Slovak Republic	58 (2.0)	
Netherlands	58 (2.2)	
Ireland	57 (2.6)	
Canada	57 (1.8)	
Slovenia	57 (2.5)	
Lithuania	57 (2.6)	
Czech Republic	56 (2.2)	
Hungary	56 (2.3)	
Croatia	56 (2.6)	
Germany	56 (2.2)	
<b>International Avg.</b>	<b>55 (0.3)</b>	
New Zealand	55 (1.8)	
Chile	52 (1.9)	
Belgium (Flemish)	52 (2.0)	
Portugal	52 (2.3)	
Oman	52 (1.5)	▼
Georgia	51 (2.6)	
Cyprus	50 (1.9)	▼
Singapore	48 (1.9)	▼
Iran, Islamic Rep. of	47 (3.8)	▼
Serbia	45 (2.1)	▼
Spain	45 (2.7)	▼
Saudi Arabia	44 (2.3)	▼
United Arab Emirates	41 (1.5)	▼
France	40 (2.2)	▼
Bahrain	38 (2.0)	▼
Indonesia	38 (2.3)	▼
Qatar	35 (1.9)	▼
Morocco	34 (2.6)	▼
Kuwait	30 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	67 (2.4)	▲
Ontario, Canada	61 (1.9)	▲
Quebec, Canada	53 (3.2)	
Norway (4)	50 (2.6)	
Dubai, UAE	50 (1.7)	▼
Abu Dhabi, UAE	39 (2.5)	▼
Buenos Aires, Argentina	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**

**S05\_01 (S041009): Organ digestion takes place**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Russian Federation	99 (0.3)	▲
Kazakhstan	97 (0.6)	▲
Chinese Taipei	97 (0.7)	▲
Slovenia	97 (0.7)	▲
Portugal	97 (0.8)	▲
Hong Kong SAR	96 (1.2)	▲
Poland	96 (0.9)	▲
Hungary	95 (1.1)	▲
Singapore	95 (0.9)	▲
Czech Republic	95 (0.9)	▲
Germany	95 (1.0)	▲
Bulgaria	94 (1.1)	▲
Italy	94 (1.1)	▲
Georgia	93 (1.3)	▲
Lithuania	93 (1.4)	▲
Slovak Republic	93 (1.2)	▲
Finland	93 (1.2)	▲
Spain	91 (1.4)	▲
Croatia	89 (1.5)	▲
Korea, Rep. of	87 (1.3)	▲
France	86 (1.5)	▲
Serbia	85 (2.7)	▲
Cyprus	84 (1.8)	▲
Japan	82 (1.5)	▲
Denmark	79 (1.7)	
<b>International Avg.</b>	<b>79 (0.3)</b>	
England	77 (1.8)	
Ireland	76 (2.2)	
Canada	73 (1.5)	▼
Sweden	72 (2.3)	▼
Oman	72 (1.7)	▼
United States	72 (1.1)	▼
Northern Ireland	71 (2.5)	▼
Netherlands	70 (2.2)	▼
Qatar	69 (1.8)	▼
Australia	68 (2.6)	▼
Turkey	68 (2.2)	▼
Chile	66 (2.1)	▼
Norway (5)	62 (2.2)	▼
Bahrain	62 (2.1)	▼
Belgium (Flemish)	62 (2.3)	▼
United Arab Emirates	62 (1.4)	▼
New Zealand	61 (2.0)	▼
Kuwait	60 (3.0)	▼
Saudi Arabia	59 (2.2)	▼
Morocco	53 (2.3)	▼
Indonesia	34 (2.6)	▼
Iran, Islamic Rep. of	24 (2.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	86 (2.1)	▲
Florida, US	80 (2.9)	
Buenos Aires, Argentina	73 (2.7)	▼
Dubai, UAE	72 (1.6)	▼
Ontario, Canada	71 (2.3)	▼
Norway (4)	57 (2.2)	▼
Abu Dhabi, UAE	51 (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**

**S05\_02 (S041223): Function of part X of a plant**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	82 (1.6)	▲
Russian Federation	81 (1.8)	▲
Norway (5)	77 (2.0)	▲
Slovenia	75 (1.9)	▲
Hungary	74 (2.0)	▲
Korea, Rep. of	74 (2.1)	▲
Kazakhstan	73 (2.3)	▲
Czech Republic	72 (1.9)	▲
Japan	67 (2.1)	▲
Serbia	65 (2.4)	▲
Finland	65 (2.0)	▲
Bulgaria	64 (3.0)	▲
Georgia	64 (2.4)	▲
Poland	64 (2.3)	▲
Lithuania	64 (2.0)	▲
Chinese Taipei	63 (2.1)	▲
Sweden	63 (2.4)	▲
Germany	61 (2.3)	
Denmark	61 (2.3)	
United States	61 (1.3)	▲
Netherlands	60 (1.9)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
England	57 (2.3)	
Belgium (Flemish)	57 (1.8)	
Croatia	57 (2.5)	
Australia	57 (2.2)	
Canada	56 (1.8)	
Slovak Republic	56 (2.2)	
Oman	55 (1.6)	
Hong Kong SAR	54 (2.6)	
Italy	54 (2.7)	
Spain	53 (2.1)	▼
New Zealand	53 (1.9)	▼
United Arab Emirates	52 (1.4)	▼
Bahrain	51 (3.2)	▼
Indonesia	51 (2.4)	▼
Qatar	50 (2.7)	▼
Turkey	50 (1.9)	▼
Portugal	49 (1.9)	▼
Ireland	48 (2.1)	▼
Northern Ireland	48 (3.2)	▼
Chile	48 (2.3)	▼
France	45 (2.2)	▼
Cyprus	41 (1.9)	▼
Morocco	39 (2.4)	▼
Saudi Arabia	36 (2.2)	▼
Iran, Islamic Rep. of	34 (2.4)	▼
Kuwait	31 (2.3)	▼
<b>Benchmarking Participants</b>		
Norway (4)	71 (2.2)	▲
Dubai, UAE	64 (1.6)	▲
Ontario, Canada	62 (2.6)	
Florida, US	61 (3.9)	
Quebec, Canada	48 (3.2)	▼
Abu Dhabi, UAE	47 (2.7)	▼
Buenos Aires, Argentina	32 (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**

**S05\_03 (S041026): Body covering protects a reptile**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Spain	80 (1.9)	▲
Australia	79 (1.5)	▲
United States	79 (1.3)	▲
Canada	79 (1.9)	▲
Singapore	78 (1.4)	▲
Ireland	76 (2.3)	▲
England	74 (2.0)	▲
Netherlands	74 (2.4)	▲
Northern Ireland	73 (2.5)	▲
New Zealand	69 (1.9)	▲
Portugal	66 (1.8)	▲
Denmark	65 (2.1)	▲
Germany	65 (2.1)	▲
Hungary	64 (2.0)	▲
France	63 (2.3)	▲
Russian Federation	63 (2.9)	▲
Bulgaria	60 (2.2)	▲
Chile	60 (2.4)	▲
Belgium (Flemish)	59 (2.3)	▲
Norway (5)	59 (2.3)	▲
Slovenia	56 (2.9)	
Kazakhstan	55 (2.8)	
Slovak Republic	55 (2.2)	
Italy	55 (2.2)	
Poland	53 (2.2)	
Czech Republic	52 (2.6)	
International Avg.	52 (0.3)	
Korea, Rep. of	51 (2.2)	
Qatar	50 (2.0)	
United Arab Emirates	47 (1.4)	▼
Hong Kong SAR	47 (3.0)	
Finland	47 (2.4)	▼
Lithuania	46 (2.7)	▼
Serbia	41 (2.5)	▼
Bahrain	40 (2.7)	▼
Oman	39 (2.0)	▼
Croatia	37 (2.5)	▼
Saudi Arabia	36 (2.8)	▼
Georgia	35 (2.9)	▼
Morocco	33 (2.2)	▼
Chinese Taipei	32 (2.0)	▼
Iran, Islamic Rep. of	30 (2.4)	▼
Sweden	28 (2.4)	▼
Kuwait	26 (1.9)	▼
Japan	21 (1.5)	▼
Cyprus	21 (1.6)	▼
Indonesia	18 (2.1)	▼
Turkey	12 (1.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	84 (2.8)	▲
Florida, US	80 (2.4)	▲
Ontario, Canada	78 (2.5)	▲
Dubai, UAE	62 (1.8)	▲
Norway (4)	57 (2.5)	
Buenos Aires, Argentina	57 (2.7)	
Abu Dhabi, UAE	40 (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**

**S05\_04 (S041177): Living things make their own food**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	48 (1.9) ▲	86 (1.3) ▲
United States	39 (1.6) ▲	70 (1.3) ▲
Kazakhstan	36 (1.5) ▲	67 (2.4) ▲
Poland	31 (2.6) ▲	69 (1.8) ▲
Bulgaria	29 (2.5) ▲	71 (2.2) ▲
Oman	28 (1.6) ▲	51 (1.8)
Italy	28 (2.3) ▲	62 (2.4) ▲
Canada	26 (1.7) ▲	59 (1.5) ▲
Hong Kong SAR	23 (2.9) ▲	63 (3.3) ▲
Bahrain	22 (1.9) ▲	52 (2.7)
Serbia	22 (2.3) ▲	57 (2.8) ▲
Spain	20 (1.9) ▲	61 (2.2) ▲
Slovenia	20 (2.0) ▲	51 (2.4)
Turkey	19 (1.6) ▲	56 (1.9) ▲
United Arab Emirates	18 (1.2)	48 (1.2)
Czech Republic	18 (1.6)	49 (2.1)
Australia	18 (1.7)	47 (2.2)
Chile	18 (1.7)	48 (2.1)
New Zealand	17 (1.7)	44 (2.3)
Finland	17 (2.0)	43 (2.6)
<b>International Avg.</b>	<b>16 (0.2)</b>	<b>48 (0.3)</b>
Chinese Taipei	16 (1.7)	45 (2.3)
Ireland	16 (1.9)	44 (2.3)
Croatia	16 (1.8)	49 (2.8)
England	15 (1.5)	55 (2.3) ▲
Slovak Republic	14 (1.6)	43 (2.1) ▼
Northern Ireland	13 (1.7)	46 (2.4)
Hungary	12 (1.5) ▼	35 (2.1) ▼
Qatar	12 (1.5) ▼	43 (2.4) ▼
Norway (5)	12 (1.7) ▼	53 (2.4)
Saudi Arabia	11 (1.6) ▼	41 (2.2) ▼
Japan	11 (1.3) ▼	48 (2.3)
Netherlands	11 (1.4) ▼	50 (2.2)
Lithuania	10 (1.6) ▼	52 (2.6)
Belgium (Flemish)	10 (1.5) ▼	41 (2.0) ▼
France	9 (1.1) ▼	39 (2.3) ▼
Germany	9 (1.4) ▼	40 (2.3) ▼
Denmark	9 (1.5) ▼	49 (2.6)
Cyprus	8 (1.2) ▼	36 (2.1) ▼
Sweden	8 (1.4) ▼	41 (2.3) ▼
Indonesia	7 (1.4) ▼	39 (2.4) ▼
Kuwait	6 (1.0) ▼	25 (1.6) ▼
Portugal	6 (1.1) ▼	44 (2.1) ▼
Russian Federation	6 (1.3) ▼	64 (2.2) ▲
Korea, Rep. of	5 (1.0) ▼	47 (2.2)
Georgia	5 (1.1) ▼	19 (2.0) ▼
Iran, Islamic Rep. of	1 (0.4) ▼	18 (1.9) ▼
Morocco	1 (0.4) ▼	4 (1.0) ▼
<b>Benchmarking Participants</b>		
Florida, US	45 (3.0) ▲	77 (2.9) ▲
Ontario, Canada	32 (2.2) ▲	64 (2.0) ▲
Dubai, UAE	25 (1.9) ▲	63 (1.2) ▲
Quebec, Canada	15 (2.0)	51 (3.0)
Abu Dhabi, UAE	15 (1.7)	42 (2.6) ▼
Buenos Aires, Argentina	10 (1.8) ▼	41 (2.5) ▼
Norway (4)	9 (1.2) ▼	40 (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**

**S05\_05 (S041183): Maintaining good physical health**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Japan	60 (2.2) ▲	92 (1.1) ▲
Korea, Rep. of	50 (2.1) ▲	96 (0.8) ▲
Hungary	33 (2.4) ▲	80 (2.0) ▲
Poland	30 (2.2) ▲	91 (1.2) ▲
United States	30 (1.4) ▲	75 (1.4)
Singapore	29 (1.5) ▲	90 (1.2) ▲
Hong Kong SAR	29 (2.3) ▲	90 (1.4) ▲
Germany	27 (1.8) ▲	80 (1.9) ▲
Croatia	26 (2.2) ▲	88 (1.6) ▲
Slovak Republic	22 (1.9)	73 (1.8)
Slovenia	21 (1.7)	79 (1.8) ▲
Northern Ireland	20 (1.9)	73 (2.3)
England	20 (1.8)	69 (2.2) ▼
Canada	20 (1.4)	83 (1.3) ▲
Chinese Taipei	20 (1.9)	82 (1.7) ▲
Portugal	19 (1.8)	91 (1.4) ▲
Chile	19 (1.4)	85 (1.6) ▲
<b>International Avg.</b>	<b>19 (0.3)</b>	<b>74 (0.3)</b>
Lithuania	19 (1.9)	90 (1.5) ▲
Bahrain	19 (3.3)	56 (3.4) ▼
Indonesia	19 (1.9)	58 (2.9) ▼
France	18 (1.8)	82 (2.4) ▲
Belgium (Flemish)	18 (1.8)	90 (1.4) ▲
Ireland	18 (2.2)	84 (1.7) ▲
Finland	18 (2.2)	80 (1.9) ▲
Australia	18 (1.4)	63 (2.7) ▼
Netherlands	17 (1.7)	87 (1.5) ▲
Cyprus	16 (1.8)	75 (2.1)
Qatar	16 (1.5) ▼	50 (2.2) ▼
Serbia	15 (1.7) ▼	86 (2.4) ▲
New Zealand	15 (1.3) ▼	69 (2.0) ▼
Czech Republic	15 (1.3) ▼	58 (2.3) ▼
Bulgaria	14 (1.4) ▼	81 (2.3) ▲
Spain	14 (1.5) ▼	88 (1.7) ▲
Norway (5)	14 (1.7) ▼	89 (1.5) ▲
Russian Federation	14 (1.7) ▼	93 (1.0) ▲
Turkey	14 (1.1) ▼	83 (1.7) ▲
United Arab Emirates	14 (0.8) ▼	57 (1.5) ▼
Italy	13 (1.5) ▼	61 (2.1) ▼
Iran, Islamic Rep. of	13 (1.7) ▼	60 (2.7) ▼
Sweden	13 (1.7) ▼	70 (2.3)
Denmark	13 (1.7) ▼	80 (1.7) ▲
Oman	11 (1.0) ▼	46 (1.4) ▼
Kuwait	11 (1.8) ▼	25 (2.3) ▼
Morocco	9 (1.1) ▼	26 (2.0) ▼
Georgia	8 (1.3) ▼	59 (2.7) ▼
Kazakhstan	8 (1.0) ▼	91 (1.0) ▲
Saudi Arabia	3 (0.8) ▼	36 (2.3) ▼
<b>Benchmarking Participants</b>		
Florida, US	30 (3.0) ▲	82 (2.5) ▲
Quebec, Canada	22 (3.0)	88 (2.2) ▲
Ontario, Canada	21 (2.0)	83 (1.6) ▲
Dubai, UAE	21 (1.2)	74 (1.2)
Abu Dhabi, UAE	10 (1.5) ▼	48 (2.7) ▼
Norway (4)	7 (1.2) ▼	71 (2.2)
Buenos Aires, Argentina	3 (0.9) ▼	60 (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**

**S05\_06 (S041008): Which animal is a mammal**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Czech Republic	80 (1.8)	▲
Singapore	76 (1.6)	▲
Hungary	75 (2.5)	▲
Bulgaria	71 (2.4)	▲
Kazakhstan	70 (2.4)	▲
Chinese Taipei	69 (2.0)	▲
Poland	68 (2.3)	▲
Slovak Republic	67 (2.5)	▲
Spain	62 (2.3)	▲
United States	62 (1.7)	▲
Italy	59 (2.2)	▲
Indonesia	58 (2.6)	▲
Hong Kong SAR	57 (2.3)	▲
Canada	57 (1.5)	▲
Finland	55 (2.3)	▲
Serbia	54 (2.2)	▲
Russian Federation	54 (2.5)	▲
Slovenia	53 (2.1)	▲
Australia	52 (2.5)	
Lithuania	51 (2.6)	
Denmark	49 (2.6)	
Korea, Rep. of	48 (1.9)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
Portugal	47 (2.3)	
England	44 (2.3)	
Japan	44 (1.9)	▼
Germany	43 (2.1)	▼
Northern Ireland	42 (2.9)	▼
United Arab Emirates	41 (1.4)	▼
Ireland	41 (2.5)	▼
New Zealand	40 (2.0)	▼
Belgium (Flemish)	40 (2.2)	▼
Turkey	39 (2.0)	▼
Oman	38 (1.7)	▼
Chile	38 (2.4)	▼
Sweden	38 (2.4)	▼
Croatia	38 (2.7)	▼
France	37 (2.8)	▼
Netherlands	36 (2.2)	▼
Norway (5)	36 (2.3)	▼
Cyprus	35 (2.2)	▼
Qatar	34 (1.8)	▼
Georgia	32 (2.9)	▼
Bahrain	30 (2.1)	▼
Kuwait	30 (2.3)	▼
Saudi Arabia	26 (2.5)	▼
Iran, Islamic Rep. of	25 (2.5)	▼
Morocco	23 (1.9)	▼
<b>Benchmarking Participants</b>		
Florida, US	66 (2.2)	▲
Ontario, Canada	60 (2.0)	▲
Quebec, Canada	54 (2.9)	▲
Dubai, UAE	48 (2.3)	
Abu Dhabi, UAE	41 (2.4)	▼
Buenos Aires, Argentina	37 (2.7)	▼
Norway (4)	34 (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**

**S05\_08 (S041195): Bulb lights in which circuit**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	57 (2.4)	▲
Kazakhstan	42 (2.7)	▲
Sweden	40 (3.0)	▲
Slovenia	35 (1.9)	▲
Korea, Rep. of	30 (1.9)	▲
Russian Federation	30 (2.3)	▲
Germany	30 (1.8)	▲
Norway (5)	29 (1.9)	▲
Chinese Taipei	29 (2.2)	▲
Singapore	26 (2.0)	▲
Finland	24 (2.2)	▲
Croatia	22 (2.0)	
Turkey	22 (1.4)	
Lithuania	22 (2.1)	
Denmark	21 (1.6)	
United States	20 (1.1)	
Belgium (Flemish)	20 (2.0)	
England	20 (1.7)	
Bulgaria	20 (1.8)	
Oman	19 (1.3)	
<b>International Avg.</b>	<b>19 (0.3)</b>	
Serbia	19 (2.3)	
France	19 (2.2)	
Bahrain	18 (2.3)	
Czech Republic	17 (1.6)	
Slovak Republic	17 (1.7)	
Cyprus	17 (1.4)	
Netherlands	16 (1.9)	
New Zealand	16 (1.4)	▼
Hong Kong SAR	15 (2.4)	
Ireland	15 (2.0)	▼
Canada	15 (1.2)	▼
Iran, Islamic Rep. of	15 (1.8)	▼
Spain	14 (1.1)	▼
United Arab Emirates	13 (1.1)	▼
Qatar	13 (1.7)	▼
Poland	12 (1.3)	▼
Portugal	11 (1.2)	▼
Morocco	11 (1.3)	▼
Italy	10 (1.4)	▼
Australia	10 (1.2)	▼
Hungary	10 (1.2)	▼
Northern Ireland	10 (1.4)	▼
Georgia	10 (1.6)	▼
Saudi Arabia	9 (1.3)	▼
Chile	7 (1.2)	▼
Indonesia	7 (1.3)	▼
Kuwait	4 (1.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	23 (1.9)	▲
Quebec, Canada	17 (2.4)	
Florida, US	15 (2.4)	
Ontario, Canada	14 (1.7)	▼
Norway (4)	14 (1.4)	▼
Buenos Aires, Argentina	11 (1.9)	▼
Abu Dhabi, UAE	9 (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**

**S05\_09A (S041134A): 1 or 2 dissolves the candy fastest**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Lithuania	65 (2.4)	▲
Belgium (Flemish)	55 (2.3)	▲
Kazakhstan	55 (2.4)	▲
Spain	54 (2.2)	▲
Chinese Taipei	53 (2.0)	▲
Russian Federation	48 (2.0)	▲
Cyprus	48 (2.0)	▲
Japan	46 (2.6)	▲
Korea, Rep. of	44 (1.9)	▲
Croatia	42 (2.6)	▲
Denmark	41 (2.2)	▲
Turkey	37 (2.0)	▲
Poland	37 (2.5)	▲
Bulgaria	37 (2.1)	▲
Canada	32 (1.6)	▲
Singapore	32 (1.8)	▲
United States	30 (1.5)	
Bahrain	28 (2.1)	
<b>International Avg.</b>	<b>28 (0.3)</b>	
England	25 (1.9)	
Norway (5)	25 (1.9)	
Sweden	24 (2.2)	
Germany	24 (1.8)	
Hong Kong SAR	23 (2.3)	
New Zealand	23 (1.6)	▼
Hungary	23 (1.8)	▼
Czech Republic	23 (1.5)	▼
Australia	23 (2.0)	▼
Finland	22 (2.3)	▼
Slovenia	21 (1.9)	▼
Qatar	21 (1.6)	▼
Ireland	18 (2.0)	▼
Northern Ireland	18 (2.0)	▼
Oman	18 (1.3)	▼
Morocco	18 (2.0)	▼
United Arab Emirates	16 (1.0)	▼
Serbia	16 (1.7)	▼
Italy	15 (1.7)	▼
Slovak Republic	15 (1.5)	▼
Netherlands	15 (1.6)	▼
Indonesia	14 (1.9)	▼
Chile	13 (1.4)	▼
Georgia	12 (1.7)	▼
Portugal	11 (1.3)	▼
Iran, Islamic Rep. of	11 (1.2)	▼
Saudi Arabia	9 (1.2)	▼
Kuwait	8 (1.1)	▼
France	8 (1.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	38 (3.0)	▲
Ontario, Canada	32 (1.8)	▲
Florida, US	31 (3.1)	
Dubai, UAE	28 (1.5)	
Norway (4)	15 (1.5)	▼
Abu Dhabi, UAE	12 (1.6)	▼
Buenos Aires, Argentina	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**

**S05\_09B (S041134B): 1 or 3 dissolves the candy fastest**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	90 (1.3)	▲
Japan	84 (1.5)	▲
Lithuania	78 (2.1)	▲
Slovenia	75 (2.1)	▲
Croatia	72 (2.3)	▲
Poland	67 (2.3)	▲
Russian Federation	66 (2.1)	▲
Hong Kong SAR	65 (2.8)	▲
Chinese Taipei	65 (2.0)	▲
Italy	63 (2.1)	▲
Kazakhstan	59 (2.4)	▲
Hungary	56 (2.4)	▲
Sweden	53 (2.8)	▲
Denmark	52 (2.5)	▲
Turkey	51 (2.4)	
Czech Republic	51 (2.5)	
Germany	50 (2.2)	
Cyprus	50 (2.1)	
Spain	50 (2.5)	
Belgium (Flemish)	49 (2.1)	
Slovak Republic	49 (2.1)	
Finland	48 (2.2)	
Canada	48 (1.7)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
France	47 (2.5)	
Northern Ireland	45 (2.5)	
Australia	44 (2.0)	
Ireland	44 (2.5)	
United States	44 (1.4)	▼
Bahrain	44 (2.2)	
Portugal	43 (2.0)	▼
Singapore	42 (1.7)	▼
New Zealand	42 (1.6)	▼
Bulgaria	41 (2.7)	▼
Serbia	40 (3.0)	▼
Norway (5)	39 (2.2)	▼
England	37 (2.0)	▼
Oman	36 (1.7)	▼
Qatar	33 (1.9)	▼
Netherlands	31 (2.0)	▼
Indonesia	31 (2.6)	▼
Iran, Islamic Rep. of	30 (2.5)	▼
Chile	29 (2.1)	▼
United Arab Emirates	29 (1.1)	▼
Morocco	20 (2.2)	▼
Saudi Arabia	20 (1.9)	▼
Georgia	16 (1.6)	▼
Kuwait	11 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	61 (3.6)	▲
Ontario, Canada	44 (2.1)	
Florida, US	42 (2.6)	
Dubai, UAE	42 (1.6)	▼
Norway (4)	28 (1.8)	▼
Abu Dhabi, UAE	24 (2.2)	▼
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**

**S05\_09C (S041134C): Method gives the less sweet drink**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Japan	75 (1.8)	▲
Korea, Rep. of	74 (1.9)	▲
Chinese Taipei	68 (2.4)	▲
Poland	65 (1.9)	▲
Singapore	64 (2.0)	▲
Hong Kong SAR	62 (2.3)	▲
Norway (5)	61 (1.8)	▲
Finland	60 (2.5)	▲
Slovenia	59 (2.2)	▲
England	59 (2.2)	▲
Lithuania	58 (2.6)	▲
Netherlands	57 (2.3)	▲
Northern Ireland	56 (2.4)	▲
Serbia	56 (2.5)	▲
Hungary	55 (2.2)	▲
Germany	54 (2.0)	▲
Sweden	54 (2.4)	
Ireland	54 (3.0)	
Russian Federation	53 (2.2)	
Slovak Republic	52 (2.1)	
Croatia	52 (2.3)	
Italy	52 (2.8)	
Portugal	51 (2.2)	
Czech Republic	50 (2.0)	
Australia	50 (2.0)	
New Zealand	50 (2.0)	
International Avg.	49 (0.3)	
Canada	49 (1.7)	
Belgium (Flemish)	49 (1.8)	
Bulgaria	49 (2.8)	
Denmark	48 (1.9)	
Spain	47 (2.0)	
United States	45 (1.2)	▼
Kazakhstan	45 (2.7)	
France	44 (2.4)	▼
Turkey	43 (1.8)	▼
United Arab Emirates	42 (1.2)	▼
Cyprus	41 (2.2)	▼
Chile	39 (1.9)	▼
Qatar	38 (2.1)	▼
Bahrain	35 (2.5)	▼
Oman	34 (1.6)	▼
Iran, Islamic Rep. of	32 (3.4)	▼
Georgia	31 (2.5)	▼
Indonesia	29 (2.0)	▼
Kuwait	26 (2.0)	▼
Saudi Arabia	25 (2.1)	▼
Morocco	25 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	51 (3.9)	
Dubai, UAE	50 (2.2)	
Ontario, Canada	50 (2.0)	
Norway (4)	45 (2.5)	
Florida, US	44 (2.7)	▼
Abu Dhabi, UAE	38 (2.0)	▼
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.

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

**S05\_10 (S041191): Materials and heat conduction**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	94 (0.9)	▲
Hong Kong SAR	87 (1.6)	▲
Japan	80 (1.7)	▲
Chinese Taipei	73 (1.8)	▲
Oman	71 (1.4)	▲
Korea, Rep. of	70 (2.2)	▲
Bulgaria	69 (2.6)	▲
Serbia	67 (3.1)	▲
Finland	61 (2.5)	▲
Sweden	58 (2.3)	▲
Bahrain	58 (2.5)	▲
Kazakhstan	57 (3.0)	
Georgia	56 (2.8)	
Morocco	55 (2.5)	
Slovenia	54 (2.4)	
England	54 (2.4)	
Russian Federation	54 (2.2)	
Qatar	52 (2.2)	
Norway (5)	52 (2.4)	
United States	52 (1.6)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Hungary	51 (2.3)	
United Arab Emirates	50 (1.2)	
Germany	49 (2.2)	
Spain	48 (1.7)	
Australia	47 (2.2)	
Saudi Arabia	45 (2.8)	▼
Indonesia	45 (2.6)	▼
Poland	45 (2.6)	▼
Italy	45 (2.3)	▼
Ireland	44 (2.4)	▼
Turkey	44 (1.9)	▼
Lithuania	44 (2.8)	▼
Canada	42 (1.7)	▼
Denmark	42 (2.3)	▼
Czech Republic	42 (2.5)	▼
Belgium (Flemish)	41 (2.0)	▼
Slovak Republic	41 (2.2)	▼
Kuwait	40 (2.1)	▼
New Zealand	40 (1.9)	▼
France	39 (2.2)	▼
Croatia	38 (2.5)	▼
Cyprus	38 (2.0)	▼
Northern Ireland	38 (2.7)	▼
Netherlands	34 (2.4)	▼
Chile	32 (1.7)	▼
Portugal	30 (2.5)	▼
Iran, Islamic Rep. of	26 (2.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	59 (1.8)	▲
Florida, US	56 (3.4)	
Buenos Aires, Argentina	51 (2.8)	
Abu Dhabi, UAE	45 (2.3)	▼
Norway (4)	44 (2.2)	▼
Ontario, Canada	44 (2.1)	▼
Quebec, Canada	40 (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**

**S05\_11 (S041107): Two planets orbit the sun**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Bulgaria	81 (2.3) ▲	84 (2.3) ▲
Portugal	79 (2.0) ▲	82 (1.7) ▲
Poland	77 (1.9) ▲	81 (1.7) ▲
Russian Federation	77 (2.0) ▲	85 (1.9) ▲
Slovak Republic	74 (1.9) ▲	81 (1.8) ▲
Spain	71 (2.2) ▲	80 (2.2) ▲
Norway (5)	70 (2.0) ▲	87 (1.4) ▲
Chile	69 (2.2) ▲	80 (2.1) ▲
United States	68 (1.7) ▲	85 (1.2) ▲
Korea, Rep. of	66 (2.2) ▲	88 (1.5) ▲
England	66 (2.2) ▲	87 (1.6) ▲
Ireland	66 (2.8) ▲	89 (1.3) ▲
Czech Republic	66 (2.3) ▲	78 (1.8) ▲
Georgia	65 (2.4) ▲	72 (2.2) ▲
Sweden	62 (2.6) ▲	82 (1.8) ▲
Hungary	61 (2.4) ▲	79 (2.1) ▲
Iran, Islamic Rep. of	61 (3.1)	68 (3.5)
Hong Kong SAR	61 (2.7) ▲	81 (2.0) ▲
Australia	60 (2.2) ▲	84 (1.3) ▲
Bahrain	60 (3.0)	71 (2.7)
Kazakhstan	60 (2.5)	76 (2.6)
Canada	58 (1.8)	80 (1.6) ▲
New Zealand	58 (2.1)	82 (1.5) ▲
Northern Ireland	58 (2.6)	84 (2.2) ▲
United Arab Emirates	58 (1.5)	68 (1.2) ▼
Croatia	58 (2.9)	77 (2.1) ▲
Lithuania	57 (2.7)	77 (2.1)
Italy	56 (2.6)	72 (2.3)
<b>International Avg.</b>	<b>55 (0.3)</b>	<b>73 (0.3)</b>
Slovenia	55 (2.2)	73 (2.0)
Finland	51 (2.6)	76 (1.8)
Denmark	50 (2.3) ▼	71 (2.2)
Germany	50 (2.5) ▼	74 (2.2)
Oman	49 (1.5) ▼	62 (1.4) ▼
Belgium (Flemish)	49 (2.3) ▼	82 (1.6) ▲
France	48 (2.4) ▼	69 (1.9)
Chinese Taipei	48 (2.3) ▼	73 (2.2)
Netherlands	48 (2.8) ▼	82 (2.1) ▲
Singapore	44 (1.9) ▼	77 (1.6) ▲
Qatar	43 (1.8) ▼	59 (1.9) ▼
Serbia	41 (2.9) ▼	56 (3.5) ▼
Cyprus	40 (2.7) ▼	63 (2.4) ▼
Saudi Arabia	38 (2.6) ▼	51 (2.2) ▼
Japan	37 (2.0) ▼	68 (2.3) ▼
Indonesia	28 (2.2) ▼	41 (2.7) ▼
Turkey	28 (2.0) ▼	48 (2.2) ▼
Kuwait	25 (2.2) ▼	42 (2.7) ▼
Morocco	9 (1.6) ▼	20 (2.1) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	74 (3.3) ▲	87 (2.8) ▲
Dubai, UAE	72 (1.5) ▲	84 (1.1) ▲
Florida, US	66 (3.1) ▲	84 (2.3) ▲
Norway (4)	64 (2.3) ▲	80 (1.8) ▲
Ontario, Canada	54 (2.3)	79 (1.6) ▲
Abu Dhabi, UAE	44 (3.0) ▼	53 (2.7) ▼
Buenos Aires, Argentina	42 (2.4) ▼	54 (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**

**S05\_12 (S041113): Why shadows changed**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	89 (1.3)	▲
Kazakhstan	70 (2.1)	▲
Singapore	67 (1.6)	▲
Korea, Rep. of	67 (2.5)	▲
Hong Kong SAR	59 (2.4)	▲
Slovenia	59 (2.2)	▲
Finland	57 (2.0)	▲
Serbia	55 (2.7)	▲
Belgium (Flemish)	54 (2.3)	▲
Spain	52 (2.1)	▲
France	50 (2.7)	▲
Russian Federation	48 (2.3)	▲
Australia	46 (2.5)	▲
Turkey	46 (2.3)	▲
Chinese Taipei	46 (2.0)	▲
Denmark	44 (2.1)	
Sweden	43 (2.5)	
Croatia	43 (2.6)	
United States	42 (1.3)	
Cyprus	42 (2.3)	
Netherlands	41 (2.5)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
New Zealand	40 (1.7)	
Germany	40 (2.3)	
Lithuania	40 (2.5)	
Bahrain	39 (1.8)	
Portugal	39 (2.4)	
Hungary	39 (2.5)	
Canada	38 (1.4)	▼
Norway (5)	38 (2.2)	
Bulgaria	37 (2.6)	
Ireland	37 (2.3)	
Slovak Republic	36 (2.2)	▼
Poland	34 (2.3)	▼
Chile	31 (2.4)	▼
Oman	31 (1.8)	▼
Czech Republic	31 (1.7)	▼
Georgia	30 (2.5)	▼
Italy	29 (2.4)	▼
Qatar	28 (1.9)	▼
Indonesia	26 (2.0)	▼
United Arab Emirates	26 (1.1)	▼
England	25 (1.8)	▼
Northern Ireland	24 (2.4)	▼
Saudi Arabia	22 (2.2)	▼
Iran, Islamic Rep. of	19 (2.3)	▼
Morocco	18 (1.7)	▼
Kuwait	14 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	42 (3.8)	
Quebec, Canada	40 (3.6)	
Dubai, UAE	37 (1.7)	▼
Ontario, Canada	34 (2.3)	▼
Norway (4)	25 (1.8)	▼
Abu Dhabi, UAE	20 (2.1)	▼
Buenos Aires, Argentina	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**

**S06\_01 (S051185): Water in tray and mosquitoes**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	97 (0.6)	▲
Chinese Taipei	87 (1.7)	▲
Korea, Rep. of	80 (1.7)	▲
Hong Kong SAR	79 (1.7)	▲
Finland	75 (1.9)	▲
Russian Federation	70 (2.4)	▲
Hungary	69 (2.1)	▲
Japan	68 (1.7)	▲
Netherlands	65 (2.4)	▲
Indonesia	64 (2.6)	▲
Czech Republic	63 (2.2)	▲
Germany	63 (2.2)	▲
Denmark	63 (2.3)	▲
Norway (5)	61 (2.4)	▲
Australia	57 (2.7)	▲
Slovak Republic	57 (2.2)	▲
Poland	57 (2.2)	▲
Ireland	56 (2.5)	▲
England	56 (2.6)	
Belgium (Flemish)	56 (2.2)	▲
New Zealand	53 (2.0)	
Sweden	53 (2.5)	
United States	52 (1.6)	
Lithuania	52 (2.8)	
Canada	52 (1.4)	
Croatia	52 (2.4)	
International Avg.	51 (0.3)	
Northern Ireland	50 (2.9)	
Slovenia	50 (2.4)	
Bulgaria	49 (2.7)	
Italy	48 (2.7)	
Serbia	46 (3.2)	
Kazakhstan	45 (2.8)	▼
France	44 (2.2)	▼
Chile	39 (2.2)	▼
United Arab Emirates	38 (1.3)	▼
Spain	38 (1.9)	▼
Turkey	34 (2.0)	▼
Qatar	33 (1.7)	▼
Bahrain	31 (1.8)	▼
Cyprus	28 (2.2)	▼
Georgia	28 (2.5)	▼
Portugal	27 (2.0)	▼
Oman	27 (1.6)	▼
Iran, Islamic Rep. of	27 (2.7)	▼
Morocco	26 (2.2)	▼
Saudi Arabia	21 (2.1)	▼
Kuwait	18 (1.8)	▼
<b>Benchmarking Participants</b>		
Norway (4)	58 (2.4)	▲
Florida, US	57 (3.3)	
Ontario, Canada	53 (2.5)	
Dubai, UAE	52 (2.0)	
Quebec, Canada	49 (3.2)	
Buenos Aires, Argentina	33 (2.9)	▼
Abu Dhabi, UAE	31 (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**

**S06\_02 (S051048): Ways pollen is spread**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Hungary	61 (2.2) ▲	84 (1.9) ▲
Finland	58 (2.1) ▲	89 (1.3) ▲
Slovenia	55 (2.1) ▲	84 (1.8) ▲
Italy	53 (2.3) ▲	75 (2.1) ▲
Russian Federation	53 (2.7) ▲	84 (1.7) ▲
Bulgaria	52 (2.8) ▲	76 (2.2) ▲
Czech Republic	49 (2.2) ▲	85 (1.5) ▲
Spain	45 (2.6) ▲	75 (1.8) ▲
United States	44 (1.5) ▲	85 (1.0) ▲
Lithuania	44 (2.6) ▲	69 (2.4)
Korea, Rep. of	44 (2.3) ▲	80 (1.7) ▲
Norway (5)	42 (2.6) ▲	76 (1.9) ▲
Poland	41 (2.5) ▲	75 (2.2) ▲
Slovak Republic	40 (2.1) ▲	73 (2.1) ▲
Sweden	40 (2.3) ▲	77 (2.2) ▲
Serbia	39 (2.4) ▲	66 (2.6)
Croatia	39 (2.4) ▲	76 (2.3) ▲
Georgia	38 (2.6)	66 (2.5)
New Zealand	37 (2.1)	75 (1.8) ▲
Canada	36 (1.8)	78 (1.6) ▲
Kazakhstan	36 (2.7)	66 (2.4)
Australia	35 (2.3)	77 (1.6) ▲
Netherlands	35 (2.4)	67 (2.4)
Belgium (Flemish)	34 (2.3)	69 (2.2)
Portugal	34 (2.0)	72 (2.1) ▲
<b>International Avg.</b>	<b>34 (0.3)</b>	<b>66 (0.3)</b>
Ireland	32 (2.3)	77 (2.6) ▲
Hong Kong SAR	32 (2.5)	72 (2.9) ▲
England	31 (2.1)	78 (2.0) ▲
Japan	31 (2.1)	63 (2.1)
Northern Ireland	31 (2.8)	69 (2.6)
Chinese Taipei	28 (2.2) ▼	76 (2.0) ▲
Singapore	27 (1.8) ▼	67 (1.7)
France	27 (2.0) ▼	58 (2.4) ▼
Chile	26 (1.7) ▼	66 (2.2)
Denmark	26 (1.9) ▼	63 (2.2)
Germany	25 (2.0) ▼	59 (2.1) ▼
Turkey	23 (1.8) ▼	55 (2.1) ▼
Qatar	23 (1.7) ▼	50 (2.2) ▼
United Arab Emirates	23 (1.2) ▼	48 (1.5) ▼
Cyprus	22 (1.8) ▼	57 (2.3) ▼
Saudi Arabia	20 (2.1) ▼	41 (2.6) ▼
Oman	20 (1.6) ▼	42 (1.7) ▼
Morocco	18 (2.0) ▼	32 (2.2) ▼
Bahrain	18 (1.6) ▼	47 (2.5) ▼
Kuwait	13 (1.7) ▼	28 (2.5) ▼
Iran, Islamic Rep. of	8 (1.4) ▼	19 (2.2) ▼
Indonesia	6 (1.1) ▼	18 (2.1) ▼
<b>Benchmarking Participants</b>		
Florida, US	39 (3.5)	85 (2.8) ▲
Dubai, UAE	37 (2.2)	67 (2.1)
Ontario, Canada	37 (2.4)	79 (1.7) ▲
Quebec, Canada	37 (3.0)	80 (3.0) ▲
Norway (4)	33 (2.1)	66 (2.0)
Buenos Aires, Argentina	16 (2.0) ▼	32 (2.8) ▼
Abu Dhabi, UAE	15 (1.8) ▼	40 (2.6) ▼

- ▲ 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**

**S06\_03 (S051164): Why frogs lay more eggs than birds**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	44 (2.0)	▲
Korea, Rep. of	44 (2.0)	▲
Bulgaria	36 (2.8)	▲
Russian Federation	32 (2.0)	▲
Kazakhstan	26 (2.8)	▲
Netherlands	23 (2.4)	▲
United States	23 (1.2)	▲
Sweden	23 (1.9)	▲
Japan	21 (1.5)	▲
Bahrain	21 (1.8)	▲
Australia	21 (1.6)	▲
Germany	21 (1.9)	▲
Finland	20 (1.6)	▲
Hong Kong SAR	19 (2.0)	▲
Georgia	19 (2.1)	▲
Italy	18 (1.9)	▲
Serbia	17 (1.9)	
Canada	16 (1.2)	
Qatar	15 (1.5)	
<b>International Avg.</b>	<b>14 (0.2)</b>	
Spain	12 (1.5)	
Chinese Taipei	12 (1.4)	
New Zealand	12 (1.4)	▼
Ireland	11 (1.5)	▼
Norway (5)	11 (1.3)	▼
United Arab Emirates	11 (0.9)	▼
Oman	11 (0.9)	▼
Denmark	10 (1.6)	▼
France	10 (1.5)	▼
Hungary	9 (1.2)	▼
Croatia	9 (1.3)	▼
Slovenia	9 (1.1)	▼
Czech Republic	9 (1.0)	▼
Northern Ireland	9 (1.3)	▼
Poland	8 (1.0)	▼
Morocco	8 (1.6)	▼
Chile	8 (1.2)	▼
Lithuania	8 (1.4)	▼
Slovak Republic	6 (1.0)	▼
Portugal	6 (0.9)	▼
Belgium (Flemish)	6 (1.1)	▼
England	5 (0.9)	▼
Turkey	5 (0.9)	▼
Cyprus	4 (0.8)	▼
Kuwait	4 (1.1)	▼
Iran, Islamic Rep. of	3 (0.7)	▼
Saudi Arabia	3 (0.8)	▼
Indonesia	1 (0.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	22 (2.4)	▲
Dubai, UAE	20 (1.7)	▲
Ontario, Canada	17 (1.8)	
Quebec, Canada	17 (2.6)	
Norway (4)	9 (1.3)	▼
Abu Dhabi, UAE	7 (1.2)	▼
Buenos Aires, Argentina	2 (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**

**S06\_04 (S051186): Write in names in food chain**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	91 (1.4)	▲
Russian Federation	89 (1.5)	▲
Hungary	88 (1.4)	▲
Poland	88 (1.6)	▲
Japan	86 (1.5)	▲
Hong Kong SAR	86 (1.7)	▲
Bulgaria	85 (2.0)	▲
Portugal	83 (1.8)	▲
Sweden	82 (2.0)	▲
Slovenia	82 (1.9)	▲
Lithuania	82 (1.7)	▲
Bahrain	80 (2.0)	▲
United States	79 (1.4)	▲
Italy	79 (2.1)	▲
Serbia	79 (2.3)	▲
Finland	79 (1.6)	▲
Singapore	78 (1.5)	▲
Canada	78 (1.4)	▲
Czech Republic	77 (1.9)	▲
England	76 (2.2)	▲
Belgium (Flemish)	76 (1.8)	▲
Australia	75 (1.7)	▲
Denmark	75 (1.9)	
Spain	75 (1.7)	
Netherlands	74 (2.0)	
Chinese Taipei	74 (2.1)	
Germany	73 (1.9)	
Oman	73 (1.3)	
<b>International Avg.</b>	<b>72 (0.3)</b>	
Norway (5)	71 (2.1)	
Croatia	70 (2.6)	
Slovak Republic	68 (2.0)	
Cyprus	68 (2.2)	
Ireland	67 (2.1)	▼
France	67 (2.4)	▼
Chile	66 (1.9)	▼
United Arab Emirates	66 (1.1)	▼
New Zealand	65 (1.9)	▼
Kazakhstan	64 (2.7)	▼
Northern Ireland	63 (2.7)	▼
Qatar	58 (1.9)	▼
Turkey	54 (2.0)	▼
Saudi Arabia	51 (2.9)	▼
Kuwait	51 (2.3)	▼
Morocco	49 (2.2)	▼
Georgia	49 (2.7)	▼
Indonesia	44 (2.6)	▼
Iran, Islamic Rep. of	35 (2.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	83 (2.6)	▲
Dubai, UAE	82 (1.1)	▲
Ontario, Canada	82 (1.6)	▲
Quebec, Canada	76 (2.8)	
Norway (4)	64 (2.5)	▼
Abu Dhabi, UAE	59 (2.4)	▼
Buenos Aires, Argentina	41 (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**

**S06\_05 (S051137): Why wash hands before eating**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Hong Kong SAR	95 (1.3)	▲
Korea, Rep. of	94 (1.1)	▲
Japan	92 (1.1)	▲
Russian Federation	92 (1.2)	▲
Denmark	90 (1.4)	▲
Poland	89 (1.4)	▲
Singapore	89 (1.2)	▲
Bulgaria	89 (1.4)	▲
Norway (5)	89 (1.3)	▲
Chinese Taipei	89 (1.5)	▲
Germany	87 (1.4)	▲
Finland	87 (2.1)	▲
Czech Republic	86 (1.6)	▲
Lithuania	86 (1.7)	▲
England	86 (1.5)	▲
Croatia	85 (1.8)	▲
Serbia	84 (1.7)	▲
Kazakhstan	84 (1.6)	▲
Spain	84 (1.7)	▲
Hungary	84 (1.8)	▲
Chile	83 (1.4)	▲
Netherlands	82 (2.0)	▲
Northern Ireland	79 (2.2)	
Slovenia	78 (1.7)	
Slovak Republic	78 (1.7)	
Ireland	76 (2.3)	
<b>International Avg.</b>	<b>76 (0.3)</b>	
Sweden	76 (2.3)	
Portugal	76 (1.9)	
New Zealand	75 (1.8)	
Georgia	74 (2.1)	
Italy	72 (2.6)	
Australia	70 (2.6)	▼
Turkey	68 (1.9)	▼
Belgium (Flemish)	67 (1.8)	▼
Bahrain	66 (2.4)	▼
Canada	65 (1.8)	▼
Iran, Islamic Rep. of	65 (3.1)	▼
Qatar	64 (2.0)	▼
United Arab Emirates	64 (1.2)	▼
United States	63 (1.5)	▼
Cyprus	62 (2.1)	▼
France	61 (1.9)	▼
Oman	59 (1.2)	▼
Saudi Arabia	57 (2.1)	▼
Indonesia	57 (2.1)	▼
Morocco	49 (2.4)	▼
Kuwait	37 (2.0)	▼
<b>Benchmarking Participants</b>		
Norway (4)	82 (1.9)	▲
Dubai, UAE	74 (1.4)	
Ontario, Canada	70 (2.4)	▼
Florida, US	62 (3.1)	▼
Quebec, Canada	57 (3.1)	▼
Buenos Aires, Argentina	57 (2.9)	▼
Abu Dhabi, UAE	53 (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**

**S06\_06 (S051007): Importance of spiders**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Russian Federation	82 (2.1)	▲
Hungary	81 (1.7)	▲
Poland	74 (2.2)	▲
Singapore	73 (1.7)	▲
Slovak Republic	72 (2.1)	▲
Korea, Rep. of	71 (2.0)	▲
Kazakhstan	71 (1.8)	▲
Czech Republic	71 (2.0)	▲
Lithuania	68 (2.7)	▲
United States	67 (1.6)	▲
Belgium (Flemish)	65 (1.7)	▲
Australia	65 (1.6)	▲
Slovenia	65 (2.3)	▲
Netherlands	63 (2.0)	▲
Chinese Taipei	63 (2.1)	▲
Japan	63 (2.2)	▲
Canada	63 (1.5)	▲
Hong Kong SAR	63 (2.4)	▲
Croatia	62 (2.2)	▲
Finland	62 (2.3)	▲
Germany	62 (2.2)	▲
Bulgaria	60 (2.6)	▲
Italy	59 (2.4)	▲
Norway (5)	58 (2.2)	▲
Ireland	57 (2.4)	
Denmark	56 (2.2)	
Serbia	55 (2.7)	
New Zealand	55 (2.1)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Sweden	53 (2.3)	
Spain	53 (2.3)	
France	52 (2.3)	
Cyprus	52 (1.9)	
Northern Ireland	48 (2.8)	▼
Chile	46 (2.4)	▼
England	45 (2.8)	▼
Georgia	44 (3.2)	▼
Portugal	43 (2.4)	▼
Iran, Islamic Rep. of	41 (3.0)	▼
Bahrain	36 (2.7)	▼
United Arab Emirates	30 (1.2)	▼
Morocco	29 (2.2)	▼
Turkey	28 (1.7)	▼
Qatar	27 (2.0)	▼
Saudi Arabia	26 (2.3)	▼
Oman	25 (1.5)	▼
Indonesia	22 (2.1)	▼
Kuwait	15 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	75 (2.6)	▲
Florida, US	70 (2.9)	▲
Ontario, Canada	59 (2.0)	▲
Norway (4)	48 (2.5)	▼
Dubai, UAE	42 (2.0)	▼
Abu Dhabi, UAE	26 (2.2)	▼
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.



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

**S06\_07 (S051087): Reason to build bridge of steel**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	94 (1.0)	▲
Russian Federation	91 (1.2)	▲
Chinese Taipei	90 (1.2)	▲
Finland	89 (1.4)	▲
Netherlands	89 (1.4)	▲
Lithuania	88 (1.5)	▲
Hong Kong SAR	87 (1.8)	▲
Czech Republic	86 (1.7)	▲
Italy	86 (1.7)	▲
United States	86 (1.1)	▲
England	85 (1.8)	▲
Belgium (Flemish)	85 (1.4)	▲
Norway (5)	85 (1.6)	▲
Japan	85 (1.3)	▲
Ireland	85 (1.6)	▲
Singapore	85 (1.3)	▲
Germany	84 (1.6)	▲
Northern Ireland	84 (1.7)	▲
Poland	84 (1.8)	▲
Sweden	81 (2.2)	▲
Australia	81 (1.7)	▲
Slovak Republic	80 (1.6)	▲
Serbia	80 (1.9)	▲
Bulgaria	79 (2.1)	▲
New Zealand	79 (1.8)	▲
Hungary	77 (1.7)	
Spain	77 (1.9)	
Canada	77 (1.8)	
Denmark	77 (1.8)	
Slovenia	76 (2.1)	
Croatia	76 (2.0)	
<b>International Avg.</b>	<b>75 (0.3)</b>	
France	75 (1.9)	
Turkey	73 (1.8)	
Chile	72 (2.3)	
Portugal	72 (2.2)	
Cyprus	68 (2.0)	▼
Kazakhstan	68 (2.3)	▼
Georgia	64 (2.4)	▼
United Arab Emirates	61 (1.3)	▼
Indonesia	58 (2.7)	▼
Qatar	56 (2.0)	▼
Bahrain	55 (2.5)	▼
Oman	53 (1.7)	▼
Iran, Islamic Rep. of	51 (3.2)	▼
Saudi Arabia	46 (2.4)	▼
Morocco	40 (2.4)	▼
Kuwait	39 (2.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	89 (2.0)	▲
Ontario, Canada	81 (1.6)	▲
Norway (4)	80 (1.7)	▲
Quebec, Canada	73 (3.2)	
Dubai, UAE	71 (1.6)	▼
Abu Dhabi, UAE	57 (2.6)	▼
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**

**S06\_08A (S051188A): Energy used by people: concrete**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Poland	93 (1.1)	▲
Finland	92 (1.2)	▲
Slovenia	92 (1.2)	▲
Lithuania	90 (1.4)	▲
Czech Republic	89 (1.6)	▲
Hong Kong SAR	88 (1.8)	▲
Slovak Republic	88 (1.4)	▲
Japan	87 (1.5)	▲
Belgium (Flemish)	87 (1.1)	▲
Croatia	87 (1.9)	▲
Portugal	87 (1.6)	▲
Hungary	87 (1.5)	▲
Northern Ireland	86 (2.1)	▲
Ireland	86 (2.1)	▲
Italy	86 (1.7)	▲
United States	85 (1.0)	▲
Serbia	85 (2.1)	▲
Russian Federation	85 (1.6)	▲
Germany	85 (1.6)	▲
Netherlands	84 (2.2)	▲
Canada	84 (1.4)	▲
Singapore	84 (1.3)	▲
Korea, Rep. of	83 (1.6)	▲
Denmark	83 (1.7)	▲
Bulgaria	83 (2.2)	
Turkey	83 (1.6)	▲
Spain	82 (1.8)	
Norway (5)	82 (1.7)	
Sweden	81 (2.1)	
England	81 (1.9)	
Kazakhstan	81 (1.8)	
France	80 (2.1)	
Australia	80 (1.8)	
Chile	80 (1.8)	
Chinese Taipei	79 (1.8)	
<b>International Avg.</b>	<b>79 (0.3)</b>	
Cyprus	77 (1.9)	
New Zealand	75 (1.8)	▼
Oman	68 (1.4)	▼
United Arab Emirates	67 (1.3)	▼
Bahrain	65 (2.4)	▼
Qatar	63 (2.3)	▼
Indonesia	63 (2.4)	▼
Iran, Islamic Rep. of	62 (2.6)	▼
Georgia	58 (2.6)	▼
Saudi Arabia	52 (2.4)	▼
Morocco	47 (2.3)	▼
Kuwait	42 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	87 (2.2)	▲
Quebec, Canada	86 (2.5)	▲
Ontario, Canada	83 (1.7)	▲
Dubai, UAE	78 (1.5)	
Norway (4)	69 (2.3)	▼
Abu Dhabi, UAE	59 (2.6)	▼
Buenos Aires, Argentina	52 (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**

**S06\_08B (S051188B): Energy used by people: wind**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	91 (1.3)	▲
Finland	89 (1.6)	▲
Hong Kong SAR	86 (2.0)	▲
Serbia	82 (2.3)	▲
Belgium (Flemish)	81 (1.6)	▲
Northern Ireland	80 (2.2)	▲
Netherlands	80 (2.1)	▲
Hungary	80 (1.9)	▲
Norway (5)	80 (1.9)	▲
Germany	80 (2.0)	▲
Ireland	79 (1.9)	▲
Croatia	78 (1.9)	▲
Sweden	78 (2.1)	▲
Korea, Rep. of	77 (1.8)	▲
United States	75 (1.3)	▲
Poland	75 (2.2)	▲
Canada	74 (1.3)	▲
Lithuania	74 (2.4)	▲
Denmark	74 (2.0)	▲
Spain	74 (1.8)	▲
Bulgaria	73 (2.4)	▲
France	72 (2.1)	
Portugal	72 (2.2)	
Slovenia	71 (1.9)	
New Zealand	71 (1.7)	
Czech Republic	71 (2.2)	
Slovak Republic	70 (1.9)	
Cyprus	70 (2.0)	
Japan	70 (1.9)	
Italy	69 (2.2)	
Australia	68 (2.3)	
<b>International Avg.</b>	<b>68 (0.3)</b>	
England	67 (2.2)	
Russian Federation	66 (1.9)	
Indonesia	63 (2.7)	
Chile	61 (2.3)	▼
Oman	61 (1.4)	▼
Kazakhstan	57 (2.5)	▼
United Arab Emirates	57 (1.2)	▼
Turkey	57 (1.8)	▼
Iran, Islamic Rep. of	52 (2.9)	▼
Qatar	48 (1.7)	▼
Bahrain	47 (2.7)	▼
Singapore	47 (1.7)	▼
Georgia	41 (2.6)	▼
Morocco	39 (2.3)	▼
Saudi Arabia	36 (2.6)	▼
Kuwait	30 (2.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	81 (2.1)	▲
Quebec, Canada	77 (2.7)	▲
Ontario, Canada	73 (1.7)	▲
Norway (4)	71 (2.3)	
Dubai, UAE	70 (2.0)	
Abu Dhabi, UAE	51 (2.2)	▼
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**

**S06\_08C (S051188C): Energy used by people: Sun**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	97 (0.8)	▲
Hong Kong SAR	95 (1.3)	▲
Singapore	95 (0.8)	▲
Czech Republic	93 (1.1)	▲
Japan	93 (0.9)	▲
Hungary	92 (1.5)	▲
Finland	92 (1.3)	▲
Chinese Taipei	92 (1.4)	▲
Canada	92 (1.0)	▲
Russian Federation	92 (1.2)	▲
Germany	92 (1.1)	▲
United States	91 (0.8)	▲
Northern Ireland	91 (1.6)	▲
Slovak Republic	91 (1.1)	▲
Sweden	91 (1.5)	▲
Turkey	90 (1.3)	▲
Netherlands	90 (1.5)	▲
Lithuania	90 (1.4)	▲
Kazakhstan	90 (1.3)	▲
Italy	89 (1.4)	▲
Spain	89 (1.6)	▲
Belgium (Flemish)	89 (1.3)	▲
France	89 (1.3)	▲
Ireland	89 (1.6)	▲
Australia	89 (1.4)	▲
England	88 (1.3)	▲
Croatia	88 (2.2)	▲
Poland	88 (1.4)	▲
Norway (5)	88 (1.4)	▲
Slovenia	88 (1.4)	▲
Portugal	87 (1.4)	▲
Bulgaria	87 (1.9)	▲
Serbia	87 (1.7)	▲
<b>International Avg.</b>	<b>86 (0.2)</b>	
Denmark	86 (1.6)	▲
New Zealand	83 (1.5)	▲
Bahrain	83 (1.9)	▲
Chile	82 (1.3)	▼
United Arab Emirates	82 (0.9)	▼
Cyprus	81 (1.7)	▼
Indonesia	80 (1.8)	▼
Oman	79 (1.1)	▼
Qatar	76 (1.9)	▼
Saudi Arabia	71 (1.7)	▼
Iran, Islamic Rep. of	69 (3.3)	▼
Kuwait	66 (2.1)	▼
Georgia	65 (2.2)	▼
Morocco	63 (2.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	95 (1.4)	▲
Quebec, Canada	94 (1.5)	▲
Ontario, Canada	92 (1.2)	▲
Dubai, UAE	88 (1.2)	▲
Norway (4)	80 (2.2)	▼
Abu Dhabi, UAE	76 (2.0)	▼
Buenos Aires, Argentina	59 (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**

**S06\_08D (S051188D): Energy used by people: sand**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	95 (0.8)	▲
Finland	93 (1.2)	▲
Northern Ireland	92 (1.2)	▲
Hong Kong SAR	92 (1.4)	▲
Czech Republic	91 (1.3)	▲
Poland	90 (1.7)	▲
Slovenia	90 (1.3)	▲
Japan	90 (1.4)	▲
Korea, Rep. of	90 (1.3)	▲
United States	89 (1.0)	▲
Lithuania	89 (1.5)	▲
Slovak Republic	88 (1.4)	▲
Portugal	88 (1.6)	▲
Chinese Taipei	88 (1.6)	▲
Netherlands	88 (1.5)	▲
Italy	87 (1.6)	▲
Hungary	87 (1.6)	▲
Canada	87 (1.1)	▲
England	86 (1.6)	▲
Spain	86 (1.8)	▲
Belgium (Flemish)	86 (1.4)	▲
Ireland	86 (2.0)	▲
Croatia	86 (2.1)	▲
Russian Federation	85 (1.4)	▲
Germany	85 (1.7)	
Serbia	84 (2.1)	
Sweden	84 (2.0)	
Bulgaria	83 (2.2)	
Denmark	83 (1.6)	
Norway (5)	83 (1.6)	
France	83 (1.6)	
Australia	83 (1.7)	
<b>International Avg.</b>	<b>82 (0.3)</b>	
Kazakhstan	81 (1.6)	
Turkey	78 (1.6)	▼
New Zealand	78 (1.7)	▼
Chile	77 (1.7)	▼
United Arab Emirates	76 (1.1)	▼
Bahrain	75 (2.2)	▼
Cyprus	74 (2.1)	▼
Qatar	73 (2.0)	▼
Oman	71 (1.1)	▼
Indonesia	63 (2.5)	▼
Iran, Islamic Rep. of	62 (3.3)	▼
Georgia	61 (2.5)	▼
Kuwait	57 (2.1)	▼
Saudi Arabia	56 (2.2)	▼
Morocco	53 (2.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	89 (1.7)	▲
Quebec, Canada	87 (2.4)	▲
Ontario, Canada	87 (1.5)	▲
Dubai, UAE	86 (0.9)	▲
Norway (4)	76 (2.1)	▼
Abu Dhabi, UAE	70 (2.6)	▼
Buenos Aires, Argentina	50 (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**

**S06\_08E (S051188E): Energy used by people: water**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	92 (1.1)	▲
Norway (5)	86 (1.8)	▲
Serbia	86 (2.0)	▲
Hong Kong SAR	85 (2.1)	▲
Slovenia	85 (1.6)	▲
Finland	84 (1.9)	▲
Sweden	84 (1.6)	▲
Japan	81 (1.7)	▲
Croatia	81 (2.3)	▲
Slovak Republic	79 (1.6)	▲
Belgium (Flemish)	78 (1.7)	▲
Italy	77 (2.1)	▲
Hungary	75 (1.9)	▲
Korea, Rep. of	75 (1.8)	▲
France	75 (2.1)	▲
Denmark	75 (1.8)	▲
Germany	74 (1.8)	▲
Portugal	74 (1.9)	▲
Canada	73 (1.4)	▲
Georgia	73 (2.1)	
Czech Republic	73 (2.0)	
Poland	72 (2.3)	
Ireland	71 (2.6)	
Netherlands	71 (2.4)	
Kazakhstan	71 (2.4)	
Cyprus	71 (1.9)	
Lithuania	71 (2.1)	
<b>International Avg.</b>	<b>69 (0.3)</b>	
Spain	69 (1.8)	
Northern Ireland	69 (2.6)	
New Zealand	68 (1.8)	
Bulgaria	67 (2.5)	
United States	66 (1.2)	▼
Oman	64 (1.6)	▼
Indonesia	63 (2.3)	▼
Russian Federation	62 (2.5)	▼
United Arab Emirates	61 (1.5)	▼
Turkey	61 (1.9)	▼
Australia	58 (2.5)	▼
England	57 (2.2)	▼
Qatar	57 (2.3)	▼
Chile	56 (2.1)	▼
Morocco	56 (2.3)	▼
Bahrain	54 (2.5)	▼
Kuwait	46 (2.6)	▼
Iran, Islamic Rep. of	45 (2.8)	▼
Saudi Arabia	44 (2.7)	▼
Singapore	34 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	86 (2.6)	▲
Norway (4)	78 (2.6)	▲
Ontario, Canada	70 (2.2)	
Dubai, UAE	70 (1.4)	
Florida, US	69 (2.7)	
Abu Dhabi, UAE	53 (2.4)	▼
Buenos Aires, Argentina	38 (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**

**S06\_08Z (S051188Z): Energy used by people (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Finland	70 (2.2)	▲
Hong Kong SAR	69 (2.8)	▲
Chinese Taipei	66 (2.2)	▲
Serbia	65 (2.2)	▲
Sweden	61 (2.4)	▲
Slovenia	60 (2.0)	▲
Norway (5)	59 (2.2)	▲
Croatia	59 (2.9)	▲
Slovak Republic	58 (2.1)	▲
Hungary	57 (2.4)	▲
Korea, Rep. of	56 (2.2)	▲
Netherlands	56 (3.0)	▲
Belgium (Flemish)	55 (2.3)	▲
Denmark	55 (2.4)	▲
Czech Republic	54 (2.1)	▲
Germany	54 (2.6)	▲
Japan	53 (2.0)	▲
Canada	52 (1.6)	▲
Italy	52 (2.3)	▲
Bulgaria	51 (2.7)	▲
Poland	50 (2.4)	
Ireland	50 (2.8)	
France	50 (2.7)	
United States	49 (1.5)	▲
Northern Ireland	47 (3.1)	
Lithuania	46 (2.5)	
Portugal	46 (2.3)	
Cyprus	46 (2.3)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Indonesia	45 (2.2)	
Spain	45 (2.4)	
New Zealand	44 (1.9)	
Kazakhstan	43 (2.5)	
Russian Federation	42 (1.9)	
Australia	38 (2.3)	▼
Oman	37 (1.6)	▼
Chile	35 (1.8)	▼
England	33 (2.0)	▼
United Arab Emirates	33 (1.3)	▼
Turkey	33 (1.7)	▼
Qatar	26 (2.1)	▼
Bahrain	25 (2.1)	▼
Iran, Islamic Rep. of	25 (2.4)	▼
Singapore	22 (1.5)	▼
Georgia	21 (2.2)	▼
Saudi Arabia	16 (1.8)	▼
Morocco	15 (1.7)	▼
Kuwait	10 (1.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	64 (3.2)	▲
Florida, US	53 (2.8)	▲
Ontario, Canada	48 (2.2)	
Dubai, UAE	47 (1.8)	
Norway (4)	47 (2.4)	
Abu Dhabi, UAE	23 (2.3)	▼
Buenos Aires, Argentina	19 (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**

**S06\_10 (S051201): Sweater around bottle of water**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Finland	67 (2.2)	▲
England	62 (2.0)	▲
Singapore	60 (2.0)	▲
Northern Ireland	59 (3.0)	▲
Ireland	59 (2.4)	▲
Lithuania	53 (2.8)	▲
Sweden	52 (2.2)	▲
Kazakhstan	52 (2.3)	▲
Spain	52 (2.1)	▲
Portugal	51 (2.2)	▲
Australia	51 (2.0)	▲
Bulgaria	50 (2.8)	▲
Norway (5)	50 (2.3)	▲
Poland	50 (2.5)	▲
United States	50 (1.4)	▲
Russian Federation	49 (2.0)	▲
Japan	49 (2.2)	▲
Denmark	49 (2.3)	▲
Netherlands	48 (2.6)	▲
Canada	48 (2.0)	▲
Slovenia	47 (2.0)	▲
New Zealand	47 (1.9)	▲
Belgium (Flemish)	47 (1.9)	▲
Croatia	47 (2.8)	▲
Hungary	46 (2.3)	▲
Serbia	46 (2.5)	▲
Slovak Republic	44 (2.1)	
Germany	43 (2.2)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
Cyprus	41 (1.9)	
Czech Republic	39 (2.0)	
Chile	39 (2.2)	
Italy	39 (2.2)	
Turkey	39 (2.0)	
Korea, Rep. of	36 (1.8)	▼
Bahrain	32 (2.1)	▼
France	31 (2.2)	▼
Georgia	29 (2.1)	▼
Chinese Taipei	28 (2.1)	▼
Saudi Arabia	28 (2.0)	▼
Hong Kong SAR	27 (1.9)	▼
Iran, Islamic Rep. of	26 (2.1)	▼
United Arab Emirates	21 (1.0)	▼
Qatar	18 (1.7)	▼
Oman	14 (1.0)	▼
Indonesia	12 (1.4)	▼
Morocco	11 (1.3)	▼
Kuwait	9 (1.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	50 (3.8)	▲
Ontario, Canada	50 (2.5)	▲
Quebec, Canada	44 (3.8)	
Norway (4)	37 (2.4)	
Dubai, UAE	32 (1.4)	▼
Buenos Aires, Argentina	24 (2.0)	▼
Abu Dhabi, UAE	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**

**S06\_11 (S051102): Direction water flows**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	82 (1.7)	▲
Poland	82 (1.6)	▲
Chinese Taipei	81 (1.8)	▲
Czech Republic	79 (1.6)	▲
Japan	79 (1.8)	▲
Hong Kong SAR	76 (2.1)	▲
Slovak Republic	76 (1.8)	▲
Italy	75 (2.0)	▲
Spain	74 (2.3)	▲
Norway (5)	74 (2.2)	▲
Netherlands	73 (2.2)	▲
Russian Federation	72 (2.2)	▲
Bulgaria	71 (2.3)	▲
Croatia	69 (2.3)	▲
Kazakhstan	68 (2.1)	▲
Germany	68 (2.4)	▲
Cyprus	67 (1.7)	▲
Sweden	67 (2.2)	▲
France	67 (2.3)	▲
Portugal	66 (2.4)	▲
Hungary	66 (2.0)	▲
Ireland	66 (2.7)	▲
Serbia	65 (2.7)	
Belgium (Flemish)	64 (1.8)	▲
Georgia	64 (2.7)	
Slovenia	63 (2.6)	
<b>International Avg.</b>	<b>61 (0.3)</b>	
United States	59 (1.5)	
Northern Ireland	58 (2.4)	
New Zealand	57 (1.9)	
England	57 (2.2)	
Iran, Islamic Rep. of	55 (2.6)	▼
Finland	55 (2.6)	▼
Canada	53 (1.8)	▼
Australia	53 (2.3)	▼
Lithuania	52 (2.4)	▼
Denmark	51 (2.4)	▼
Singapore	49 (1.7)	▼
Chile	49 (2.1)	▼
Turkey	47 (1.9)	▼
United Arab Emirates	45 (1.3)	▼
Oman	45 (1.5)	▼
Indonesia	44 (2.3)	▼
Bahrain	38 (2.1)	▼
Qatar	36 (3.0)	▼
Morocco	34 (2.4)	▼
Saudi Arabia	31 (2.1)	▼
Kuwait	29 (2.3)	▼
<b>Benchmarking Participants</b>		
Norway (4)	62 (2.5)	
Quebec, Canada	62 (4.0)	
Dubai, UAE	57 (2.0)	
Florida, US	54 (3.4)	
Ontario, Canada	46 (2.4)	▼
Abu Dhabi, UAE	37 (2.4)	▼
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**

**S06\_12 (S051095): Air inside the balloon**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	84 (1.7)	▲
Lithuania	80 (2.2)	▲
Kazakhstan	77 (2.0)	▲
Japan	77 (1.8)	▲
Portugal	77 (1.9)	▲
Russian Federation	74 (2.0)	▲
Slovenia	73 (2.0)	▲
Cyprus	71 (1.7)	▲
Belgium (Flemish)	70 (1.9)	▲
Sweden	69 (2.1)	▲
Norway (5)	68 (2.3)	▲
Spain	68 (2.1)	▲
Hungary	68 (2.2)	▲
Serbia	68 (2.3)	▲
Netherlands	67 (2.0)	▲
New Zealand	66 (1.9)	▲
Italy	66 (2.5)	▲
France	66 (2.2)	▲
Croatia	64 (2.8)	
Chile	63 (2.3)	▲
Czech Republic	63 (2.3)	▲
England	63 (2.1)	▲
Australia	62 (2.1)	▲
Poland	61 (2.6)	
Canada	61 (1.5)	
Northern Ireland	60 (2.3)	
Hong Kong SAR	60 (2.6)	
Germany	60 (2.0)	
Finland	60 (2.3)	
Slovak Republic	59 (2.3)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Ireland	58 (2.3)	
Turkey	58 (2.5)	
United States	58 (1.2)	
Singapore	57 (1.8)	
Denmark	53 (2.6)	▼
Chinese Taipei	53 (2.6)	▼
Bulgaria	46 (3.2)	▼
Iran, Islamic Rep. of	43 (2.7)	▼
Georgia	42 (2.2)	▼
Bahrain	41 (2.1)	▼
Oman	39 (1.4)	▼
United Arab Emirates	39 (1.4)	▼
Saudi Arabia	36 (2.3)	▼
Qatar	34 (1.6)	▼
Indonesia	31 (2.2)	▼
Morocco	20 (2.2)	▼
Kuwait	10 (1.3)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	68 (3.4)	▲
Florida, US	60 (2.9)	
Ontario, Canada	60 (1.9)	
Norway (4)	58 (2.3)	
Dubai, UAE	54 (1.8)	▼
Buenos Aires, Argentina	44 (2.4)	▼
Abu Dhabi, UAE	30 (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**

**S07\_01 (S041027): Ecosystem and name of animal**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	97 (0.7)	▲
Australia	97 (0.9)	▲
Poland	97 (0.8)	▲
United States	97 (0.4)	▲
Czech Republic	96 (0.8)	▲
Hong Kong SAR	96 (0.8)	▲
Lithuania	96 (0.9)	▲
Singapore	96 (0.7)	▲
Hungary	96 (0.9)	▲
Croatia	96 (1.1)	▲
England	95 (1.0)	▲
Netherlands	95 (1.3)	▲
Finland	94 (1.0)	▲
Germany	94 (0.9)	▲
Chinese Taipei	94 (1.0)	▲
Northern Ireland	94 (1.3)	▲
Norway (5)	94 (1.0)	▲
Canada	94 (0.9)	▲
Sweden	93 (1.3)	▲
New Zealand	93 (0.8)	▲
Ireland	93 (1.2)	▲
Spain	93 (1.0)	▲
Korea, Rep. of	92 (1.2)	▲
Denmark	92 (1.1)	▲
Slovak Republic	92 (1.3)	▲
Belgium (Flemish)	91 (1.1)	▲
France	91 (1.4)	▲
Bulgaria	91 (1.8)	▲
Italy	91 (1.2)	▲
Slovenia	89 (1.3)	▲
Serbia	89 (1.4)	▲
Russian Federation	87 (1.4)	
Cyprus	86 (1.4)	
<b>International Avg.</b>	<b>86 (0.2)</b>	
Chile	85 (1.7)	
Kazakhstan	84 (1.7)	
Georgia	84 (1.9)	
Portugal	81 (1.8)	▼
United Arab Emirates	74 (1.0)	▼
Qatar	73 (2.0)	▼
Oman	72 (1.5)	▼
Turkey	71 (1.8)	▼
Iran, Islamic Rep. of	70 (2.5)	▼
Bahrain	65 (2.1)	▼
Indonesia	61 (2.4)	▼
Saudi Arabia	59 (2.3)	▼
Kuwait	52 (2.3)	▼
Morocco	45 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	96 (1.4)	▲
Ontario, Canada	95 (0.8)	▲
Quebec, Canada	93 (1.7)	▲
Norway (4)	89 (2.0)	
Dubai, UAE	88 (0.9)	
Buenos Aires, Argentina	79 (2.0)	▼
Abu Dhabi, UAE	65 (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**

**S07\_02 (S041043): How to protect teeth from decay**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Poland	83 (1.8)	▲
Norway (5)	83 (1.6)	▲
Korea, Rep. of	83 (1.8)	▲
Serbia	83 (2.0)	▲
Japan	82 (1.9)	▲
Singapore	82 (1.5)	▲
Russian Federation	81 (1.7)	▲
Finland	80 (1.9)	▲
Turkey	80 (1.8)	▲
Chinese Taipei	78 (1.7)	▲
Slovenia	77 (1.8)	▲
Spain	77 (1.7)	▲
Hungary	74 (1.8)	▲
Germany	73 (1.9)	▲
Belgium (Flemish)	73 (1.9)	▲
Czech Republic	73 (2.0)	▲
Hong Kong SAR	72 (2.6)	▲
United States	71 (1.2)	▲
Cyprus	71 (2.0)	▲
Kazakhstan	70 (1.6)	▲
Croatia	69 (2.3)	
Lithuania	69 (2.5)	
Portugal	68 (2.0)	
Ireland	68 (2.8)	
Canada	68 (1.8)	
Sweden	68 (2.1)	
Bulgaria	68 (2.9)	
Italy	67 (2.2)	
Netherlands	67 (2.2)	
Slovak Republic	65 (2.0)	
<b>International Avg.</b>	<b>65 (0.3)</b>	
England	64 (2.0)	
Denmark	63 (2.3)	
Northern Ireland	60 (2.4)	▼
Australia	59 (2.2)	▼
Iran, Islamic Rep. of	58 (2.6)	▼
Chile	55 (2.1)	▼
France	54 (2.5)	▼
Bahrain	50 (3.3)	▼
New Zealand	49 (1.8)	▼
Saudi Arabia	49 (2.5)	▼
Georgia	49 (2.4)	▼
Oman	46 (1.6)	▼
United Arab Emirates	45 (1.4)	▼
Qatar	44 (2.1)	▼
Morocco	34 (2.0)	▼
Indonesia	30 (2.5)	▼
Kuwait	29 (2.1)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	74 (3.2)	▲
Norway (4)	72 (2.2)	▲
Florida, US	72 (3.0)	▲
Ontario, Canada	69 (1.8)	
Dubai, UAE	56 (1.8)	▼
Buenos Aires, Argentina	52 (2.4)	▼
Abu Dhabi, UAE	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**

**S07\_03 (S041050): Classifying item**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Japan	77 (1.8)	▲
Italy	71 (2.3)	▲
Chinese Taipei	68 (2.3)	▲
Poland	67 (2.1)	▲
Portugal	66 (1.9)	▲
Kazakhstan	65 (2.3)	▲
Korea, Rep. of	62 (2.0)	▲
Hong Kong SAR	60 (2.1)	▲
Turkey	60 (1.8)	▲
Russian Federation	59 (2.1)	▲
Spain	59 (2.3)	▲
England	59 (2.1)	▲
Lithuania	57 (2.7)	▲
Germany	56 (2.3)	▲
Netherlands	56 (2.7)	
Singapore	56 (1.8)	▲
Canada	56 (1.4)	▲
Northern Ireland	55 (3.1)	
Slovenia	55 (2.2)	▲
Serbia	55 (2.4)	▲
Czech Republic	55 (2.1)	▲
Croatia	55 (2.6)	
Ireland	53 (2.3)	
Bulgaria	53 (2.5)	
Slovak Republic	53 (1.9)	
Finland	52 (2.8)	
Australia	51 (2.3)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
France	50 (2.5)	
United States	50 (1.4)	
Chile	48 (2.2)	
New Zealand	48 (1.8)	
Norway (5)	47 (2.3)	
Belgium (Flemish)	46 (2.3)	
Sweden	46 (2.5)	
Cyprus	44 (2.0)	▼
Denmark	44 (2.4)	▼
Oman	44 (1.7)	▼
Qatar	41 (2.1)	▼
Bahrain	40 (2.6)	▼
United Arab Emirates	40 (1.3)	▼
Hungary	40 (2.1)	▼
Saudi Arabia	34 (2.4)	▼
Kuwait	30 (2.5)	▼
Indonesia	29 (2.5)	▼
Morocco	26 (2.2)	▼
Georgia	19 (2.1)	▼
Iran, Islamic Rep. of	18 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	62 (2.7)	▲
Ontario, Canada	56 (2.2)	▲
Dubai, UAE	48 (2.1)	
Norway (4)	46 (2.6)	
Florida, US	45 (2.8)	
Buenos Aires, Argentina	42 (2.5)	▼
Abu Dhabi, UAE	34 (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**

**S07\_04 (S041070): Why shadow forms**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Singapore	89 (1.1)	▲
Japan	78 (1.8)	▲
Korea, Rep. of	78 (1.9)	▲
England	70 (2.1)	▲
Chinese Taipei	69 (1.9)	▲
Lithuania	67 (2.6)	▲
Russian Federation	67 (2.4)	▲
Hungary	67 (2.5)	▲
United States	66 (1.2)	▲
Northern Ireland	65 (3.0)	▲
Ireland	64 (3.0)	▲
Netherlands	64 (2.4)	▲
Chile	64 (2.0)	▲
Cyprus	63 (2.1)	▲
Australia	62 (2.0)	▲
Kazakhstan	62 (2.6)	▲
New Zealand	61 (1.7)	▲
Germany	61 (2.2)	▲
Canada	60 (1.6)	▲
Slovak Republic	59 (2.3)	▲
Sweden	57 (2.3)	
Czech Republic	57 (2.2)	
Hong Kong SAR	56 (2.3)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
Spain	53 (2.2)	
Denmark	53 (2.5)	
Finland	52 (2.4)	
Slovenia	52 (1.8)	
Portugal	50 (2.2)	
Norway (5)	49 (2.4)	
Iran, Islamic Rep. of	48 (3.1)	
Poland	47 (2.3)	▼
Turkey	47 (2.1)	▼
Indonesia	47 (2.4)	▼
Serbia	46 (2.7)	▼
Italy	45 (2.4)	▼
Belgium (Flemish)	45 (1.9)	▼
United Arab Emirates	44 (1.2)	▼
Bulgaria	40 (2.6)	▼
Qatar	35 (2.0)	▼
Croatia	34 (2.6)	▼
France	34 (2.4)	▼
Morocco	34 (2.2)	▼
Kuwait	30 (2.3)	▼
Georgia	29 (2.2)	▼
Oman	28 (1.7)	▼
Bahrain	26 (2.3)	▼
Saudi Arabia	20 (1.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	62 (2.2)	▲
Florida, US	59 (3.3)	
Dubai, UAE	58 (2.4)	▲
Buenos Aires, Argentina	54 (2.9)	
Quebec, Canada	50 (3.1)	
Norway (4)	46 (2.5)	▼
Abu Dhabi, UAE	34 (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**

**S07\_05 (S041006): A tree and lion are living**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	79 (1.6) ▲	92 (1.0) ▲
Croatia	44 (2.5) ▲	79 (2.4) ▲
Serbia	43 (2.0) ▲	71 (2.2) ▲
Bulgaria	37 (2.8) ▲	72 (2.7) ▲
Russian Federation	37 (2.6) ▲	68 (2.2) ▲
Hong Kong SAR	32 (2.7) ▲	68 (2.1) ▲
Slovak Republic	31 (2.0) ▲	63 (2.2) ▲
Czech Republic	30 (2.0) ▲	66 (2.1) ▲
Italy	28 (2.2) ▲	64 (2.4) ▲
Oman	25 (1.5) ▲	47 (1.4) ▼
Georgia	24 (2.2)	50 (2.8)
Slovenia	24 (2.3)	63 (2.1) ▲
England	24 (1.9)	69 (1.9) ▲
Hungary	22 (1.8)	58 (2.4)
Iran, Islamic Rep. of	22 (2.1)	45 (2.3) ▼
Australia	22 (1.9)	65 (2.6) ▲
United Arab Emirates	22 (1.0)	49 (1.3) ▼
<b>International Avg.</b>	<b>22 (0.3)</b>	<b>55 (0.3)</b>
Poland	22 (1.9)	52 (2.4)
Chinese Taipei	21 (1.8)	59 (2.2)
Kazakhstan	20 (2.0)	59 (2.8)
Turkey	19 (1.6)	52 (2.0)
Bahrain	19 (1.7)	49 (2.7) ▼
Portugal	19 (1.8)	54 (2.0)
Canada	19 (1.3)	64 (1.6) ▲
United States	19 (1.2) ▼	69 (1.3) ▲
Spain	18 (1.5) ▼	51 (1.9) ▼
Japan	18 (1.5) ▼	58 (2.2)
Northern Ireland	18 (1.8) ▼	58 (2.4)
Korea, Rep. of	17 (1.5) ▼	66 (2.0) ▲
Chile	17 (1.7) ▼	55 (2.2)
Ireland	17 (2.1) ▼	60 (2.4) ▲
Sweden	16 (1.7) ▼	63 (2.5) ▲
Norway (5)	16 (1.7) ▼	58 (2.3)
New Zealand	16 (1.8) ▼	54 (2.0)
Qatar	16 (1.8) ▼	42 (2.3) ▼
Lithuania	16 (2.0) ▼	48 (2.6) ▼
Cyprus	16 (1.8) ▼	50 (2.3) ▼
Morocco	14 (2.1) ▼	24 (2.3) ▼
France	14 (2.0) ▼	41 (2.5) ▼
Finland	13 (1.6) ▼	59 (2.1) ▲
Belgium (Flemish)	12 (1.4) ▼	48 (2.5) ▼
Kuwait	11 (1.4) ▼	28 (2.1) ▼
Saudi Arabia	11 (1.4) ▼	33 (2.2) ▼
Germany	11 (1.1) ▼	40 (2.5) ▼
Denmark	11 (1.4) ▼	44 (2.4) ▼
Netherlands	9 (1.4) ▼	45 (2.4) ▼
Indonesia	5 (1.1) ▼	30 (2.3) ▼
<b>Benchmarking Participants</b>		
Dubai, UAE	33 (1.7) ▲	66 (1.5) ▲
Florida, US	28 (2.8) ▲	76 (3.0) ▲
Ontario, Canada	19 (1.5)	67 (2.1) ▲
Quebec, Canada	18 (2.1)	57 (3.0)
Buenos Aires, Argentina	15 (2.1) ▼	39 (3.2) ▼
Abu Dhabi, UAE	14 (1.8) ▼	39 (2.5) ▼
Norway (4)	13 (1.7) ▼	45 (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**

**S07\_06 (S041052): Which one is a solid**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	96 (0.9)	▲
Hong Kong SAR	95 (1.1)	▲
Serbia	94 (1.3)	▲
Lithuania	92 (1.4)	▲
Bulgaria	92 (1.4)	▲
Slovenia	91 (1.2)	▲
Russian Federation	90 (1.3)	▲
Kazakhstan	90 (1.3)	▲
Chinese Taipei	89 (1.4)	▲
Japan	89 (1.2)	▲
Italy	89 (1.5)	▲
Singapore	89 (1.1)	▲
England	88 (1.4)	▲
Turkey	86 (1.3)	▲
France	86 (1.4)	▲
Croatia	85 (1.8)	▲
United States	85 (0.9)	▲
Australia	84 (1.5)	▲
Canada	83 (1.2)	▲
Hungary	82 (2.2)	▲
Portugal	79 (1.6)	
Slovak Republic	79 (1.9)	
Bahrain	78 (3.3)	
Germany	78 (1.8)	
Sweden	77 (2.9)	
Czech Republic	77 (1.8)	
International Avg.	76 (0.3)	
Ireland	76 (2.2)	
Georgia	75 (2.4)	
United Arab Emirates	75 (1.1)	
Northern Ireland	74 (2.4)	
Spain	74 (2.4)	
Cyprus	73 (1.9)	▼
Qatar	72 (1.8)	▼
Finland	72 (2.4)	
Chile	72 (1.9)	▼
New Zealand	71 (1.6)	▼
Oman	69 (1.6)	▼
Saudi Arabia	67 (2.2)	▼
Indonesia	67 (2.3)	▼
Iran, Islamic Rep. of	66 (2.8)	▼
Poland	64 (2.5)	▼
Kuwait	59 (2.9)	▼
Denmark	56 (2.5)	▼
Morocco	52 (2.2)	▼
Norway (5)	43 (2.3)	▼
Netherlands	34 (2.2)	▼
Belgium (Flemish)	32 (2.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	89 (2.3)	▲
Quebec, Canada	89 (2.6)	▲
Dubai, UAE	86 (1.1)	▲
Ontario, Canada	83 (1.5)	▲
Abu Dhabi, UAE	65 (2.1)	▼
Buenos Aires, Argentina	55 (2.9)	▼
Norway (4)	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**

**S07\_07 (S041301): Importance of drinking water**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Northern Ireland	59 (2.7)	▲
Japan	57 (2.1)	▲
Hungary	57 (2.2)	▲
Australia	55 (2.6)	▲
Ireland	55 (2.4)	▲
Finland	53 (2.2)	▲
England	52 (2.4)	▲
Singapore	52 (1.8)	▲
Netherlands	49 (2.4)	▲
Canada	49 (1.5)	▲
New Zealand	48 (2.2)	▲
Poland	47 (2.1)	▲
United States	47 (1.3)	▲
Chinese Taipei	44 (2.2)	▲
Spain	44 (2.2)	▲
Germany	42 (2.2)	▲
Bulgaria	41 (2.8)	▲
Sweden	40 (2.1)	▲
Belgium (Flemish)	38 (1.8)	▲
Russian Federation	35 (2.8)	
<b>International Avg.</b>	<b>33 (0.3)</b>	
Chile	31 (2.0)	
Croatia	31 (2.5)	
Slovak Republic	31 (2.0)	
Slovenia	31 (2.1)	
Hong Kong SAR	30 (2.1)	
Portugal	30 (1.8)	
France	30 (2.4)	
Norway (5)	29 (2.6)	
Kazakhstan	29 (2.3)	
Czech Republic	29 (1.8)	▼
Cyprus	28 (2.0)	▼
Bahrain	25 (2.0)	▼
Serbia	24 (2.0)	▼
Denmark	23 (2.5)	▼
Italy	22 (1.7)	▼
United Arab Emirates	20 (0.9)	▼
Lithuania	20 (2.1)	▼
Turkey	19 (1.4)	▼
Indonesia	17 (2.1)	▼
Qatar	15 (1.6)	▼
Oman	15 (1.2)	▼
Korea, Rep. of	14 (1.6)	▼
Georgia	12 (1.9)	▼
Kuwait	9 (1.6)	▼
Saudi Arabia	9 (1.4)	▼
Iran, Islamic Rep. of	7 (1.2)	▼
Morocco	4 (0.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	58 (3.3)	▲
Florida, US	48 (3.0)	▲
Ontario, Canada	46 (2.0)	▲
Buenos Aires, Argentina	36 (3.0)	
Dubai, UAE	35 (1.2)	
Norway (4)	18 (1.9)	▼
Abu Dhabi, UAE	14 (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**

**S07\_09 (S041033): Physical change- mammals in winter**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Poland	55 (2.0)	▲
Bulgaria	45 (3.0)	▲
Norway (5)	41 (2.3)	▲
Japan	40 (2.2)	▲
Kazakhstan	40 (3.4)	▲
Finland	39 (2.4)	▲
Canada	38 (1.7)	▲
United States	38 (1.5)	▲
Russian Federation	37 (2.1)	▲
Netherlands	36 (2.1)	▲
Singapore	35 (1.9)	▲
Slovenia	34 (2.2)	▲
Belgium (Flemish)	34 (2.1)	▲
Italy	33 (2.0)	▲
Croatia	32 (2.4)	▲
Denmark	31 (2.2)	▲
England	31 (2.2)	▲
Hong Kong SAR	30 (2.1)	▲
Chinese Taipei	30 (1.9)	▲
Hungary	30 (1.7)	▲
Sweden	30 (2.0)	▲
Germany	29 (2.2)	
Australia	28 (2.6)	
Ireland	27 (2.8)	
Northern Ireland	27 (1.9)	
<b>International Avg.</b>	<b>26 (0.3)</b>	
Korea, Rep. of	25 (1.7)	
Czech Republic	24 (1.7)	
New Zealand	23 (1.7)	
Georgia	23 (2.0)	
France	22 (2.3)	
Serbia	21 (1.8)	▼
Bahrain	21 (2.0)	▼
Lithuania	18 (1.9)	▼
Slovak Republic	18 (1.7)	▼
Portugal	17 (1.3)	▼
United Arab Emirates	17 (1.0)	▼
Turkey	16 (1.4)	▼
Spain	13 (1.3)	▼
Cyprus	12 (1.1)	▼
Oman	12 (1.2)	▼
Chile	10 (1.3)	▼
Kuwait	9 (2.1)	▼
Qatar	9 (1.3)	▼
Saudi Arabia	7 (1.0)	▼
Iran, Islamic Rep. of	5 (1.1)	▼
Morocco	4 (0.9)	▼
Indonesia	2 (0.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	50 (3.0)	▲
Ontario, Canada	35 (2.2)	▲
Florida, US	35 (3.6)	▲
Norway (4)	26 (2.3)	
Dubai, UAE	26 (1.3)	
Abu Dhabi, UAE	14 (2.0)	▼
Buenos Aires, Argentina	9 (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**

**S07\_11 (S041077): Label the poles on the top magnet**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	90 (1.3)	▲
Japan	84 (1.5)	▲
Korea, Rep. of	82 (1.9)	▲
Chinese Taipei	72 (2.1)	▲
Russian Federation	68 (2.3)	▲
Hong Kong SAR	60 (2.0)	▲
Kazakhstan	58 (3.0)	▲
Slovak Republic	57 (2.1)	▲
Slovenia	57 (2.1)	▲
Finland	54 (2.6)	▲
England	53 (2.1)	▲
United States	49 (1.6)	▲
Czech Republic	49 (2.7)	▲
Hungary	48 (2.3)	▲
Sweden	47 (2.5)	
Lithuania	46 (2.9)	
Norway (5)	46 (2.2)	
Canada	45 (1.7)	
Germany	45 (2.4)	
Ireland	43 (2.6)	
Serbia	43 (2.7)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Spain	43 (1.8)	
Netherlands	43 (2.1)	
Belgium (Flemish)	41 (2.3)	
Australia	40 (1.9)	
United Arab Emirates	39 (1.3)	▼
Bulgaria	38 (2.4)	
Poland	38 (2.3)	▼
Turkey	37 (1.9)	▼
Northern Ireland	37 (3.3)	
Croatia	36 (1.9)	▼
New Zealand	36 (1.8)	▼
Portugal	35 (2.0)	▼
Italy	35 (2.7)	▼
Iran, Islamic Rep. of	33 (2.5)	▼
Bahrain	32 (2.5)	▼
Oman	32 (1.5)	▼
Qatar	29 (2.3)	▼
Cyprus	27 (2.1)	▼
Georgia	26 (2.6)	▼
France	26 (2.2)	▼
Kuwait	25 (2.2)	▼
Denmark	23 (2.0)	▼
Saudi Arabia	18 (2.1)	▼
Chile	18 (1.7)	▼
Morocco	18 (2.2)	▼
Indonesia	16 (1.9)	▼
<b>Benchmarking Participants</b>		
Florida, US	58 (3.6)	▲
Dubai, UAE	53 (1.6)	▲
Ontario, Canada	45 (2.2)	
Quebec, Canada	44 (3.3)	
Abu Dhabi, UAE	33 (2.3)	▼
Norway (4)	25 (1.8)	▼
Buenos Aires, Argentina	20 (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**

**S07\_12 (S041209): Time Earth orbits the sun once**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Sweden	66 (3.0)	▲
Bulgaria	66 (2.6)	▲
Spain	59 (2.1)	▲
Korea, Rep. of	58 (2.1)	▲
Norway (5)	56 (2.5)	▲
Russian Federation	56 (1.8)	▲
United States	53 (1.3)	▲
England	52 (2.3)	▲
Poland	50 (2.5)	▲
Czech Republic	50 (2.4)	▲
Ireland	50 (2.8)	▲
Croatia	49 (2.9)	
Hungary	49 (2.4)	▲
Slovenia	49 (2.6)	▲
Australia	49 (2.5)	
Denmark	48 (2.4)	
Portugal	48 (2.2)	▲
Italy	48 (2.6)	
Chinese Taipei	48 (2.3)	
Kazakhstan	47 (2.5)	
Hong Kong SAR	47 (2.2)	
Netherlands	46 (2.4)	
France	46 (2.4)	
Iran, Islamic Rep. of	46 (2.6)	
Finland	46 (2.4)	
Germany	46 (2.3)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Northern Ireland	44 (2.8)	
Slovak Republic	43 (2.2)	
Lithuania	43 (2.5)	
Cyprus	42 (2.3)	
Bahrain	42 (2.9)	
Turkey	41 (2.2)	
United Arab Emirates	40 (1.5)	▼
Japan	40 (1.9)	▼
Canada	40 (1.6)	▼
Belgium (Flemish)	39 (2.7)	
Georgia	37 (2.9)	▼
Kuwait	37 (2.4)	▼
New Zealand	36 (1.7)	▼
Qatar	35 (2.0)	▼
Serbia	33 (2.5)	▼
Singapore	32 (1.8)	▼
Chile	30 (2.0)	▼
Oman	29 (1.7)	▼
Saudi Arabia	29 (2.0)	▼
Morocco	13 (1.8)	▼
Indonesia	12 (1.5)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	54 (2.0)	▲
Florida, US	54 (2.8)	▲
Quebec, Canada	53 (3.6)	▲
Norway (4)	52 (2.3)	▲
Abu Dhabi, UAE	34 (2.3)	▼
Ontario, Canada	34 (2.1)	▼
Buenos Aires, Argentina	33 (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**

**S07\_13 (S041081): Two things make up crust**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Norway (5)	52 (2.1) ▲	76 (1.9) ▲
Finland	50 (2.4) ▲	65 (2.3) ▲
Ireland	45 (3.1) ▲	70 (2.3) ▲
Australia	43 (2.3) ▲	64 (2.0) ▲
United States	41 (1.4) ▲	68 (1.2) ▲
Germany	40 (2.1) ▲	60 (2.0) ▲
Belgium (Flemish)	39 (2.0) ▲	66 (1.9) ▲
Denmark	39 (2.2) ▲	68 (2.2) ▲
Netherlands	39 (2.6) ▲	67 (2.6) ▲
Sweden	38 (2.3) ▲	66 (2.0) ▲
Northern Ireland	37 (2.5) ▲	63 (2.2) ▲
Russian Federation	37 (2.5) ▲	71 (2.1) ▲
New Zealand	37 (1.6) ▲	61 (1.7) ▲
Bulgaria	36 (3.0) ▲	50 (3.4)
Croatia	33 (2.3) ▲	49 (2.5)
Slovenia	32 (2.3) ▲	50 (2.4)
Lithuania	32 (2.5)	49 (2.5)
Hong Kong SAR	32 (3.0)	60 (2.4) ▲
Hungary	31 (1.8)	52 (2.1)
Czech Republic	31 (2.3)	55 (2.5) ▲
Singapore	30 (1.8)	57 (2.0) ▲
Turkey	30 (1.8)	65 (2.1) ▲
Korea, Rep. of	29 (2.0)	53 (2.3) ▲
Japan	29 (1.8)	53 (2.1) ▲
Canada	29 (1.2)	61 (1.6) ▲
<b>International Avg.</b>	<b>28 (0.3)</b>	<b>48 (0.3)</b>
Portugal	27 (1.7)	46 (2.0)
Chinese Taipei	26 (1.7)	29 (1.9) ▼
Cyprus	26 (1.7)	35 (2.0) ▼
Spain	26 (2.1)	40 (2.2) ▼
Poland	26 (2.3)	49 (2.4)
England	25 (2.0)	61 (2.3) ▲
Serbia	24 (2.4)	43 (3.1)
Italy	22 (2.5) ▼	48 (2.7)
Kazakhstan	21 (2.1) ▼	63 (2.2) ▲
Bahrain	21 (2.1) ▼	35 (2.0) ▼
Oman	20 (1.2) ▼	33 (1.6) ▼
Slovak Republic	18 (1.7) ▼	28 (2.0) ▼
Chile	18 (1.7) ▼	29 (1.9) ▼
United Arab Emirates	17 (1.0) ▼	33 (1.2) ▼
Qatar	15 (1.5) ▼	29 (2.1) ▼
Saudi Arabia	14 (1.8) ▼	22 (2.2) ▼
Georgia	13 (1.8) ▼	22 (2.2) ▼
France	13 (1.7) ▼	33 (2.3) ▼
Kuwait	12 (2.0) ▼	20 (2.4) ▼
Iran, Islamic Rep. of	6 (1.2) ▼	14 (2.0) ▼
Morocco	5 (1.0) ▼	13 (1.7) ▼
Indonesia	3 (0.9) ▼	10 (1.4) ▼
<b>Benchmarking Participants</b>		
Norway (4)	42 (2.6) ▲	64 (2.8) ▲
Florida, US	36 (4.2)	63 (3.4) ▲
Ontario, Canada	30 (1.8)	61 (1.7) ▲
Dubai, UAE	28 (1.3)	50 (1.6)
Quebec, Canada	25 (2.4)	59 (3.3) ▲
Abu Dhabi, UAE	13 (2.0) ▼	27 (2.2) ▼
Buenos Aires, Argentina	9 (1.5) ▼	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**

**S07\_14 (S041102): In which place will it snow**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Belgium (Flemish)	87 (1.5)	▲
Japan	86 (1.6)	▲
Croatia	85 (1.7)	▲
Finland	85 (1.5)	▲
Poland	82 (1.8)	▲
Czech Republic	81 (2.0)	▲
Northern Ireland	81 (2.6)	▲
Netherlands	81 (1.7)	▲
Norway (5)	80 (1.7)	▲
Korea, Rep. of	79 (2.0)	▲
Slovak Republic	78 (1.6)	▲
Bulgaria	78 (2.4)	▲
Slovenia	78 (1.7)	▲
Ireland	78 (2.1)	▲
Lithuania	77 (1.9)	▲
Hong Kong SAR	76 (2.0)	▲
Spain	74 (1.9)	▲
Canada	74 (1.4)	▲
Hungary	73 (2.3)	▲
Russian Federation	73 (1.5)	▲
Denmark	73 (2.5)	▲
England	73 (1.8)	▲
Serbia	72 (2.2)	▲
Cyprus	71 (2.0)	▲
Sweden	69 (2.5)	
Italy	69 (2.3)	
Portugal	68 (1.8)	
Chinese Taipei	68 (2.2)	
Kazakhstan	68 (2.4)	
United States	67 (1.4)	
France	66 (2.5)	
Australia	66 (2.0)	
<b>International Avg.</b>	<b>66 (0.3)</b>	
Singapore	63 (1.9)	
New Zealand	62 (1.9)	▼
Germany	61 (2.3)	▼
Chile	58 (2.2)	▼
Turkey	57 (1.7)	▼
United Arab Emirates	52 (1.2)	▼
Georgia	48 (2.8)	▼
Qatar	46 (2.4)	▼
Oman	42 (1.5)	▼
Saudi Arabia	40 (2.3)	▼
Bahrain	40 (2.2)	▼
Morocco	38 (2.6)	▼
Kuwait	30 (2.3)	▼
Iran, Islamic Rep. of	30 (2.8)	▼
Indonesia	25 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	82 (2.6)	▲
Ontario, Canada	72 (1.8)	▲
Norway (4)	66 (2.4)	
Dubai, UAE	64 (1.7)	
Florida, US	63 (3.1)	
Buenos Aires, Argentina	46 (2.8)	▼
Abu Dhabi, UAE	44 (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**

**S08\_01 (S061141): Plant produces seeds**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	83 (1.6)	▲
Hungary	77 (1.9)	▲
Russian Federation	77 (2.2)	▲
Japan	76 (1.7)	▲
Chinese Taipei	73 (1.9)	▲
Kazakhstan	71 (2.4)	▲
Poland	71 (2.2)	▲
Finland	71 (2.0)	▲
Italy	70 (2.1)	▲
Czech Republic	68 (1.9)	▲
Korea, Rep. of	68 (2.0)	▲
Serbia	66 (2.5)	▲
Germany	65 (2.2)	▲
Hong Kong SAR	62 (2.2)	▲
United States	62 (1.5)	▲
Lithuania	58 (2.2)	
Slovenia	58 (2.3)	
Portugal	58 (2.1)	
Spain	57 (2.3)	
Croatia	57 (2.5)	
Oman	56 (1.7)	
Slovak Republic	55 (2.1)	
Indonesia	55 (2.7)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
England	54 (2.2)	
Sweden	53 (2.1)	
Bulgaria	53 (3.2)	
Bahrain	52 (2.4)	
New Zealand	50 (2.1)	▼
United Arab Emirates	50 (1.1)	▼
Australia	50 (2.6)	
Morocco	49 (2.6)	▼
Canada	48 (1.7)	▼
Chile	47 (2.1)	▼
Belgium (Flemish)	47 (2.0)	▼
Georgia	47 (3.1)	▼
Denmark	46 (2.1)	▼
Norway (5)	45 (2.5)	▼
Qatar	44 (2.1)	▼
Netherlands	42 (2.4)	▼
Saudi Arabia	40 (2.2)	▼
Northern Ireland	40 (2.5)	▼
Ireland	37 (2.4)	▼
Kuwait	36 (2.4)	▼
Iran, Islamic Rep. of	33 (2.5)	▼
France	29 (2.2)	▼
Turkey	29 (1.9)	▼
Cyprus	22 (1.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	60 (1.6)	▲
Florida, US	60 (3.2)	
Ontario, Canada	51 (1.9)	
Abu Dhabi, UAE	47 (2.5)	▼
Norway (4)	39 (2.8)	▼
Quebec, Canada	37 (3.7)	▼
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**

**S08\_02 (S061023): Arctic animals food chain**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Russian Federation	78 (1.6)	▲
Bulgaria	72 (2.4)	▲
Poland	72 (2.2)	▲
Denmark	69 (2.3)	▲
United States	66 (1.5)	▲
Sweden	64 (2.3)	▲
Spain	64 (2.1)	▲
Norway (5)	64 (2.4)	▲
Korea, Rep. of	62 (2.1)	▲
Czech Republic	61 (2.1)	▲
Canada	59 (1.3)	▲
Lithuania	58 (2.4)	▲
Singapore	56 (1.8)	▲
Hong Kong SAR	56 (2.6)	▲
Hungary	55 (2.1)	▲
Serbia	54 (2.7)	
Portugal	54 (2.6)	
Australia	54 (2.2)	▲
Oman	53 (1.8)	▲
England	52 (2.3)	
Slovenia	51 (2.4)	
France	51 (2.8)	
Finland	50 (2.4)	
Slovak Republic	50 (2.0)	
Germany	50 (2.0)	
Chinese Taipei	50 (2.0)	
Bahrain	49 (2.8)	
<b>International Avg.</b>	<b>49 (0.3)</b>	
Belgium (Flemish)	47 (2.4)	
Cyprus	47 (2.3)	
New Zealand	47 (2.0)	
Kazakhstan	47 (3.1)	
Italy	46 (2.8)	
Ireland	45 (2.4)	
Japan	45 (2.1)	▼
Croatia	45 (2.8)	
Netherlands	44 (2.4)	▼
Chile	43 (2.1)	▼
United Arab Emirates	41 (1.0)	▼
Northern Ireland	41 (2.7)	▼
Morocco	34 (2.3)	▼
Qatar	33 (2.0)	▼
Saudi Arabia	31 (2.1)	▼
Indonesia	25 (2.6)	▼
Kuwait	23 (2.2)	▼
Turkey	21 (1.6)	▼
Georgia	21 (2.3)	▼
Iran, Islamic Rep. of	14 (2.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	66 (3.3)	▲
Ontario, Canada	64 (2.0)	▲
Dubai, UAE	57 (1.7)	▲
Quebec, Canada	56 (3.1)	▲
Norway (4)	48 (2.2)	
Abu Dhabi, UAE	37 (2.2)	▼
Buenos Aires, Argentina	18 (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**

**S08\_03 (S061054): Living thing makes its own food**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	55 (1.8) ▲	97 (0.5) ▲
Korea, Rep. of	48 (2.3) ▲	89 (1.3) ▲
Bahrain	33 (2.5) ▲	84 (1.7) ▲
United States	29 (1.4) ▲	83 (1.2) ▲
Bulgaria	27 (3.0) ▲	84 (2.0) ▲
Poland	27 (2.6) ▲	80 (2.3) ▲
Spain	25 (2.1) ▲	85 (2.1) ▲
United Arab Emirates	25 (1.2) ▲	68 (1.1)
Hong Kong SAR	24 (2.8) ▲	81 (2.2) ▲
Italy	23 (2.1) ▲	81 (2.2) ▲
Serbia	20 (2.0) ▲	80 (2.0) ▲
Canada	19 (1.4) ▲	77 (1.5) ▲
Qatar	19 (1.8) ▲	62 (2.6) ▼
Indonesia	17 (1.9) ▲	55 (2.7) ▼
Oman	15 (1.2) ▲	68 (1.5)
Chile	15 (1.5)	70 (2.1)
Turkey	15 (1.6)	71 (1.6)
<b>International Avg.</b>	<b>13 (0.2)</b>	<b>69 (0.3)</b>
Saudi Arabia	12 (1.4)	58 (2.3) ▼
Kazakhstan	12 (1.8)	57 (3.1) ▼
England	11 (1.3)	65 (1.9)
Kuwait	10 (1.3) ▼	55 (2.5) ▼
Sweden	9 (1.9) ▼	59 (2.5) ▼
Slovenia	8 (1.2) ▼	74 (2.2) ▲
Lithuania	8 (1.5) ▼	77 (2.0) ▲
Russian Federation	8 (1.2) ▼	74 (2.0) ▲
Iran, Islamic Rep. of	7 (1.3) ▼	65 (2.8)
Czech Republic	7 (1.2) ▼	80 (1.8) ▲
Hungary	7 (1.1) ▼	60 (2.4) ▼
Cyprus	7 (1.1) ▼	59 (2.1) ▼
Finland	7 (1.3) ▼	68 (2.1)
Ireland	6 (1.2) ▼	61 (2.5) ▼
Japan	6 (0.9) ▼	55 (2.0) ▼
Australia	6 (1.0) ▼	68 (2.4)
Chinese Taipei	6 (0.9) ▼	73 (1.9) ▲
Northern Ireland	6 (1.2) ▼	62 (3.1) ▼
Slovak Republic	6 (0.8) ▼	65 (1.8) ▼
Denmark	5 (1.1) ▼	50 (2.3) ▼
Norway (5)	4 (1.0) ▼	77 (1.8) ▲
New Zealand	4 (0.6) ▼	60 (2.0) ▼
Georgia	3 (1.3) ▼	45 (3.1) ▼
Portugal	3 (0.7) ▼	68 (2.2)
Netherlands	3 (0.8) ▼	70 (2.5)
Croatia	2 (0.8) ▼	77 (2.1) ▲
France	2 (0.6) ▼	63 (2.2) ▼
Germany	2 (0.5) ▼	67 (2.1)
Morocco	2 (0.5) ▼	50 (2.2) ▼
Belgium (Flemish)	1 (0.5) ▼	60 (1.9) ▼
<b>Benchmarking Participants</b>		
Dubai, UAE	35 (1.5) ▲	82 (1.2) ▲
Florida, US	32 (2.7) ▲	88 (1.9) ▲
Ontario, Canada	26 (2.4) ▲	83 (1.5) ▲
Abu Dhabi, UAE	15 (2.0)	58 (2.7) ▼
Buenos Aires, Argentina	11 (1.8)	56 (2.8) ▼
Quebec, Canada	5 (1.4) ▼	73 (2.5)
Norway (4)	2 (0.8) ▼	66 (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**

**S08\_04 (S061007): How snakes eat**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	89 (1.3)	▲
Kazakhstan	84 (2.1)	▲
Serbia	82 (2.5)	▲
Norway (5)	81 (2.4)	▲
Denmark	81 (1.9)	▲
Singapore	80 (1.4)	▲
United States	77 (1.4)	▲
Slovak Republic	76 (1.8)	▲
Russian Federation	76 (2.2)	▲
Hungary	76 (1.9)	▲
Lithuania	75 (2.1)	▲
Chinese Taipei	73 (1.8)	▲
Sweden	71 (2.4)	▲
Northern Ireland	70 (3.0)	▲
Czech Republic	70 (2.1)	▲
Canada	70 (1.5)	▲
Slovenia	70 (1.6)	▲
Bulgaria	69 (2.1)	▲
Australia	69 (1.8)	▲
New Zealand	69 (1.8)	▲
Poland	68 (2.3)	
Ireland	67 (2.4)	
Hong Kong SAR	67 (2.2)	
Italy	66 (2.3)	
England	64 (2.2)	
Germany	64 (2.1)	
Croatia	63 (2.3)	
Belgium (Flemish)	63 (1.7)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Spain	63 (2.3)	
France	61 (2.2)	
Netherlands	61 (2.3)	
Finland	61 (2.2)	
Portugal	56 (2.0)	▼
Cyprus	56 (2.4)	▼
Chile	55 (2.3)	▼
Turkey	53 (1.7)	▼
Japan	51 (2.0)	▼
United Arab Emirates	51 (1.1)	▼
Qatar	48 (1.7)	▼
Georgia	46 (2.4)	▼
Indonesia	46 (2.6)	▼
Oman	44 (1.6)	▼
Bahrain	40 (2.1)	▼
Iran, Islamic Rep. of	40 (2.9)	▼
Morocco	38 (2.6)	▼
Saudi Arabia	38 (1.9)	▼
Kuwait	30 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	79 (2.4)	▲
Norway (4)	72 (2.6)	▲
Quebec, Canada	71 (2.8)	▲
Ontario, Canada	70 (2.1)	▲
Dubai, UAE	60 (1.4)	
Buenos Aires, Argentina	46 (2.8)	▼
Abu Dhabi, UAE	43 (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**

**S08\_05 (S061006): Ann's heart rate while running**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Russian Federation	88 (1.3)	▲
Korea, Rep. of	86 (1.5)	▲
Slovenia	86 (1.7)	▲
Hong Kong SAR	86 (1.9)	▲
Japan	86 (1.5)	▲
Singapore	85 (1.5)	▲
Sweden	83 (2.1)	▲
Hungary	82 (1.7)	▲
Finland	82 (2.0)	▲
Norway (5)	82 (1.9)	▲
Kazakhstan	82 (1.5)	▲
Chinese Taipei	81 (1.6)	▲
Northern Ireland	80 (2.2)	▲
England	80 (1.6)	▲
Ireland	80 (2.0)	▲
Turkey	79 (1.6)	▲
Croatia	78 (2.1)	▲
Belgium (Flemish)	78 (1.8)	▲
Australia	77 (2.0)	▲
Portugal	77 (1.8)	▲
United States	77 (1.2)	▲
Denmark	77 (1.9)	▲
Serbia	75 (2.1)	▲
Bulgaria	75 (2.3)	▲
Germany	73 (2.2)	▲
Netherlands	73 (2.1)	▲
Canada	72 (1.3)	▲
Slovak Republic	69 (1.9)	
New Zealand	69 (2.0)	
Cyprus	68 (2.1)	
<b>International Avg.</b>	<b>68 (0.3)</b>	
Chile	67 (2.2)	
Italy	64 (2.4)	
France	63 (2.3)	
Spain	61 (2.2)	▼
Poland	59 (2.1)	▼
Iran, Islamic Rep. of	54 (3.0)	▼
Bahrain	53 (2.0)	▼
United Arab Emirates	52 (1.3)	▼
Lithuania	51 (2.5)	▼
Georgia	47 (2.4)	▼
Czech Republic	45 (2.2)	▼
Qatar	41 (2.0)	▼
Oman	39 (1.6)	▼
Kuwait	32 (2.7)	▼
Saudi Arabia	31 (2.3)	▼
Indonesia	30 (2.5)	▼
Morocco	20 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	74 (2.4)	▲
Florida, US	72 (2.5)	▲
Norway (4)	71 (2.0)	
Ontario, Canada	71 (2.0)	
Dubai, UAE	69 (1.3)	
Abu Dhabi, UAE	41 (2.3)	▼
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**

**S08\_06 (S061108): Using object to sort cans**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	95 (0.9)	▲
Japan	88 (1.3)	▲
Singapore	87 (1.4)	▲
Russian Federation	86 (1.4)	▲
Hong Kong SAR	78 (2.1)	▲
Poland	72 (2.2)	▲
England	72 (2.0)	▲
Chinese Taipei	72 (1.9)	▲
Portugal	72 (1.9)	▲
Hungary	72 (1.9)	▲
Turkey	71 (1.7)	▲
Spain	70 (2.0)	▲
Lithuania	69 (2.4)	▲
Serbia	69 (2.4)	▲
Kazakhstan	68 (2.4)	
Iran, Islamic Rep. of	67 (2.7)	
Germany	67 (2.0)	
United States	67 (1.5)	▲
Ireland	66 (2.3)	
Bahrain	66 (2.5)	
Slovenia	64 (2.4)	
Bulgaria	64 (3.3)	
<b>International Avg.</b>	<b>64 (0.3)</b>	
Finland	64 (2.5)	
Croatia	63 (2.8)	
Norway (5)	63 (2.8)	
Oman	62 (1.9)	
Belgium (Flemish)	61 (2.0)	
United Arab Emirates	61 (1.5)	
Slovak Republic	60 (2.2)	
Netherlands	60 (2.3)	
Italy	59 (2.5)	
Canada	59 (1.7)	▼
Georgia	58 (2.6)	▼
Denmark	58 (2.9)	▼
Australia	57 (2.1)	▼
Cyprus	57 (2.5)	▼
Qatar	56 (2.0)	▼
Indonesia	54 (2.7)	▼
Czech Republic	54 (2.4)	▼
Chile	54 (2.1)	▼
Sweden	54 (2.7)	▼
France	53 (2.2)	▼
Northern Ireland	53 (2.3)	▼
New Zealand	51 (2.1)	▼
Saudi Arabia	46 (2.0)	▼
Kuwait	45 (2.3)	▼
Morocco	34 (2.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	74 (3.2)	▲
Dubai, UAE	72 (2.2)	▲
Ontario, Canada	61 (2.4)	
Abu Dhabi, UAE	56 (2.3)	▼
Quebec, Canada	54 (3.0)	▼
Norway (4)	45 (3.0)	▼
Buenos Aires, Argentina	41 (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**

**S08\_07 (S061109): Shadow of toy cast on screen**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	76 (1.7)	▲
Korea, Rep. of	71 (2.1)	▲
Slovenia	68 (2.0)	▲
Russian Federation	66 (2.5)	▲
Finland	62 (1.8)	▲
Sweden	59 (2.6)	▲
Chinese Taipei	59 (2.1)	▲
Lithuania	57 (2.2)	▲
Kazakhstan	57 (2.5)	▲
Spain	56 (2.1)	▲
Chile	56 (2.2)	
Italy	55 (2.5)	
Ireland	55 (2.3)	
Norway (5)	55 (2.4)	
Denmark	55 (1.9)	
Croatia	54 (2.8)	
Turkey	54 (2.0)	
Australia	54 (2.4)	
United States	54 (1.3)	
Poland	53 (2.3)	
Belgium (Flemish)	53 (1.9)	
Hong Kong SAR	53 (2.4)	
Canada	53 (1.7)	
Hungary	53 (2.1)	
Czech Republic	53 (1.8)	
Portugal	52 (2.1)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Northern Ireland	51 (2.8)	
England	51 (2.4)	
New Zealand	51 (2.0)	
Japan	51 (2.0)	
Bulgaria	51 (2.5)	
Serbia	50 (2.4)	
France	48 (2.0)	
Germany	47 (1.9)	▼
Slovak Republic	46 (2.2)	▼
Indonesia	45 (2.9)	▼
Netherlands	45 (2.3)	▼
Iran, Islamic Rep. of	45 (2.7)	▼
Cyprus	44 (2.3)	▼
United Arab Emirates	44 (1.0)	▼
Georgia	44 (2.8)	▼
Qatar	43 (1.9)	▼
Bahrain	43 (2.0)	▼
Saudi Arabia	41 (1.8)	▼
Oman	38 (1.4)	▼
Morocco	38 (2.6)	▼
Kuwait	28 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	57 (3.4)	
Florida, US	54 (2.5)	
Dubai, UAE	51 (2.1)	
Norway (4)	49 (2.4)	
Ontario, Canada	48 (2.3)	
Abu Dhabi, UAE	42 (2.3)	▼
Buenos Aires, Argentina	37 (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**

**S08\_08 (S061080): Puddle of water on metal tray**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	94 (1.1)	▲
Czech Republic	84 (1.6)	▲
Kazakhstan	83 (1.7)	▲
Bulgaria	81 (2.4)	▲
Japan	80 (1.9)	▲
Slovak Republic	80 (1.7)	▲
Serbia	78 (1.8)	▲
Italy	75 (2.2)	▲
Slovenia	74 (1.9)	▲
Hungary	74 (1.9)	▲
Croatia	73 (2.4)	▲
United States	72 (1.4)	▲
Lithuania	71 (2.3)	▲
Russian Federation	70 (2.4)	▲
Chinese Taipei	69 (2.2)	▲
Finland	67 (2.2)	▲
Belgium (Flemish)	66 (1.7)	▲
Turkey	65 (2.1)	▲
Hong Kong SAR	64 (2.3)	▲
Singapore	62 (1.7)	
Georgia	61 (2.4)	
Sweden	61 (2.7)	
Oman	59 (1.6)	
Saudi Arabia	59 (2.2)	
Germany	59 (2.3)	
<b>International Avg.</b>	<b>59 (0.3)</b>	
Ireland	57 (2.3)	
Portugal	57 (2.2)	
Canada	57 (1.6)	
Poland	56 (2.0)	
United Arab Emirates	52 (1.5)	▼
England	51 (2.4)	▼
New Zealand	49 (2.1)	▼
Australia	49 (2.7)	▼
Netherlands	49 (2.6)	▼
Northern Ireland	48 (2.5)	▼
Spain	47 (1.7)	▼
Morocco	47 (2.5)	▼
France	45 (2.5)	▼
Bahrain	44 (2.0)	▼
Qatar	44 (2.4)	▼
Cyprus	44 (2.2)	▼
Iran, Islamic Rep. of	40 (2.5)	▼
Denmark	35 (2.4)	▼
Kuwait	33 (3.1)	▼
Chile	32 (2.2)	▼
Norway (5)	30 (2.5)	▼
Indonesia	24 (1.9)	▼
<b>Benchmarking Participants</b>		
Florida, US	70 (3.5)	▲
Dubai, UAE	62 (2.2)	
Ontario, Canada	58 (1.8)	
Quebec, Canada	52 (2.8)	▼
Abu Dhabi, UAE	45 (2.6)	▼
Norway (4)	33 (2.5)	▼
Buenos Aires, Argentina	19 (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**

**S08\_09 (S061088): Energy transformed to electricity**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	49 (2.7)	▲
Chinese Taipei	45 (2.0)	▲
Kazakhstan	43 (2.8)	▲
Korea, Rep. of	39 (1.9)	▲
Indonesia	37 (2.6)	▲
Sweden	33 (2.6)	▲
Hungary	32 (1.9)	▲
Slovenia	31 (2.2)	▲
Japan	30 (2.2)	▲
Germany	29 (2.2)	▲
Finland	29 (2.5)	▲
Northern Ireland	29 (2.6)	▲
Spain	28 (2.0)	▲
Serbia	27 (2.3)	▲
Turkey	27 (1.7)	▲
Lithuania	26 (2.2)	
Netherlands	25 (1.8)	
Russian Federation	25 (2.7)	
Bulgaria	25 (2.5)	
Ireland	24 (2.1)	
Norway (5)	23 (1.9)	
<b>International Avg.</b>	<b>23 (0.3)</b>	
Belgium (Flemish)	22 (1.8)	
Australia	22 (1.5)	
Saudi Arabia	21 (2.2)	
Denmark	21 (1.7)	
United Arab Emirates	20 (1.2)	
Oman	20 (1.5)	▼
Qatar	19 (2.5)	
Singapore	19 (1.6)	▼
United States	19 (1.5)	▼
Czech Republic	18 (1.5)	▼
Poland	17 (1.6)	▼
Slovak Republic	16 (1.5)	▼
Italy	16 (1.7)	▼
England	16 (1.8)	▼
Portugal	16 (1.5)	▼
France	15 (2.0)	▼
New Zealand	15 (1.5)	▼
Canada	15 (0.9)	▼
Croatia	13 (1.8)	▼
Bahrain	13 (1.5)	▼
Cyprus	11 (1.4)	▼
Chile	10 (1.3)	▼
Kuwait	9 (1.6)	▼
Georgia	7 (1.4)	▼
Iran, Islamic Rep. of	6 (1.3)	▼
Morocco	3 (0.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	26 (1.8)	▲
Florida, US	25 (2.5)	
Abu Dhabi, UAE	16 (1.8)	▼
Norway (4)	15 (1.6)	▼
Quebec, Canada	14 (1.8)	▼
Ontario, Canada	13 (1.3)	▼
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**

**S08\_10 (S061151): Teacher plucked a guitar string**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Canada	62 (1.7)	▲
United States	62 (1.6)	▲
Netherlands	58 (2.3)	▲
Norway (5)	56 (2.0)	▲
Slovenia	55 (2.5)	▲
Belgium (Flemish)	55 (2.0)	▲
Russian Federation	54 (2.1)	▲
England	53 (1.8)	▲
Singapore	53 (2.3)	▲
Australia	53 (2.3)	▲
Ireland	50 (2.2)	▲
Turkey	50 (2.0)	▲
Korea, Rep. of	50 (2.0)	▲
Finland	50 (2.1)	▲
Japan	50 (1.9)	▲
Denmark	48 (2.2)	▲
Bulgaria	47 (2.9)	▲
Northern Ireland	46 (2.8)	▲
Poland	46 (2.6)	▲
Lithuania	46 (2.5)	▲
Italy	44 (2.5)	
Croatia	44 (2.2)	▲
Hong Kong SAR	44 (3.1)	
Serbia	43 (2.4)	
Kazakhstan	43 (2.4)	
New Zealand	42 (2.2)	
Czech Republic	41 (2.4)	
Slovak Republic	41 (1.8)	
Portugal	41 (2.4)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Hungary	39 (2.2)	
Georgia	38 (2.8)	
France	37 (2.3)	
Germany	36 (1.9)	▼
Chinese Taipei	33 (2.0)	▼
Chile	32 (1.9)	▼
Cyprus	30 (2.2)	▼
Spain	28 (2.0)	▼
Sweden	25 (2.1)	▼
United Arab Emirates	22 (0.8)	▼
Qatar	21 (1.6)	▼
Saudi Arabia	20 (2.0)	▼
Indonesia	19 (1.9)	▼
Bahrain	19 (1.7)	▼
Kuwait	12 (1.8)	▼
Iran, Islamic Rep. of	12 (1.5)	▼
Oman	11 (1.0)	▼
Morocco	1 (0.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	64 (2.9)	▲
Florida, US	61 (3.1)	▲
Ontario, Canada	61 (2.5)	▲
Dubai, UAE	38 (1.5)	
Norway (4)	36 (2.1)	
Buenos Aires, Argentina	18 (1.9)	▼
Abu Dhabi, UAE	16 (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**

**S08\_11 (S061150): Drawings of the moon**  
**Constructed Response (1 Point)**

Country	Percent Correct	
United States	56 (1.7)	▲
Slovenia	56 (1.9)	▲
Japan	55 (2.0)	▲
Singapore	55 (1.8)	▲
Norway (5)	54 (2.6)	▲
Spain	54 (2.0)	▲
Lithuania	53 (2.2)	▲
Portugal	52 (2.1)	▲
Hungary	52 (2.4)	▲
Belgium (Flemish)	52 (2.1)	▲
Finland	51 (2.2)	▲
Germany	51 (2.3)	▲
Australia	51 (2.0)	▲
Croatia	51 (2.5)	▲
Canada	50 (1.6)	▲
Ireland	49 (2.5)	▲
Russian Federation	49 (2.3)	▲
Sweden	48 (2.8)	▲
Italy	48 (2.5)	▲
Serbia	47 (2.5)	▲
England	46 (2.4)	▲
Slovak Republic	45 (2.4)	▲
Korea, Rep. of	45 (2.1)	▲
New Zealand	44 (1.7)	▲
Netherlands	44 (2.2)	
Denmark	43 (2.5)	
Kazakhstan	43 (3.0)	
Chinese Taipei	42 (2.1)	
Hong Kong SAR	40 (2.5)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
France	40 (2.5)	
Turkey	39 (2.1)	
Poland	33 (2.5)	▼
Bahrain	32 (2.3)	▼
Cyprus	32 (2.0)	▼
Bulgaria	31 (2.4)	▼
Chile	30 (1.7)	▼
Czech Republic	28 (2.2)	▼
United Arab Emirates	28 (1.1)	▼
Georgia	28 (2.0)	▼
Northern Ireland	27 (2.5)	▼
Iran, Islamic Rep. of	24 (2.2)	▼
Qatar	23 (1.7)	▼
Oman	22 (1.5)	▼
Saudi Arabia	14 (1.7)	▼
Indonesia	13 (1.6)	▼
Kuwait	11 (1.5)	▼
Morocco	3 (0.9)	▼
<b>Benchmarking Participants</b>		
Florida, US	59 (2.7)	▲
Quebec, Canada	52 (3.2)	▲
Ontario, Canada	51 (2.1)	▲
Dubai, UAE	40 (1.7)	
Norway (4)	40 (2.1)	
Buenos Aires, Argentina	25 (2.4)	▼
Abu Dhabi, UAE	21 (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**

**S08\_12 (S061169): Diagram of water cycle**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	87 (1.3)	▲
Hong Kong SAR	87 (1.3)	▲
Singapore	82 (1.4)	▲
Chinese Taipei	82 (1.7)	▲
United States	74 (1.3)	▲
Spain	73 (1.8)	▲
Serbia	72 (2.6)	▲
Italy	72 (2.4)	▲
Poland	70 (2.4)	▲
Bulgaria	70 (3.2)	▲
Slovenia	69 (1.9)	▲
Sweden	68 (2.6)	▲
Hungary	68 (2.3)	▲
Japan	66 (2.4)	▲
Russian Federation	66 (1.9)	▲
Cyprus	65 (2.0)	▲
England	65 (2.2)	
Croatia	65 (2.1)	
Portugal	65 (2.1)	
Kazakhstan	64 (2.4)	
United Arab Emirates	63 (1.2)	
Turkey	63 (2.0)	
Bahrain	62 (2.0)	
Czech Republic	62 (2.3)	
Australia	61 (2.0)	
<b>International Avg.</b>	<b>61 (0.3)</b>	
Northern Ireland	60 (2.7)	
Ireland	60 (2.6)	
Slovak Republic	60 (2.5)	
Denmark	60 (2.3)	
Qatar	59 (2.1)	
Chile	58 (2.0)	
Canada	57 (1.5)	▼
New Zealand	57 (2.2)	
Iran, Islamic Rep. of	57 (3.0)	
Norway (5)	56 (3.1)	
Finland	56 (2.7)	
Germany	56 (2.3)	▼
Oman	54 (1.6)	▼
Belgium (Flemish)	49 (2.5)	▼
Saudi Arabia	49 (2.3)	▼
France	48 (2.4)	▼
Lithuania	46 (2.4)	▼
Kuwait	41 (2.5)	▼
Netherlands	41 (2.3)	▼
Indonesia	36 (2.4)	▼
Georgia	35 (2.2)	▼
Morocco	32 (2.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	79 (2.7)	▲
Dubai, UAE	75 (1.7)	▲
Quebec, Canada	59 (2.7)	
Ontario, Canada	59 (2.1)	
Norway (4)	54 (2.4)	▼
Abu Dhabi, UAE	54 (1.9)	▼
Buenos Aires, Argentina	32 (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**

**S09\_01 (S051044): Tree and bird; glass and spoon**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	87 (1.2)	▲
Kazakhstan	74 (2.1)	▲
Bulgaria	69 (2.3)	▲
Russian Federation	66 (2.8)	▲
Slovak Republic	65 (2.3)	▲
Croatia	65 (2.3)	▲
Italy	65 (2.3)	▲
Serbia	64 (3.1)	▲
Slovenia	63 (2.3)	▲
Iran, Islamic Rep. of	60 (3.1)	▲
Czech Republic	57 (2.1)	▲
Oman	53 (1.8)	▲
Australia	52 (2.3)	▲
Lithuania	52 (2.4)	▲
Bahrain	52 (3.6)	
Portugal	51 (2.2)	
Qatar	50 (2.0)	
England	49 (2.6)	
Northern Ireland	47 (3.1)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Finland	46 (2.5)	
Spain	46 (2.2)	
Netherlands	45 (2.0)	
New Zealand	44 (2.2)	
United States	44 (1.3)	▼
Hungary	43 (2.6)	
United Arab Emirates	42 (1.1)	▼
Korea, Rep. of	42 (1.9)	▼
Poland	41 (2.0)	▼
Germany	40 (2.4)	▼
Norway (5)	40 (2.2)	▼
Belgium (Flemish)	40 (2.4)	▼
Cyprus	39 (2.3)	▼
Canada	39 (1.4)	▼
Chile	38 (2.0)	▼
Turkey	37 (1.8)	▼
Japan	37 (1.9)	▼
Saudi Arabia	37 (2.3)	▼
France	37 (2.1)	▼
Georgia	36 (2.7)	▼
Ireland	36 (2.5)	▼
Indonesia	33 (2.1)	▼
Denmark	32 (2.4)	▼
Sweden	32 (2.1)	▼
Morocco	31 (2.3)	▼
Hong Kong SAR	31 (2.1)	▼
Kuwait	28 (2.4)	▼
Chinese Taipei	16 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	56 (2.0)	▲
Quebec, Canada	45 (3.0)	
Florida, US	42 (2.5)	
Ontario, Canada	38 (2.1)	▼
Buenos Aires, Argentina	35 (2.5)	▼
Abu Dhabi, UAE	32 (1.8)	▼
Norway (4)	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**

**S09\_03 (S051003): Leaves from two kinds of trees**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Czech Republic	80 (1.7)	▲
Russian Federation	79 (1.6)	▲
Serbia	78 (2.5)	▲
Poland	78 (1.7)	▲
Finland	77 (1.9)	▲
Slovenia	77 (1.9)	▲
Croatia	76 (1.9)	▲
Canada	76 (1.4)	▲
Bulgaria	73 (2.4)	▲
Hungary	73 (2.0)	▲
Belgium (Flemish)	73 (1.8)	▲
Korea, Rep. of	73 (2.2)	▲
Slovak Republic	73 (2.1)	▲
Ireland	71 (2.2)	▲
Germany	70 (1.8)	▲
Norway (5)	70 (2.4)	▲
Sweden	70 (2.1)	▲
Lithuania	69 (2.3)	▲
Kazakhstan	69 (2.0)	▲
Denmark	69 (2.1)	▲
France	67 (2.3)	▲
United States	67 (1.3)	▲
Netherlands	66 (2.4)	▲
England	65 (1.9)	▲
Northern Ireland	64 (2.9)	
Italy	63 (2.3)	
Georgia	62 (2.6)	
New Zealand	61 (1.8)	
<b>International Avg.</b>	<b>59 (0.3)</b>	
Australia	57 (2.0)	
Singapore	55 (1.7)	
Hong Kong SAR	55 (2.6)	
Spain	53 (1.8)	▼
Japan	53 (2.1)	▼
Cyprus	49 (1.9)	▼
Portugal	48 (2.3)	▼
Chinese Taipei	46 (2.4)	▼
Chile	46 (2.2)	▼
Turkey	41 (1.9)	▼
United Arab Emirates	38 (1.2)	▼
Indonesia	38 (2.5)	▼
Iran, Islamic Rep. of	35 (3.2)	▼
Bahrain	31 (2.3)	▼
Qatar	30 (1.8)	▼
Morocco	29 (2.3)	▼
Oman	25 (1.4)	▼
Kuwait	18 (1.9)	▼
Saudi Arabia	16 (1.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	78 (3.0)	▲
Ontario, Canada	75 (1.7)	▲
Florida, US	66 (3.0)	▲
Norway (4)	65 (2.4)	▲
Dubai, UAE	53 (1.9)	▼
Buenos Aires, Argentina	36 (2.8)	▼
Abu Dhabi, UAE	33 (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**

**S09\_04 (S051168): Why plastic objects dangerous**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Netherlands	85 (1.9)	▲
United States	81 (1.1)	▲
Ireland	81 (2.0)	▲
Australia	81 (1.8)	▲
Singapore	81 (1.5)	▲
Norway (5)	79 (1.9)	▲
Cyprus	78 (1.7)	▲
Finland	75 (2.1)	▲
Sweden	74 (2.2)	▲
Japan	74 (2.0)	▲
New Zealand	72 (2.0)	▲
Canada	72 (1.5)	▲
England	71 (2.1)	▲
Russian Federation	70 (1.7)	▲
Northern Ireland	70 (2.7)	▲
Spain	70 (2.1)	▲
Germany	68 (1.9)	▲
France	67 (2.5)	▲
Portugal	65 (1.4)	▲
Poland	65 (2.1)	▲
Lithuania	63 (2.9)	▲
Slovenia	62 (2.4)	▲
Korea, Rep. of	62 (2.0)	▲
Denmark	61 (2.6)	▲
Belgium (Flemish)	60 (2.1)	▲
Hungary	59 (2.2)	
Hong Kong SAR	59 (2.4)	
Czech Republic	58 (2.2)	
<b>International Avg.</b>	<b>55 (0.3)</b>	
Italy	54 (2.2)	
Chile	53 (2.3)	
Chinese Taipei	52 (2.3)	
Slovak Republic	52 (1.8)	
Serbia	51 (2.3)	
Croatia	51 (2.4)	
United Arab Emirates	41 (1.2)	▼
Kazakhstan	34 (2.3)	▼
Turkey	33 (1.8)	▼
Bulgaria	32 (1.7)	▼
Georgia	30 (2.4)	▼
Qatar	29 (2.1)	▼
Bahrain	27 (2.3)	▼
Oman	22 (1.5)	▼
Indonesia	19 (2.1)	▼
Iran, Islamic Rep. of	14 (2.2)	▼
Saudi Arabia	12 (1.5)	▼
Kuwait	12 (1.9)	▼
Morocco	3 (1.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	82 (3.2)	▲
Ontario, Canada	74 (1.8)	▲
Norway (4)	69 (2.3)	▲
Quebec, Canada	65 (3.3)	▲
Dubai, UAE	58 (2.0)	
Buenos Aires, Argentina	40 (2.7)	▼
Abu Dhabi, UAE	36 (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**

**S09\_05 (S051010): Middle tree did not grow as well**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	78 (1.7)	▲
Singapore	75 (1.6)	▲
Japan	72 (2.1)	▲
Norway (5)	67 (2.3)	▲
Finland	67 (2.2)	▲
Chinese Taipei	66 (2.1)	▲
United States	65 (1.3)	▲
Sweden	63 (2.7)	▲
Denmark	62 (2.5)	▲
Belgium (Flemish)	62 (2.0)	▲
Russian Federation	62 (2.2)	▲
England	60 (2.0)	▲
Netherlands	60 (2.1)	▲
Australia	59 (2.2)	▲
Germany	58 (2.2)	▲
Hungary	58 (2.1)	▲
Northern Ireland	56 (2.2)	▲
Slovenia	55 (2.3)	▲
Poland	55 (2.3)	▲
Ireland	54 (2.7)	▲
Lithuania	54 (2.5)	▲
Canada	54 (1.7)	▲
Czech Republic	53 (1.8)	▲
Kazakhstan	53 (2.7)	
Croatia	53 (2.2)	
Hong Kong SAR	52 (3.4)	
New Zealand	49 (1.9)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
Slovak Republic	48 (2.3)	
Italy	47 (2.4)	
Turkey	46 (1.8)	
Spain	44 (2.4)	
Serbia	43 (2.2)	▼
Bulgaria	39 (2.6)	▼
United Arab Emirates	39 (1.2)	▼
Bahrain	37 (2.2)	▼
Qatar	37 (2.3)	▼
Portugal	36 (2.2)	▼
Cyprus	34 (2.2)	▼
Georgia	32 (2.4)	▼
Iran, Islamic Rep. of	31 (2.4)	▼
Chile	30 (2.3)	▼
Oman	29 (1.3)	▼
France	24 (2.1)	▼
Saudi Arabia	21 (1.5)	▼
Kuwait	16 (1.7)	▼
Indonesia	16 (1.9)	▼
Morocco	3 (0.9)	▼
<b>Benchmarking Participants</b>		
Florida, US	66 (2.4)	▲
Norway (4)	59 (2.4)	▲
Ontario, Canada	58 (2.2)	▲
Dubai, UAE	56 (2.0)	▲
Quebec, Canada	52 (3.2)	
Abu Dhabi, UAE	29 (2.0)	▼
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**

**S09\_06 (S051035): Decrease air pollution in a city**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Chinese Taipei	84 (1.7)	▲
Korea, Rep. of	67 (2.3)	▲
Iran, Islamic Rep. of	54 (2.8)	▲
Hong Kong SAR	51 (2.9)	▲
Kazakhstan	50 (2.4)	▲
Singapore	50 (1.8)	▲
Sweden	50 (2.8)	▲
Russian Federation	49 (2.5)	▲
Turkey	46 (1.8)	▲
Norway (5)	43 (2.4)	▲
Spain	42 (2.1)	▲
France	40 (2.7)	▲
Belgium (Flemish)	39 (2.1)	▲
Slovenia	39 (2.4)	▲
Poland	39 (2.4)	▲
Bulgaria	39 (2.4)	▲
Finland	38 (2.5)	
Bahrain	37 (1.9)	
Ireland	36 (2.5)	
Georgia	34 (2.8)	
<b>International Avg.</b>	<b>34 (0.3)</b>	
Cyprus	33 (2.1)	
Morocco	32 (2.1)	
United Arab Emirates	32 (1.1)	
Croatia	31 (2.3)	
United States	29 (1.3)	▼
Czech Republic	29 (2.3)	▼
Canada	28 (1.2)	▼
Italy	28 (2.5)	▼
Slovak Republic	27 (1.8)	▼
New Zealand	26 (2.0)	▼
Australia	26 (2.1)	▼
Oman	26 (1.4)	▼
Northern Ireland	26 (2.5)	▼
Indonesia	26 (2.1)	▼
Netherlands	26 (2.3)	▼
Lithuania	25 (2.0)	▼
Saudi Arabia	25 (1.9)	▼
Hungary	25 (2.1)	▼
Qatar	24 (1.9)	▼
Kuwait	23 (2.4)	▼
Portugal	22 (2.0)	▼
Germany	21 (2.0)	▼
Denmark	18 (1.6)	▼
Serbia	18 (2.0)	▼
England	16 (1.9)	▼
Chile	16 (1.5)	▼
Japan	14 (1.6)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	42 (1.8)	▲
Norway (4)	30 (2.6)	
Abu Dhabi, UAE	30 (2.0)	▼
Ontario, Canada	29 (2.0)	▼
Quebec, Canada	27 (2.6)	▼
Florida, US	22 (3.1)	▼
Buenos Aires, Argentina	14 (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**

**S09\_07 (S051059): Difference between ice and water**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	76 (1.6)	▲
Australia	72 (1.9)	▲
Korea, Rep. of	72 (1.7)	▲
Germany	70 (1.7)	▲
Kazakhstan	69 (2.6)	▲
Japan	69 (1.9)	▲
Croatia	67 (2.2)	▲
Hong Kong SAR	61 (2.4)	▲
Sweden	61 (2.6)	▲
Finland	58 (2.0)	▲
Norway (5)	58 (2.2)	▲
Netherlands	57 (2.3)	▲
Lithuania	57 (2.4)	▲
Czech Republic	57 (1.9)	▲
Russian Federation	56 (2.6)	▲
Belgium (Flemish)	52 (2.5)	▲
Georgia	50 (2.5)	
Slovenia	49 (2.2)	
United States	49 (1.5)	
Serbia	49 (3.0)	
Ireland	48 (2.5)	
Northern Ireland	48 (3.1)	
Hungary	47 (2.4)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
England	45 (2.4)	
Bulgaria	45 (2.5)	
Turkey	45 (2.1)	
Chile	45 (2.2)	
Portugal	45 (2.0)	
Denmark	45 (2.4)	
Canada	44 (1.7)	
Slovak Republic	44 (1.9)	
New Zealand	43 (1.8)	
Chinese Taipei	43 (2.1)	
Poland	43 (1.9)	▼
Spain	39 (2.3)	▼
Cyprus	39 (2.0)	▼
Oman	34 (1.6)	▼
Italy	32 (2.0)	▼
United Arab Emirates	31 (1.1)	▼
Indonesia	31 (2.3)	▼
Bahrain	28 (2.4)	▼
Qatar	27 (1.8)	▼
France	27 (2.2)	▼
Kuwait	21 (1.9)	▼
Iran, Islamic Rep. of	17 (1.8)	▼
Saudi Arabia	13 (1.3)	▼
Morocco	8 (1.3)	▼
<b>Benchmarking Participants</b>		
Norway (4)	52 (3.4)	
Dubai, UAE	48 (1.6)	
Florida, US	48 (2.4)	
Ontario, Canada	46 (2.7)	
Quebec, Canada	42 (2.7)	
Buenos Aires, Argentina	28 (2.4)	▼
Abu Dhabi, UAE	19 (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**

**S09\_08 (S051142): Temperature which materials melt**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Poland	74 (2.2)	▲
Serbia	66 (2.5)	▲
Northern Ireland	63 (2.2)	▲
Singapore	62 (1.8)	▲
Russian Federation	60 (2.1)	▲
Ireland	59 (2.6)	▲
United States	58 (1.4)	▲
Netherlands	57 (2.2)	▲
Czech Republic	57 (2.2)	▲
Japan	56 (2.1)	▲
Croatia	55 (2.3)	▲
Hungary	55 (2.5)	▲
Bulgaria	55 (2.6)	▲
Sweden	55 (2.3)	▲
Australia	55 (2.1)	▲
Chile	54 (2.2)	▲
Italy	52 (2.4)	
Slovenia	52 (2.1)	▲
Denmark	52 (2.4)	
Germany	52 (2.5)	
England	52 (2.2)	
New Zealand	51 (2.1)	
Spain	51 (2.2)	
Finland	51 (2.5)	
Cyprus	51 (1.8)	
Lithuania	50 (2.2)	
Belgium (Flemish)	50 (2.3)	
France	49 (2.3)	
Kazakhstan	48 (2.6)	
Canada	48 (1.6)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
Hong Kong SAR	46 (2.2)	
Slovak Republic	46 (2.1)	
Portugal	44 (2.2)	
Norway (5)	44 (2.7)	
Turkey	43 (1.9)	▼
Korea, Rep. of	40 (2.2)	▼
United Arab Emirates	39 (1.3)	▼
Chinese Taipei	38 (1.9)	▼
Qatar	35 (2.0)	▼
Bahrain	35 (2.3)	▼
Oman	31 (1.2)	▼
Iran, Islamic Rep. of	30 (2.6)	▼
Saudi Arabia	27 (1.9)	▼
Kuwait	26 (1.9)	▼
Georgia	23 (2.4)	▼
Indonesia	22 (2.4)	▼
Morocco	19 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	57 (2.9)	▲
Dubai, UAE	54 (2.0)	▲
Ontario, Canada	51 (2.3)	
Quebec, Canada	38 (2.6)	▼
Norway (4)	37 (2.8)	▼
Buenos Aires, Argentina	36 (2.5)	▼
Abu Dhabi, UAE	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**

**S09\_09A (S051131A): Flashlight: shadow on wall**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	92 (0.9)	▲
Korea, Rep. of	91 (1.1)	▲
Russian Federation	83 (1.8)	▲
Lithuania	78 (2.0)	▲
Japan	78 (1.8)	▲
Chinese Taipei	77 (1.7)	▲
Czech Republic	76 (2.3)	▲
England	76 (1.9)	▲
Hungary	76 (2.0)	▲
Hong Kong SAR	75 (2.2)	▲
United States	74 (1.4)	▲
Australia	72 (2.2)	▲
Finland	71 (2.1)	▲
Cyprus	71 (2.2)	▲
Ireland	71 (2.3)	▲
Northern Ireland	70 (2.4)	▲
Denmark	69 (2.4)	▲
Netherlands	69 (2.3)	▲
Germany	69 (2.0)	▲
Belgium (Flemish)	68 (1.7)	▲
Kazakhstan	68 (2.5)	▲
Canada	67 (1.4)	▲
New Zealand	67 (1.8)	▲
Slovak Republic	65 (2.0)	
Chile	64 (2.3)	
<b>International Avg.</b>	<b>62 (0.3)</b>	
Serbia	61 (2.5)	
Spain	60 (1.9)	
Italy	59 (2.4)	
Norway (5)	59 (2.4)	
Sweden	57 (2.6)	
Poland	57 (2.1)	▼
France	55 (2.2)	▼
Slovenia	53 (2.2)	▼
United Arab Emirates	52 (1.2)	▼
Croatia	52 (2.4)	▼
Bulgaria	52 (2.4)	▼
Portugal	52 (2.2)	▼
Qatar	49 (2.2)	▼
Turkey	47 (2.3)	▼
Iran, Islamic Rep. of	46 (2.9)	▼
Bahrain	43 (3.2)	▼
Georgia	43 (2.2)	▼
Indonesia	39 (2.4)	▼
Oman	34 (1.5)	▼
Kuwait	33 (2.2)	▼
Morocco	30 (2.3)	▼
Saudi Arabia	29 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	74 (2.5)	▲
Dubai, UAE	69 (1.3)	▲
Ontario, Canada	69 (2.0)	▲
Quebec, Canada	59 (2.8)	
Norway (4)	50 (2.8)	▼
Buenos Aires, Argentina	43 (2.9)	▼
Abu Dhabi, UAE	43 (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**

**S09\_09B (S051131B): Flashlight: color of shadow**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	77 (1.8)	▲
Singapore	75 (1.7)	▲
Hong Kong SAR	65 (2.5)	▲
Chinese Taipei	64 (2.2)	▲
Finland	60 (2.8)	▲
Russian Federation	59 (2.8)	▲
Netherlands	57 (2.5)	▲
Bulgaria	52 (2.5)	▲
England	51 (2.4)	▲
Sweden	51 (2.6)	▲
United States	51 (1.5)	▲
Japan	50 (2.2)	▲
Slovenia	50 (2.5)	▲
Kazakhstan	49 (2.6)	
Norway (5)	49 (2.5)	
Belgium (Flemish)	49 (2.1)	
Germany	48 (2.4)	
Canada	48 (1.7)	
Ireland	48 (2.8)	
Cyprus	46 (2.2)	
Czech Republic	46 (2.4)	
Hungary	46 (1.9)	
Poland	45 (2.1)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Slovak Republic	45 (2.1)	
Australia	45 (2.8)	
Lithuania	44 (2.0)	
Serbia	43 (2.5)	
Northern Ireland	43 (2.7)	
Georgia	43 (2.5)	
New Zealand	42 (1.9)	
Denmark	41 (2.2)	
United Arab Emirates	41 (1.3)	▼
Croatia	41 (2.4)	
Spain	41 (2.4)	
Qatar	38 (1.6)	▼
Chile	38 (2.1)	▼
Italy	38 (2.5)	▼
Portugal	38 (1.8)	▼
France	36 (2.4)	▼
Iran, Islamic Rep. of	35 (2.4)	▼
Morocco	29 (2.3)	▼
Kuwait	29 (2.6)	▼
Bahrain	29 (2.8)	▼
Turkey	28 (1.8)	▼
Oman	25 (1.4)	▼
Saudi Arabia	22 (1.8)	▼
Indonesia	21 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	54 (2.2)	▲
Florida, US	53 (2.7)	▲
Quebec, Canada	49 (3.3)	
Ontario, Canada	47 (2.1)	
Norway (4)	41 (2.2)	
Abu Dhabi, UAE	34 (2.0)	▼
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**

**S09\_10 (S051151): Earth's features and descriptions**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	97 (0.9)	▲
Croatia	96 (1.0)	▲
Chinese Taipei	95 (0.9)	▲
Hong Kong SAR	94 (1.1)	▲
Russian Federation	92 (1.3)	▲
Japan	92 (1.0)	▲
Slovenia	91 (1.4)	▲
Czech Republic	90 (1.4)	▲
Ireland	89 (1.6)	▲
Norway (5)	89 (1.7)	▲
Finland	88 (1.5)	▲
Bulgaria	87 (1.6)	▲
Northern Ireland	87 (1.9)	▲
Sweden	86 (1.8)	▲
Slovak Republic	84 (1.4)	▲
Denmark	84 (1.7)	▲
Netherlands	84 (2.1)	▲
Poland	83 (1.5)	▲
United States	83 (1.0)	▲
Hungary	83 (2.0)	▲
Singapore	83 (1.4)	▲
Australia	83 (1.6)	▲
Spain	83 (2.0)	▲
Germany	83 (1.5)	▲
Portugal	82 (1.5)	▲
Italy	82 (1.9)	▲
England	82 (1.6)	▲
Belgium (Flemish)	81 (1.5)	▲
New Zealand	81 (1.4)	▲
Serbia	81 (2.0)	▲
Canada	80 (1.5)	▲
Lithuania	79 (1.9)	
<b>International Avg.</b>	<b>77 (0.3)</b>	
Chile	72 (1.9)	▼
Cyprus	71 (1.8)	▼
Turkey	68 (1.6)	▼
France	66 (2.5)	▼
Kazakhstan	63 (2.4)	▼
Bahrain	61 (2.4)	▼
United Arab Emirates	59 (1.2)	▼
Qatar	57 (2.2)	▼
Georgia	56 (2.6)	▼
Iran, Islamic Rep. of	55 (2.8)	▼
Oman	55 (1.6)	▼
Indonesia	53 (2.9)	▼
Saudi Arabia	45 (2.2)	▼
Kuwait	44 (2.6)	▼
Morocco	22 (2.5)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	83 (2.7)	▲
Florida, US	82 (2.3)	▲
Norway (4)	80 (1.8)	
Ontario, Canada	80 (2.2)	
Dubai, UAE	75 (1.6)	
Abu Dhabi, UAE	50 (2.5)	▼
Buenos Aires, Argentina	48 (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**

**S09\_11 (S051157): How did fish become part of rock?**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	74 (1.9)	▲
Sweden	62 (2.3)	▲
Japan	57 (2.1)	▲
Norway (5)	55 (2.7)	▲
Finland	54 (2.0)	▲
United States	51 (1.7)	▲
Czech Republic	49 (2.6)	▲
Australia	49 (2.2)	▲
New Zealand	49 (2.0)	▲
England	49 (2.3)	▲
Spain	49 (1.8)	▲
Canada	48 (1.5)	▲
Hong Kong SAR	48 (2.5)	▲
Singapore	48 (1.8)	▲
Hungary	47 (2.2)	▲
Netherlands	47 (2.3)	▲
Poland	47 (2.0)	▲
Northern Ireland	47 (3.0)	▲
Russian Federation	46 (2.0)	▲
Ireland	46 (2.3)	▲
Germany	45 (2.2)	▲
Croatia	45 (2.4)	
Italy	44 (2.5)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Slovenia	39 (2.1)	
Denmark	39 (2.2)	
Iran, Islamic Rep. of	38 (2.6)	
Lithuania	38 (2.1)	
Kazakhstan	38 (2.7)	
Portugal	37 (2.0)	
Bahrain	36 (2.8)	
United Arab Emirates	36 (1.5)	▼
France	33 (2.2)	▼
Chinese Taipei	33 (2.5)	▼
Turkey	32 (1.6)	▼
Belgium (Flemish)	32 (2.0)	▼
Morocco	31 (2.4)	▼
Qatar	31 (1.9)	▼
Bulgaria	31 (2.3)	▼
Slovak Republic	30 (2.3)	▼
Cyprus	30 (2.1)	▼
Chile	29 (2.2)	▼
Oman	28 (1.6)	▼
Saudi Arabia	27 (2.0)	▼
Serbia	23 (2.0)	▼
Georgia	19 (2.1)	▼
Kuwait	18 (1.8)	▼
Indonesia	17 (1.9)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	49 (2.5)	▲
Florida, US	49 (3.7)	▲
Dubai, UAE	43 (2.6)	
Quebec, Canada	40 (2.7)	
Norway (4)	40 (3.0)	
Abu Dhabi, UAE	37 (2.4)	
Buenos Aires, Argentina	19 (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**

**S10\_01 (S061071): Animal with a backbone**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Slovak Republic	88 (1.4)	▲
Hungary	88 (1.5)	▲
Croatia	87 (1.6)	▲
Korea, Rep. of	86 (1.6)	▲
Czech Republic	86 (1.3)	▲
Bulgaria	86 (2.0)	▲
Georgia	84 (1.7)	▲
Norway (5)	84 (1.5)	▲
Denmark	83 (1.8)	▲
Indonesia	83 (2.1)	▲
Poland	83 (1.9)	▲
Russian Federation	83 (1.6)	▲
Kazakhstan	83 (1.9)	▲
Japan	82 (1.7)	▲
United States	82 (1.2)	▲
Slovenia	81 (1.9)	▲
Chinese Taipei	80 (1.7)	▲
Serbia	80 (2.2)	▲
Lithuania	80 (2.1)	▲
France	79 (1.6)	▲
Canada	79 (1.2)	▲
New Zealand	79 (1.7)	▲
Sweden	79 (1.9)	▲
Singapore	78 (1.4)	▲
Cyprus	78 (1.8)	
Northern Ireland	76 (2.2)	
Germany	75 (1.9)	
Spain	75 (1.9)	
<b>International Avg.</b>	<b>75 (0.3)</b>	
England	74 (1.8)	
Ireland	74 (2.0)	
Australia	74 (1.8)	
Italy	74 (2.1)	
Finland	74 (2.2)	
Hong Kong SAR	73 (1.9)	
Turkey	72 (2.3)	
Chile	70 (2.2)	▼
Morocco	69 (2.5)	▼
United Arab Emirates	67 (1.2)	▼
Qatar	67 (1.7)	▼
Oman	65 (1.5)	▼
Bahrain	64 (2.4)	▼
Portugal	64 (2.4)	▼
Saudi Arabia	64 (2.3)	▼
Iran, Islamic Rep. of	58 (3.0)	▼
Kuwait	48 (2.4)	▼
Belgium (Flemish)	35 (2.5)	▼
Netherlands	26 (2.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	83 (2.3)	▲
Ontario, Canada	83 (1.7)	▲
Norway (4)	79 (2.2)	
Quebec, Canada	76 (2.7)	
Dubai, UAE	74 (1.6)	
Buenos Aires, Argentina	68 (2.6)	▼
Abu Dhabi, UAE	63 (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**

**S10\_02 (S061138): Lions take care of young**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Croatia	82 (1.6)	▲
Slovenia	76 (2.2)	▲
Czech Republic	75 (1.9)	▲
Serbia	73 (2.2)	▲
Russian Federation	71 (2.2)	▲
Denmark	71 (2.5)	▲
Norway (5)	68 (2.2)	▲
Singapore	67 (2.0)	▲
United States	66 (1.4)	▲
Japan	65 (2.1)	▲
Finland	65 (2.3)	▲
Sweden	65 (2.4)	▲
Poland	64 (2.1)	▲
Portugal	63 (1.9)	▲
Canada	62 (1.4)	▲
Hungary	62 (2.4)	▲
Ireland	61 (2.1)	▲
Lithuania	60 (2.4)	▲
Slovak Republic	58 (2.1)	▲
Bulgaria	58 (2.3)	▲
Turkey	58 (2.1)	▲
Kazakhstan	56 (2.5)	
Hong Kong SAR	56 (2.2)	
Chinese Taipei	54 (2.0)	
<b>International Avg.</b>	<b>53 (0.3)</b>	
Belgium (Flemish)	53 (2.0)	
England	51 (2.2)	
Germany	50 (2.0)	
Netherlands	50 (2.2)	
Spain	49 (2.0)	
Northern Ireland	49 (3.0)	
New Zealand	48 (2.0)	▼
Australia	48 (2.2)	▼
Bahrain	47 (2.1)	▼
Cyprus	45 (2.0)	▼
Italy	43 (2.6)	▼
Chile	42 (2.0)	▼
Korea, Rep. of	41 (1.9)	▼
France	41 (2.3)	▼
Georgia	37 (2.5)	▼
Qatar	37 (2.2)	▼
United Arab Emirates	37 (1.3)	▼
Indonesia	34 (2.6)	▼
Oman	29 (1.6)	▼
Iran, Islamic Rep. of	28 (2.5)	▼
Kuwait	28 (2.5)	▼
Saudi Arabia	26 (2.0)	▼
Morocco	16 (1.9)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	71 (3.0)	▲
Florida, US	66 (2.8)	▲
Ontario, Canada	59 (2.3)	▲
Norway (4)	55 (2.7)	
Dubai, UAE	52 (1.9)	
Abu Dhabi, UAE	30 (2.4)	▼
Buenos Aires, Argentina	29 (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**

**S10\_03A (S061016A): Living things that hawk eats**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Poland	72 (2.3)	▲
Norway (5)	69 (2.2)	▲
Bulgaria	68 (2.1)	▲
Korea, Rep. of	65 (2.1)	▲
Russian Federation	65 (2.6)	▲
Finland	65 (2.0)	▲
Spain	64 (1.9)	▲
United States	64 (1.6)	▲
Italy	64 (2.6)	▲
Japan	63 (2.0)	▲
Denmark	63 (2.2)	▲
Singapore	62 (1.9)	▲
Ireland	59 (2.2)	
Hong Kong SAR	59 (2.9)	
Chile	59 (2.1)	
Serbia	58 (2.1)	
England	58 (2.5)	
Germany	58 (2.6)	
Chinese Taipei	57 (2.3)	
Sweden	57 (2.4)	
Portugal	56 (2.1)	
Northern Ireland	56 (2.6)	
Slovenia	56 (2.0)	
Czech Republic	56 (2.2)	
Hungary	56 (2.3)	
Cyprus	55 (2.1)	
Canada	55 (1.5)	
Belgium (Flemish)	55 (2.1)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Australia	54 (2.2)	
Bahrain	54 (2.3)	
Netherlands	52 (2.1)	
Lithuania	50 (2.6)	
Oman	50 (1.5)	▼
France	50 (2.6)	
United Arab Emirates	49 (1.4)	▼
Slovak Republic	49 (2.4)	▼
Qatar	48 (2.1)	▼
New Zealand	47 (2.2)	▼
Turkey	46 (1.8)	▼
Croatia	45 (2.7)	▼
Kazakhstan	45 (2.1)	▼
Iran, Islamic Rep. of	44 (3.2)	▼
Georgia	42 (2.7)	▼
Saudi Arabia	42 (2.0)	▼
Morocco	38 (2.5)	▼
Kuwait	32 (2.2)	▼
Indonesia	32 (2.4)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	64 (1.6)	▲
Florida, US	61 (3.4)	▲
Ontario, Canada	59 (2.1)	▲
Quebec, Canada	55 (3.6)	
Norway (4)	51 (2.2)	
Abu Dhabi, UAE	43 (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**

**S10\_03B (S061016B): Animals compete for food**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Bulgaria	78 (2.0)	▲
Korea, Rep. of	61 (2.2)	▲
Singapore	56 (2.0)	▲
Norway (5)	54 (2.8)	▲
Russian Federation	53 (2.2)	▲
Hong Kong SAR	50 (3.0)	▲
Finland	50 (2.2)	▲
Sweden	50 (2.8)	▲
France	47 (2.6)	▲
Chinese Taipei	47 (2.2)	▲
United States	47 (1.6)	▲
Spain	46 (2.1)	▲
Serbia	45 (2.7)	▲
Germany	44 (2.2)	▲
Czech Republic	44 (2.3)	▲
Portugal	43 (2.4)	▲
Denmark	43 (2.5)	▲
England	42 (2.2)	▲
Ireland	42 (2.3)	▲
Slovenia	41 (2.6)	
Poland	41 (2.4)	
Hungary	41 (2.1)	
Australia	38 (2.4)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
Belgium (Flemish)	37 (1.8)	
Italy	36 (2.1)	
Chile	35 (1.9)	
Northern Ireland	35 (2.2)	
Canada	35 (1.6)	
Japan	33 (2.2)	
Cyprus	31 (1.9)	▼
New Zealand	31 (1.9)	▼
Slovak Republic	30 (2.2)	▼
Lithuania	30 (2.5)	▼
Bahrain	30 (2.7)	▼
Netherlands	30 (2.3)	▼
United Arab Emirates	29 (1.2)	▼
Oman	29 (1.8)	▼
Croatia	28 (2.1)	▼
Kazakhstan	26 (2.3)	▼
Turkey	20 (1.4)	▼
Qatar	19 (1.5)	▼
Georgia	17 (2.2)	▼
Saudi Arabia	16 (1.8)	▼
Kuwait	15 (2.2)	▼
Morocco	14 (1.9)	▼
Iran, Islamic Rep. of	14 (2.2)	▼
Indonesia	12 (1.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	45 (2.2)	▲
Florida, US	42 (3.0)	
Norway (4)	39 (2.5)	
Ontario, Canada	39 (2.5)	
Quebec, Canada	32 (3.0)	
Abu Dhabi, UAE	24 (2.1)	▼
Buenos Aires, Argentina	17 (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**

**S10\_04 (S061011): Plant left in a dark room**  
**Constructed Response (1 Point)**

Country	Percent Correct	
England	79 (1.8)	▲
Ireland	79 (2.1)	▲
Korea, Rep. of	79 (1.7)	▲
Chinese Taipei	78 (1.9)	▲
Australia	78 (1.6)	▲
United States	77 (1.2)	▲
Canada	77 (1.2)	▲
Finland	77 (1.8)	▲
Norway (5)	76 (1.9)	▲
Sweden	74 (2.0)	▲
Slovenia	74 (2.0)	▲
New Zealand	74 (2.0)	▲
Singapore	73 (1.6)	▲
Northern Ireland	73 (2.0)	▲
Poland	73 (1.7)	▲
Netherlands	72 (2.2)	▲
Russian Federation	72 (1.8)	▲
Lithuania	72 (2.1)	▲
Czech Republic	72 (1.8)	▲
Hong Kong SAR	72 (1.8)	▲
Germany	71 (2.0)	▲
Spain	70 (1.7)	▲
Hungary	69 (2.1)	▲
Croatia	68 (2.2)	▲
Denmark	68 (2.3)	▲
Portugal	68 (2.0)	▲
Chile	67 (2.3)	
Serbia	66 (2.2)	
Belgium (Flemish)	65 (2.8)	
Kazakhstan	64 (2.6)	
Slovak Republic	64 (2.1)	
Bulgaria	63 (2.4)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Japan	61 (2.1)	
Italy	61 (2.6)	
Cyprus	59 (2.2)	
Bahrain	55 (2.2)	▼
France	54 (2.3)	▼
United Arab Emirates	49 (1.4)	▼
Iran, Islamic Rep. of	46 (3.2)	▼
Qatar	44 (2.4)	▼
Turkey	44 (1.7)	▼
Oman	41 (1.6)	▼
Georgia	36 (2.3)	▼
Indonesia	32 (2.6)	▼
Saudi Arabia	30 (2.1)	▼
Kuwait	28 (2.7)	▼
Morocco	9 (1.4)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	78 (1.6)	▲
Quebec, Canada	77 (2.7)	▲
Florida, US	74 (3.2)	▲
Norway (4)	69 (2.1)	▲
Dubai, UAE	65 (1.7)	
Abu Dhabi, UAE	44 (2.4)	▼
Buenos Aires, Argentina	44 (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**

**S10\_06 (S061083): Temperature and state of matter (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Croatia	90 (1.3)	▲
Chinese Taipei	89 (1.5)	▲
Singapore	89 (1.0)	▲
Russian Federation	88 (1.9)	▲
Hong Kong SAR	88 (1.3)	▲
Italy	87 (1.8)	▲
Hungary	87 (1.6)	▲
Spain	86 (1.6)	▲
Korea, Rep. of	86 (1.8)	▲
England	85 (1.7)	▲
Bulgaria	83 (2.0)	▲
United States	82 (1.2)	▲
Australia	81 (2.0)	▲
Lithuania	81 (1.8)	▲
Northern Ireland	80 (2.3)	▲
Czech Republic	80 (1.6)	▲
Poland	79 (1.9)	▲
Chile	78 (1.4)	▲
Ireland	78 (2.0)	▲
Bahrain	78 (1.7)	▲
Slovenia	77 (2.0)	▲
Portugal	77 (1.6)	▲
Finland	77 (1.9)	▲
France	76 (2.0)	▲
Denmark	74 (2.1)	
Slovak Republic	74 (1.9)	
Cyprus	73 (1.7)	
Canada	73 (1.7)	
Sweden	72 (2.5)	
<b>International Avg.</b>	<b>72 (0.3)</b>	
Serbia	72 (2.2)	
New Zealand	72 (2.0)	
United Arab Emirates	70 (1.2)	
Iran, Islamic Rep. of	70 (2.5)	
Norway (5)	70 (1.8)	
Japan	69 (2.0)	
Kazakhstan	67 (2.5)	▼
Turkey	66 (1.8)	▼
Qatar	66 (2.0)	▼
Germany	64 (2.1)	▼
Indonesia	59 (3.1)	▼
Saudi Arabia	56 (2.3)	▼
Morocco	51 (2.5)	▼
Kuwait	47 (2.2)	▼
Oman	43 (1.6)	▼
Belgium (Flemish)	42 (1.9)	▼
Netherlands	36 (2.8)	▼
Georgia	35 (2.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	89 (2.0)	▲
Dubai, UAE	87 (1.2)	▲
Ontario, Canada	76 (2.0)	▲
Quebec, Canada	68 (4.4)	
Norway (4)	64 (2.0)	▼
Abu Dhabi, UAE	56 (2.5)	▼
Buenos Aires, Argentina	51 (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**

**S10\_06B (S061083B): Temperature and state of matter: oxygen**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	98 (0.6)	▲
Hong Kong SAR	98 (0.9)	▲
Chinese Taipei	97 (0.7)	▲
Singapore	97 (0.6)	▲
Russian Federation	95 (1.2)	▲
Croatia	93 (1.1)	▲
England	93 (1.2)	▲
Hungary	92 (1.2)	▲
Italy	92 (1.5)	▲
Czech Republic	91 (1.1)	▲
Spain	91 (1.2)	▲
Northern Ireland	90 (1.5)	▲
Bulgaria	90 (1.6)	▲
United States	90 (0.9)	▲
Ireland	89 (1.3)	▲
Bahrain	89 (1.6)	▲
Slovenia	89 (1.5)	▲
Denmark	89 (1.6)	▲
Australia	88 (1.7)	▲
Lithuania	88 (1.4)	▲
France	88 (1.5)	▲
Poland	88 (1.6)	▲
Portugal	88 (1.3)	▲
Cyprus	87 (1.4)	▲
Finland	86 (1.6)	
Serbia	86 (1.9)	
Japan	86 (1.5)	
Chile	85 (1.3)	
Turkey	85 (1.4)	
Norway (5)	85 (1.5)	
Canada	85 (1.4)	
Slovak Republic	85 (1.4)	
Kazakhstan	84 (1.6)	
<b>International Avg.</b>	<b>84 (0.2)</b>	
Germany	84 (1.6)	
Sweden	83 (2.0)	
New Zealand	81 (1.5)	
United Arab Emirates	81 (1.0)	▼
Iran, Islamic Rep. of	80 (2.3)	
Qatar	79 (2.0)	▼
Saudi Arabia	69 (2.0)	▼
Indonesia	67 (2.8)	▼
Oman	66 (1.5)	▼
Morocco	65 (2.4)	▼
Georgia	62 (2.6)	▼
Belgium (Flemish)	62 (2.1)	▼
Kuwait	61 (2.6)	▼
Netherlands	45 (2.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	95 (1.3)	▲
Dubai, UAE	93 (1.0)	▲
Quebec, Canada	87 (2.6)	
Ontario, Canada	86 (1.6)	
Norway (4)	81 (1.8)	
Abu Dhabi, UAE	68 (2.4)	▼
Buenos Aires, Argentina	61 (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**

**S10\_06C (S061083C): Temperature and state of matter: oil**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Chinese Taipei	97 (0.9)	▲
Hong Kong SAR	96 (1.0)	▲
Singapore	96 (0.7)	▲
Italy	96 (0.9)	▲
Czech Republic	95 (0.9)	▲
Hungary	95 (1.0)	▲
Lithuania	94 (0.9)	▲
Spain	94 (0.9)	▲
Croatia	94 (1.1)	▲
Russian Federation	92 (1.4)	▲
Bulgaria	92 (1.5)	▲
Poland	92 (1.2)	▲
France	92 (1.2)	▲
Germany	91 (1.4)	▲
England	91 (1.2)	▲
Australia	91 (1.5)	▲
Finland	91 (1.4)	▲
Cyprus	89 (1.2)	▲
Bahrain	89 (1.2)	▲
Slovak Republic	89 (1.3)	▲
Chile	89 (1.1)	▲
Japan	88 (1.3)	▲
Northern Ireland	88 (2.0)	
Korea, Rep. of	87 (1.7)	
Norway (5)	87 (1.6)	
Denmark	87 (1.8)	
United States	87 (1.1)	▲
Ireland	85 (2.0)	
<b>International Avg.</b>	<b>84 (0.2)</b>	
United Arab Emirates	84 (0.9)	
Sweden	84 (2.0)	
Portugal	83 (1.5)	
Slovenia	83 (1.8)	
Serbia	83 (1.9)	
New Zealand	82 (1.7)	
Iran, Islamic Rep. of	80 (2.3)	▼
Canada	79 (1.6)	▼
Kazakhstan	78 (1.9)	▼
Qatar	77 (2.0)	▼
Indonesia	75 (2.8)	▼
Saudi Arabia	74 (2.0)	▼
Turkey	73 (1.7)	▼
Morocco	72 (2.0)	▼
Kuwait	69 (2.1)	▼
Belgium (Flemish)	67 (2.0)	▼
Georgia	60 (2.5)	▼
Oman	55 (1.5)	▼
Netherlands	52 (2.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	93 (1.4)	▲
Dubai, UAE	93 (0.9)	▲
Norway (4)	82 (1.8)	
Ontario, Canada	82 (1.7)	
Quebec, Canada	75 (4.2)	▼
Abu Dhabi, UAE	74 (2.0)	▼
Buenos Aires, Argentina	72 (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**

**S10\_06D (S061083D): Temperature and state of matter: salt**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	96 (0.9)	▲
Croatia	93 (1.1)	▲
Russian Federation	92 (1.4)	▲
Singapore	91 (0.9)	▲
Hungary	91 (1.5)	▲
Italy	91 (1.4)	▲
Chinese Taipei	91 (1.4)	▲
Portugal	90 (1.3)	▲
United States	90 (0.9)	▲
Spain	89 (1.4)	▲
England	89 (1.5)	▲
Hong Kong SAR	88 (1.3)	▲
Slovenia	88 (1.5)	▲
Sweden	87 (1.5)	▲
Australia	87 (1.8)	▲
Lithuania	87 (1.4)	▲
Finland	86 (1.7)	▲
Ireland	86 (1.5)	▲
Northern Ireland	86 (2.0)	▲
Bulgaria	86 (1.8)	▲
Canada	86 (1.2)	▲
Poland	84 (1.7)	▲
Czech Republic	84 (1.5)	▲
Chile	83 (1.2)	
Bahrain	82 (1.8)	
Turkey	82 (1.5)	
France	82 (1.7)	
Serbia	81 (1.9)	
New Zealand	81 (1.7)	
Slovak Republic	81 (1.7)	
<b>International Avg.</b>	<b>80 (0.3)</b>	
Iran, Islamic Rep. of	79 (2.3)	
Denmark	77 (1.9)	
United Arab Emirates	77 (1.1)	▼
Kazakhstan	77 (2.0)	
Norway (5)	76 (1.7)	▼
Cyprus	75 (1.5)	▼
Indonesia	73 (3.1)	▼
Japan	72 (2.0)	▼
Germany	71 (2.0)	▼
Qatar	71 (1.9)	▼
Netherlands	68 (2.4)	▼
Oman	62 (1.6)	▼
Saudi Arabia	62 (2.2)	▼
Morocco	62 (2.5)	▼
Belgium (Flemish)	60 (1.7)	▼
Kuwait	60 (1.9)	▼
Georgia	45 (2.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	92 (1.5)	▲
Dubai, UAE	91 (0.9)	▲
Ontario, Canada	87 (1.4)	▲
Quebec, Canada	85 (2.9)	
Norway (4)	72 (1.8)	▼
Abu Dhabi, UAE	66 (2.2)	▼
Buenos Aires, Argentina	64 (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**

**S10\_07 (S061034): Wet clay dries**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	71 (2.2)	▲
Japan	53 (2.3)	▲
Bulgaria	50 (2.4)	▲
Chinese Taipei	49 (2.3)	▲
Hungary	46 (2.2)	▲
Kazakhstan	41 (2.0)	▲
Portugal	41 (2.2)	▲
Singapore	38 (2.1)	▲
Poland	38 (2.2)	▲
Russian Federation	34 (2.5)	▲
Sweden	33 (2.6)	▲
Slovenia	33 (2.7)	▲
Slovak Republic	33 (2.1)	▲
Czech Republic	31 (1.9)	▲
Bahrain	30 (1.9)	▲
France	27 (2.2)	
United States	26 (1.5)	
Germany	25 (1.9)	
Croatia	25 (2.0)	
<b>International Avg.</b>	<b>24 (0.3)</b>	
Qatar	24 (1.7)	
Serbia	23 (1.9)	
Hong Kong SAR	23 (2.0)	
Canada	23 (1.2)	
United Arab Emirates	22 (1.1)	▼
Turkey	19 (1.4)	▼
Finland	19 (1.8)	▼
England	18 (1.8)	▼
Cyprus	18 (1.6)	▼
Italy	18 (1.9)	▼
Oman	17 (1.4)	▼
Spain	17 (1.6)	▼
Australia	16 (1.8)	▼
Lithuania	16 (1.6)	▼
Netherlands	14 (1.6)	▼
Norway (5)	14 (1.8)	▼
Denmark	13 (1.8)	▼
Morocco	13 (2.1)	▼
New Zealand	13 (1.5)	▼
Saudi Arabia	12 (1.6)	▼
Ireland	12 (1.7)	▼
Georgia	11 (1.9)	▼
Chile	10 (1.2)	▼
Northern Ireland	10 (1.7)	▼
Iran, Islamic Rep. of	7 (1.4)	▼
Kuwait	7 (1.2)	▼
Indonesia	7 (1.2)	▼
Belgium (Flemish)	5 (0.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	33 (2.3)	▲
Quebec, Canada	30 (2.6)	▲
Florida, US	25 (2.7)	
Ontario, Canada	21 (1.7)	
Abu Dhabi, UAE	13 (2.0)	▼
Norway (4)	7 (1.2)	▼
Buenos Aires, Argentina	6 (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**

**S10\_08 (S061044): Separate sand from pebbles**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	85 (1.7)	▲
Poland	69 (2.2)	▲
Slovenia	67 (2.2)	▲
Denmark	67 (2.4)	▲
Germany	62 (2.3)	▲
Norway (5)	60 (2.5)	▲
Hungary	55 (2.3)	▲
Finland	54 (2.6)	▲
Turkey	54 (2.1)	▲
Japan	53 (2.1)	▲
Serbia	52 (2.6)	▲
Slovak Republic	50 (2.2)	▲
Bulgaria	50 (2.5)	▲
England	46 (2.4)	▲
Russian Federation	45 (2.2)	▲
Croatia	44 (2.3)	▲
Belgium (Flemish)	43 (2.1)	▲
Netherlands	41 (2.2)	
Kazakhstan	40 (2.6)	
Sweden	40 (2.3)	
Spain	39 (1.8)	
<b>International Avg.</b>	<b>38 (0.3)</b>	
Czech Republic	34 (2.5)	
Chile	34 (2.0)	
Ireland	34 (2.0)	▼
United States	34 (1.3)	▼
France	33 (2.5)	▼
Italy	32 (2.0)	▼
Singapore	31 (1.6)	▼
Bahrain	30 (2.4)	▼
Canada	29 (1.6)	▼
Chinese Taipei	28 (2.0)	▼
New Zealand	28 (1.8)	▼
Northern Ireland	26 (2.1)	▼
Portugal	26 (2.0)	▼
Australia	26 (1.8)	▼
Indonesia	26 (2.4)	▼
Georgia	25 (2.3)	▼
Hong Kong SAR	24 (2.1)	▼
Lithuania	23 (2.0)	▼
Cyprus	22 (1.9)	▼
Oman	22 (1.4)	▼
Saudi Arabia	19 (2.1)	▼
United Arab Emirates	18 (1.1)	▼
Qatar	16 (1.4)	▼
Iran, Islamic Rep. of	14 (1.9)	▼
Kuwait	11 (1.9)	▼
Morocco	11 (2.2)	▼
<b>Benchmarking Participants</b>		
Norway (4)	58 (2.8)	▲
Quebec, Canada	32 (4.0)	
Dubai, UAE	29 (2.4)	▼
Ontario, Canada	28 (1.9)	▼
Florida, US	26 (2.4)	▼
Buenos Aires, Argentina	17 (2.2)	▼
Abu Dhabi, UAE	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**

**S10\_09A (S061142A): Karl dissolving sugar (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Chinese Taipei	72 (1.8)	▲
Poland	63 (2.3)	▲
Hong Kong SAR	63 (2.2)	▲
Finland	61 (2.1)	▲
Korea, Rep. of	59 (2.0)	▲
Slovenia	56 (2.0)	▲
Japan	56 (1.7)	▲
Germany	56 (2.1)	▲
Russian Federation	54 (2.9)	▲
Sweden	54 (2.4)	▲
Northern Ireland	52 (3.3)	▲
Czech Republic	52 (1.9)	▲
Hungary	51 (2.4)	▲
Belgium (Flemish)	51 (2.2)	▲
Bulgaria	50 (2.4)	▲
Slovak Republic	50 (2.1)	▲
Singapore	49 (1.9)	▲
Serbia	48 (2.8)	▲
Lithuania	48 (2.4)	▲
Croatia	47 (2.5)	▲
Netherlands	47 (2.4)	▲
Norway (5)	44 (2.0)	
Italy	43 (2.2)	
United States	43 (1.5)	
Australia	42 (2.4)	
<b>International Avg.</b>	<b>41 (0.3)</b>	
Ireland	41 (2.4)	
New Zealand	40 (2.0)	
Cyprus	40 (1.9)	
Denmark	40 (2.4)	
Kazakhstan	40 (2.6)	
England	39 (2.1)	
Canada	39 (1.6)	
France	38 (2.1)	
Portugal	38 (1.8)	▼
Spain	34 (1.8)	▼
Bahrain	29 (1.9)	▼
Turkey	27 (1.6)	▼
United Arab Emirates	27 (1.0)	▼
Georgia	24 (2.1)	▼
Qatar	23 (1.9)	▼
Saudi Arabia	22 (2.0)	▼
Chile	21 (1.6)	▼
Oman	18 (1.4)	▼
Kuwait	13 (2.1)	▼
Indonesia	11 (1.6)	▼
Morocco	11 (2.2)	▼
Iran, Islamic Rep. of	7 (1.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	41 (3.1)	
Norway (4)	39 (2.8)	
Florida, US	38 (2.1)	
Ontario, Canada	36 (2.3)	▼
Dubai, UAE	35 (1.6)	▼
Abu Dhabi, UAE	24 (1.7)	▼
Buenos Aires, Argentina	21 (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**

**S10\_09AA (S061142AA): Karl dissolving sugar: temperature**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Poland	86 (1.7)	▲
Chinese Taipei	85 (1.4)	▲
Slovenia	82 (1.8)	▲
Hong Kong SAR	82 (1.5)	▲
Korea, Rep. of	81 (1.7)	▲
Northern Ireland	81 (2.3)	▲
Belgium (Flemish)	81 (1.5)	▲
Sweden	80 (2.1)	▲
Finland	79 (1.6)	▲
Germany	79 (1.7)	▲
Russian Federation	76 (1.6)	▲
Czech Republic	76 (1.8)	▲
Croatia	76 (1.8)	▲
Slovak Republic	75 (1.9)	▲
Netherlands	75 (2.1)	▲
Hungary	74 (2.5)	▲
Japan	73 (1.7)	▲
Singapore	73 (1.8)	▲
Serbia	72 (2.5)	▲
Bulgaria	70 (2.1)	▲
Lithuania	68 (2.3)	▲
Ireland	67 (2.0)	▲
Norway (5)	66 (2.1)	
Australia	64 (2.3)	
New Zealand	63 (2.1)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Denmark	63 (2.1)	
England	62 (2.2)	
Italy	62 (2.3)	
Canada	61 (1.8)	
United States	60 (1.5)	
Portugal	60 (1.8)	
France	60 (2.2)	
Kazakhstan	60 (2.7)	
Cyprus	60 (2.0)	
Turkey	53 (1.8)	▼
Spain	50 (2.1)	▼
Bahrain	49 (2.2)	▼
United Arab Emirates	48 (1.1)	▼
Georgia	45 (2.7)	▼
Qatar	44 (2.2)	▼
Saudi Arabia	40 (2.1)	▼
Oman	37 (1.7)	▼
Chile	34 (1.9)	▼
Morocco	33 (2.5)	▼
Kuwait	32 (2.5)	▼
Iran, Islamic Rep. of	24 (2.3)	▼
Indonesia	23 (2.2)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	66 (3.8)	
Ontario, Canada	60 (2.2)	
Norway (4)	59 (2.7)	
Florida, US	58 (2.6)	
Dubai, UAE	54 (1.9)	▼
Abu Dhabi, UAE	46 (2.4)	▼
Buenos Aires, Argentina	33 (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**

**S10\_09AB (S061142AB): Karl dissolving sugar: stirring**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	88 (1.4)	▲
Poland	85 (2.0)	▲
Sweden	83 (1.8)	▲
Hungary	83 (1.6)	▲
Northern Ireland	82 (2.6)	▲
Russian Federation	82 (1.5)	▲
Belgium (Flemish)	82 (1.6)	▲
Korea, Rep. of	80 (1.7)	▲
Croatia	79 (2.0)	▲
Slovenia	79 (1.6)	▲
Finland	79 (1.5)	▲
Hong Kong SAR	78 (1.9)	▲
Japan	78 (1.5)	▲
Czech Republic	78 (1.6)	▲
Netherlands	77 (1.9)	▲
Serbia	77 (2.7)	▲
Lithuania	77 (2.2)	▲
Bulgaria	76 (2.2)	▲
Germany	76 (1.8)	▲
Italy	74 (2.1)	▲
Norway (5)	72 (1.9)	▲
Slovak Republic	72 (2.0)	▲
United States	69 (1.4)	
Portugal	68 (1.8)	
England	68 (2.3)	
<b>International Avg.</b>	<b>67 (0.3)</b>	
Cyprus	66 (2.1)	
Canada	66 (1.9)	
France	66 (2.2)	
Denmark	66 (2.4)	
Ireland	65 (2.4)	
Singapore	65 (1.7)	
Australia	63 (2.2)	
Spain	62 (1.7)	▼
Kazakhstan	62 (2.4)	▼
New Zealand	60 (2.0)	▼
Bahrain	59 (2.2)	▼
Turkey	57 (1.9)	▼
United Arab Emirates	54 (1.3)	▼
Georgia	51 (2.5)	▼
Qatar	47 (2.0)	▼
Indonesia	47 (2.3)	▼
Saudi Arabia	47 (2.3)	▼
Oman	46 (1.4)	▼
Iran, Islamic Rep. of	45 (3.4)	▼
Chile	43 (2.3)	▼
Kuwait	37 (2.5)	▼
Morocco	33 (2.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	69 (2.5)	
Quebec, Canada	69 (2.8)	
Norway (4)	66 (2.3)	
Ontario, Canada	65 (3.3)	
Dubai, UAE	58 (1.9)	▼
Abu Dhabi, UAE	49 (2.2)	▼
Buenos Aires, Argentina	42 (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**

**S10\_09AC (S061142AC): Karl dissolving sugar: size**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	76 (1.6)	▲
Poland	74 (1.9)	▲
Finland	73 (2.4)	▲
Hong Kong SAR	72 (2.3)	▲
Germany	70 (2.0)	▲
Northern Ireland	69 (2.5)	▲
Japan	68 (1.8)	▲
Slovenia	68 (1.9)	▲
Sweden	67 (2.1)	▲
Korea, Rep. of	67 (2.0)	▲
Singapore	66 (1.8)	▲
Czech Republic	66 (2.0)	▲
Slovak Republic	65 (1.8)	▲
United States	64 (1.3)	▲
Norway (5)	63 (2.3)	▲
Australia	62 (2.3)	▲
Belgium (Flemish)	62 (2.1)	
Netherlands	61 (2.4)	
Russian Federation	61 (2.6)	
Bulgaria	61 (2.2)	
New Zealand	60 (1.8)	
Hungary	60 (2.4)	
Canada	60 (1.3)	
Croatia	59 (2.6)	
Denmark	59 (2.2)	
Ireland	59 (2.4)	
Serbia	59 (2.7)	
Italy	59 (2.1)	
Lithuania	58 (2.4)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
Kazakhstan	57 (2.4)	
Cyprus	54 (1.9)	
Portugal	53 (1.9)	▼
Bahrain	52 (2.2)	▼
England	51 (1.9)	▼
United Arab Emirates	51 (1.4)	▼
Spain	51 (1.7)	▼
France	50 (1.9)	▼
Oman	48 (1.5)	▼
Saudi Arabia	48 (2.5)	▼
Georgia	47 (2.9)	▼
Qatar	44 (2.2)	▼
Chile	42 (2.3)	▼
Kuwait	41 (2.0)	▼
Turkey	41 (1.7)	▼
Indonesia	37 (2.6)	▼
Morocco	37 (2.9)	▼
Iran, Islamic Rep. of	30 (2.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	64 (3.2)	
Norway (4)	60 (2.7)	
Florida, US	59 (2.8)	
Ontario, Canada	56 (1.9)	
Dubai, UAE	56 (1.8)	
Abu Dhabi, UAE	50 (2.3)	▼
Buenos Aires, Argentina	35 (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**

**S10\_09B (S061142B): Importance of controlling amount of water**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	78 (1.7)	▲
Chinese Taipei	59 (2.6)	▲
England	57 (2.5)	▲
Belgium (Flemish)	50 (1.5)	▲
Japan	50 (2.1)	▲
Croatia	41 (2.6)	▲
Ireland	41 (2.8)	▲
Russian Federation	39 (2.0)	▲
Korea, Rep. of	37 (2.2)	▲
Norway (5)	36 (2.1)	▲
Finland	33 (1.6)	▲
Slovenia	33 (2.2)	▲
Northern Ireland	32 (2.4)	▲
Canada	32 (1.8)	▲
Netherlands	31 (1.9)	▲
Australia	31 (2.0)	▲
Turkey	28 (1.6)	
Serbia	27 (2.3)	
Hungary	26 (2.1)	
Germany	26 (2.0)	
<b>International Avg.</b>	<b>26 (0.3)</b>	
United States	25 (1.3)	
Sweden	24 (2.2)	
Poland	24 (2.2)	
Czech Republic	24 (2.0)	
Italy	22 (2.2)	
Denmark	22 (1.6)	▼
Spain	22 (1.5)	▼
Hong Kong SAR	21 (2.1)	▼
Bulgaria	21 (2.0)	▼
Kazakhstan	18 (1.6)	▼
New Zealand	17 (1.5)	▼
Portugal	17 (1.7)	▼
Lithuania	16 (2.0)	▼
Slovak Republic	16 (1.4)	▼
France	14 (1.9)	▼
United Arab Emirates	14 (1.0)	▼
Bahrain	14 (1.8)	▼
Iran, Islamic Rep. of	13 (1.9)	▼
Chile	12 (1.5)	▼
Oman	12 (1.3)	▼
Qatar	11 (1.3)	▼
Georgia	11 (1.7)	▼
Cyprus	9 (1.1)	▼
Indonesia	5 (1.0)	▼
Kuwait	4 (1.1)	▼
Saudi Arabia	4 (0.6)	▼
Morocco	1 (0.6)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	34 (4.3)	▲
Ontario, Canada	33 (2.3)	▲
Dubai, UAE	29 (1.8)	▲
Florida, US	29 (3.5)	
Norway (4)	22 (1.8)	
Abu Dhabi, UAE	9 (1.6)	▼
Buenos Aires, Argentina	6 (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**

**S10\_10A (S061115A): Rainfall for different crops**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	73 (1.8)	▲
Singapore	72 (1.5)	▲
Poland	70 (2.4)	▲
Hong Kong SAR	70 (2.4)	▲
Finland	67 (2.2)	▲
Bulgaria	67 (2.6)	▲
Russian Federation	67 (1.8)	▲
Netherlands	67 (2.1)	▲
Northern Ireland	66 (2.3)	▲
Norway (5)	65 (1.8)	▲
England	65 (2.1)	▲
Hungary	65 (2.2)	▲
Spain	65 (1.8)	▲
Ireland	64 (2.6)	▲
Sweden	64 (2.6)	▲
Czech Republic	63 (2.0)	▲
Chinese Taipei	63 (2.0)	▲
United States	62 (1.4)	▲
Germany	62 (2.2)	▲
Slovenia	61 (2.5)	
Lithuania	60 (2.4)	
Italy	60 (2.1)	
Denmark	59 (2.6)	
Croatia	59 (2.6)	
New Zealand	58 (1.8)	
Belgium (Flemish)	57 (2.2)	
International Avg.	56 (0.3)	
Canada	56 (1.6)	
Australia	55 (2.3)	
Japan	55 (2.2)	
France	55 (2.3)	
Serbia	53 (2.6)	
Chile	51 (1.9)	▼
Georgia	50 (2.6)	▼
Cyprus	50 (2.0)	▼
Kazakhstan	49 (2.7)	▼
Slovak Republic	49 (2.2)	▼
Portugal	49 (2.2)	▼
United Arab Emirates	47 (1.2)	▼
Bahrain	43 (2.3)	▼
Qatar	42 (1.8)	▼
Kuwait	41 (2.3)	▼
Turkey	38 (1.8)	▼
Oman	37 (1.9)	▼
Morocco	35 (2.1)	▼
Indonesia	35 (2.5)	▼
Iran, Islamic Rep. of	34 (2.8)	▼
Saudi Arabia	33 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	69 (2.1)	▲
Dubai, UAE	58 (2.2)	
Ontario, Canada	56 (2.3)	
Quebec, Canada	55 (3.7)	
Norway (4)	51 (2.4)	
Buenos Aires, Argentina	42 (3.0)	▼
Abu Dhabi, UAE	41 (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**

**S10\_10B (S061115B): Farmer on tropical island**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Hong Kong SAR	69 (2.3)	▲
Korea, Rep. of	68 (2.2)	▲
Singapore	66 (1.9)	▲
Norway (5)	66 (2.8)	▲
Sweden	63 (2.0)	▲
Finland	63 (2.1)	▲
Poland	63 (1.9)	▲
Ireland	63 (2.5)	▲
Netherlands	62 (2.1)	▲
England	61 (2.2)	▲
Northern Ireland	61 (2.7)	▲
Lithuania	59 (2.5)	▲
Croatia	58 (2.1)	▲
Slovenia	58 (2.2)	▲
Japan	58 (1.8)	▲
Chinese Taipei	58 (2.4)	▲
United States	58 (1.3)	▲
Czech Republic	57 (2.4)	▲
Spain	56 (2.2)	▲
Germany	56 (2.6)	
Russian Federation	56 (2.4)	
Hungary	56 (2.0)	▲
Denmark	56 (2.4)	
Australia	55 (2.5)	
Belgium (Flemish)	54 (2.2)	
Slovak Republic	54 (1.8)	
Portugal	53 (2.0)	
New Zealand	52 (1.9)	
<b>International Avg.</b>	<b>52 (0.3)</b>	
Canada	50 (1.5)	
Bulgaria	50 (2.2)	
Serbia	50 (2.2)	
Italy	49 (2.2)	
Kazakhstan	48 (3.0)	
France	48 (2.2)	
United Arab Emirates	47 (1.4)	▼
Cyprus	45 (2.5)	▼
Turkey	45 (2.0)	▼
Qatar	43 (2.3)	▼
Chile	40 (1.7)	▼
Bahrain	38 (3.1)	▼
Oman	35 (1.7)	▼
Saudi Arabia	34 (2.3)	▼
Indonesia	33 (2.3)	▼
Georgia	32 (2.6)	▼
Iran, Islamic Rep. of	32 (2.4)	▼
Kuwait	32 (1.7)	▼
Morocco	31 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	61 (3.0)	▲
Dubai, UAE	54 (1.8)	
Ontario, Canada	53 (1.9)	
Norway (4)	47 (2.4)	▼
Quebec, Canada	46 (3.4)	
Abu Dhabi, UAE	43 (2.0)	▼
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**

**S11\_01 (S051161): Function of human muscles**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Croatia	73 (2.2)	▲
Sweden	71 (1.9)	▲
Kazakhstan	66 (2.2)	▲
Russian Federation	65 (1.8)	▲
Singapore	64 (1.7)	▲
Norway (5)	64 (1.9)	▲
Slovenia	64 (2.5)	▲
Turkey	63 (2.0)	▲
Bulgaria	63 (2.5)	▲
Belgium (Flemish)	62 (2.0)	▲
Poland	61 (2.6)	▲
Slovak Republic	60 (2.3)	▲
Netherlands	60 (2.5)	▲
Hungary	60 (2.2)	▲
Germany	60 (2.3)	▲
Ireland	58 (2.3)	▲
Serbia	58 (2.3)	▲
Japan	56 (2.2)	▲
Italy	51 (2.1)	
<b>International Avg.</b>	<b>50 (0.3)</b>	
Finland	50 (2.3)	
Denmark	50 (2.2)	
Indonesia	49 (2.3)	
England	48 (2.2)	
Czech Republic	48 (2.0)	
New Zealand	47 (1.9)	
Georgia	47 (2.7)	
Northern Ireland	46 (2.9)	
Korea, Rep. of	45 (2.2)	▼
Bahrain	45 (2.4)	▼
Chile	45 (2.3)	▼
France	45 (2.6)	▼
Lithuania	44 (2.5)	▼
Oman	44 (1.9)	▼
Hong Kong SAR	44 (2.8)	▼
United States	43 (1.3)	▼
Saudi Arabia	43 (2.1)	▼
Australia	42 (2.1)	▼
Canada	42 (1.5)	▼
Portugal	40 (2.3)	▼
Iran, Islamic Rep. of	40 (2.8)	▼
United Arab Emirates	40 (1.2)	▼
Morocco	39 (2.6)	▼
Spain	38 (2.3)	▼
Qatar	38 (2.3)	▼
Kuwait	35 (2.8)	▼
Cyprus	34 (1.7)	▼
Chinese Taipei	15 (1.5)	▼
<b>Benchmarking Participants</b>		
Norway (4)	53 (2.6)	
Quebec, Canada	45 (3.1)	
Dubai, UAE	41 (1.9)	▼
Abu Dhabi, UAE	41 (2.0)	▼
Ontario, Canada	39 (1.7)	▼
Florida, US	38 (3.5)	▼
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**

**S11\_02 (S051051): Main function of leaves**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	91 (1.3)	▲
Bahrain	66 (2.2)	▲
Oman	65 (1.9)	▲
Korea, Rep. of	64 (2.1)	▲
Iran, Islamic Rep. of	63 (3.0)	▲
Bulgaria	59 (2.7)	▲
United Arab Emirates	58 (1.3)	▲
Serbia	55 (2.7)	▲
Qatar	55 (1.9)	▲
Hong Kong SAR	53 (2.7)	▲
Sweden	49 (2.5)	▲
Hungary	47 (2.4)	▲
Russian Federation	47 (2.2)	▲
Saudi Arabia	47 (2.3)	▲
Kuwait	45 (2.7)	▲
Japan	45 (2.1)	▲
United States	44 (1.9)	▲
Kazakhstan	43 (2.7)	▲
Italy	42 (3.1)	
Finland	41 (2.8)	
Spain	40 (2.3)	
Croatia	39 (2.8)	
<b>International Avg.</b>	<b>38 (0.3)</b>	
Poland	36 (2.2)	
Czech Republic	36 (2.1)	
Lithuania	36 (2.8)	
Chinese Taipei	36 (2.2)	
Chile	36 (2.1)	
Morocco	35 (2.5)	
Indonesia	32 (2.3)	▼
England	30 (2.3)	▼
Slovenia	30 (2.1)	▼
Portugal	28 (2.2)	▼
Canada	28 (1.5)	▼
Turkey	27 (1.7)	▼
Belgium (Flemish)	22 (1.8)	▼
Georgia	21 (2.5)	▼
Ireland	21 (2.1)	▼
Netherlands	21 (1.9)	▼
Slovak Republic	20 (1.7)	▼
Northern Ireland	18 (2.3)	▼
Australia	17 (2.1)	▼
Cyprus	16 (1.4)	▼
Denmark	16 (1.6)	▼
France	15 (1.3)	▼
Germany	14 (1.6)	▼
Norway (5)	14 (2.1)	▼
New Zealand	13 (1.1)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	66 (1.8)	▲
Florida, US	52 (3.1)	▲
Abu Dhabi, UAE	51 (2.9)	▲
Ontario, Canada	36 (2.4)	
Buenos Aires, Argentina	22 (2.5)	▼
Quebec, Canada	15 (2.6)	▼
Norway (4)	11 (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**

**S11\_03A (S051138A): Cockatoo's features: hello**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Hong Kong SAR	71 (2.3)	▲
Singapore	69 (1.8)	▲
Korea, Rep. of	65 (2.2)	▲
Chinese Taipei	63 (1.9)	▲
Norway (5)	63 (2.2)	▲
Croatia	62 (2.3)	▲
Poland	62 (2.1)	▲
United States	61 (1.6)	▲
Serbia	59 (2.2)	▲
England	59 (2.4)	▲
Russian Federation	58 (2.7)	▲
Japan	56 (2.3)	▲
Lithuania	56 (2.3)	▲
Netherlands	56 (2.5)	▲
Ireland	55 (2.2)	▲
Bulgaria	55 (2.4)	▲
Australia	55 (2.0)	▲
Slovenia	55 (2.5)	▲
Northern Ireland	54 (2.9)	▲
Finland	53 (2.3)	▲
Hungary	52 (2.1)	▲
New Zealand	52 (1.7)	
Sweden	52 (2.2)	
Denmark	50 (2.5)	
Canada	49 (1.5)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
Cyprus	48 (2.0)	
Slovak Republic	48 (2.0)	
Czech Republic	48 (2.0)	
Germany	47 (2.1)	
Portugal	46 (2.2)	
Spain	44 (2.0)	▼
Belgium (Flemish)	44 (2.2)	▼
Kazakhstan	43 (2.8)	
Italy	42 (2.3)	▼
United Arab Emirates	41 (1.3)	▼
Chile	40 (2.4)	▼
Qatar	38 (1.9)	▼
France	35 (2.5)	▼
Bahrain	35 (2.5)	▼
Georgia	33 (2.4)	▼
Saudi Arabia	31 (2.1)	▼
Turkey	31 (1.6)	▼
Morocco	29 (2.4)	▼
Oman	27 (1.4)	▼
Kuwait	27 (2.6)	▼
Iran, Islamic Rep. of	25 (2.6)	▼
Indonesia	23 (2.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	62 (2.3)	▲
Dubai, UAE	54 (2.3)	▲
Norway (4)	53 (2.5)	
Ontario, Canada	50 (2.2)	
Quebec, Canada	47 (3.2)	
Abu Dhabi, UAE	37 (2.2)	▼
Buenos Aires, Argentina	28 (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**

S11\_03B (S051138B): Cockatoo's features: crest  
Multiple Choice (Key is A)

Country	Percent Correct	
Poland	87 (1.5)	▲
Czech Republic	87 (1.5)	▲
Singapore	86 (1.2)	▲
Chinese Taipei	86 (1.6)	▲
Hong Kong SAR	85 (1.7)	▲
Hungary	85 (1.4)	▲
France	85 (1.6)	▲
Bulgaria	85 (2.0)	▲
United States	84 (1.1)	▲
Croatia	82 (1.6)	▲
Denmark	82 (1.7)	▲
Lithuania	82 (1.8)	▲
Korea, Rep. of	82 (1.4)	▲
Northern Ireland	81 (2.4)	▲
Spain	81 (1.4)	▲
Ireland	80 (1.9)	▲
Slovenia	80 (1.7)	▲
Serbia	79 (1.9)	▲
Norway (5)	79 (2.0)	▲
Canada	79 (1.3)	▲
Australia	79 (1.7)	▲
Belgium (Flemish)	78 (1.7)	
Chile	78 (1.8)	
Germany	78 (1.9)	
Portugal	78 (2.1)	
Russian Federation	77 (1.5)	
New Zealand	76 (1.8)	
Kazakhstan	76 (2.4)	
Finland	76 (2.2)	
England	75 (1.8)	
International Avg.	75 (0.3)	
Cyprus	74 (1.8)	
Italy	73 (2.4)	
Netherlands	73 (2.3)	
Bahrain	72 (2.1)	
Slovak Republic	71 (1.9)	▼
Japan	71 (2.2)	▼
Sweden	70 (2.4)	▼
United Arab Emirates	69 (1.0)	▼
Indonesia	69 (3.1)	▼
Georgia	68 (2.1)	▼
Qatar	67 (2.1)	▼
Turkey	66 (1.8)	▼
Kuwait	61 (2.3)	▼
Morocco	61 (2.5)	▼
Saudi Arabia	51 (2.3)	▼
Oman	45 (1.4)	▼
Iran, Islamic Rep. of	37 (2.7)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	87 (2.1)	▲
Florida, US	84 (2.7)	▲
Ontario, Canada	77 (1.5)	
Dubai, UAE	77 (1.5)	
Norway (4)	72 (2.2)	
Buenos Aires, Argentina	71 (2.6)	
Abu Dhabi, UAE	65 (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**

**S11\_03Z (S051138Z): Cockatoo's features (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hong Kong SAR	69 (2.1)	▲
Singapore	66 (1.8)	▲
Korea, Rep. of	63 (2.3)	▲
Chinese Taipei	62 (2.0)	▲
Croatia	60 (2.3)	▲
United States	59 (1.6)	▲
Poland	59 (2.4)	▲
Norway (5)	57 (2.3)	▲
Serbia	56 (2.3)	▲
England	55 (2.2)	▲
Russian Federation	54 (2.2)	▲
Bulgaria	52 (2.7)	▲
Japan	52 (2.4)	▲
Northern Ireland	52 (2.9)	▲
Lithuania	52 (2.5)	▲
Ireland	52 (2.2)	▲
Slovenia	51 (2.4)	▲
Australia	50 (1.8)	▲
Netherlands	50 (2.6)	▲
Hungary	49 (2.1)	▲
Finland	48 (2.4)	
New Zealand	47 (1.8)	
Sweden	46 (2.3)	
Denmark	46 (2.4)	
Canada	46 (1.4)	
Cyprus	45 (2.0)	
Czech Republic	45 (2.1)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Germany	44 (2.2)	
Portugal	43 (2.1)	
Slovak Republic	43 (2.2)	
Spain	42 (1.9)	
Belgium (Flemish)	40 (2.2)	
Kazakhstan	40 (2.8)	
Italy	39 (2.2)	▼
Chile	39 (2.4)	▼
United Arab Emirates	37 (1.3)	▼
Qatar	33 (1.7)	▼
France	32 (2.5)	▼
Bahrain	31 (2.3)	▼
Georgia	31 (2.5)	▼
Morocco	28 (2.4)	▼
Turkey	28 (1.6)	▼
Saudi Arabia	25 (1.9)	▼
Kuwait	23 (2.5)	▼
Oman	22 (1.4)	▼
Indonesia	20 (2.2)	▼
Iran, Islamic Rep. of	17 (2.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	58 (2.5)	▲
Dubai, UAE	50 (2.3)	▲
Ontario, Canada	46 (2.0)	
Quebec, Canada	45 (3.2)	
Norway (4)	45 (2.4)	
Abu Dhabi, UAE	33 (2.1)	▼
Buenos Aires, Argentina	26 (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**

**S11\_04 (S051194): Test design for plant seedlings**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	60 (2.0)	▲
Japan	49 (2.2)	▲
Norway (5)	42 (2.3)	▲
United States	41 (1.5)	▲
Korea, Rep. of	38 (1.7)	▲
Hong Kong SAR	38 (3.1)	▲
Czech Republic	34 (2.0)	▲
Denmark	34 (2.4)	▲
Netherlands	33 (2.4)	▲
Ireland	33 (2.1)	▲
Poland	32 (1.9)	▲
Sweden	31 (2.3)	▲
Hungary	31 (1.8)	▲
Slovenia	31 (2.0)	▲
England	30 (2.1)	▲
Finland	30 (2.3)	▲
Belgium (Flemish)	30 (1.8)	▲
Kazakhstan	26 (2.5)	
Australia	26 (1.8)	
Lithuania	25 (2.4)	
New Zealand	25 (1.8)	
<b>International Avg.</b>	<b>24 (0.3)</b>	
Serbia	23 (2.0)	
Canada	23 (1.3)	
Spain	22 (1.7)	
Germany	22 (1.7)	
Croatia	21 (2.0)	
Chinese Taipei	21 (1.8)	
Russian Federation	20 (1.9)	▼
Northern Ireland	19 (2.0)	▼
Bahrain	19 (1.9)	▼
France	18 (1.9)	▼
Iran, Islamic Rep. of	18 (1.8)	▼
Turkey	18 (1.6)	▼
Bulgaria	17 (2.0)	▼
United Arab Emirates	17 (0.8)	▼
Slovak Republic	15 (1.6)	▼
Cyprus	14 (1.6)	▼
Italy	14 (1.7)	▼
Qatar	13 (1.3)	▼
Chile	13 (1.3)	▼
Georgia	13 (1.6)	▼
Portugal	13 (1.4)	▼
Saudi Arabia	12 (1.4)	▼
Oman	11 (1.2)	▼
Kuwait	6 (1.1)	▼
Morocco	6 (1.2)	▼
Indonesia	5 (0.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	44 (2.5)	▲
Dubai, UAE	29 (1.5)	▲
Ontario, Canada	26 (1.9)	
Norway (4)	23 (2.1)	
Quebec, Canada	16 (1.8)	▼
Buenos Aires, Argentina	12 (1.8)	▼
Abu Dhabi, UAE	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**

**S11\_05 (S051029): Dinosaurs had feathers**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	71 (1.5)	▲
Italy	60 (2.2)	▲
Korea, Rep. of	58 (2.1)	▲
United States	54 (1.5)	▲
Turkey	53 (1.9)	▲
Poland	53 (2.7)	▲
Chinese Taipei	51 (2.2)	▲
Lithuania	50 (2.5)	▲
Portugal	49 (2.3)	▲
Netherlands	49 (2.6)	▲
Hungary	49 (2.0)	▲
Bulgaria	48 (2.8)	▲
Hong Kong SAR	48 (2.5)	▲
Spain	47 (2.2)	▲
Georgia	47 (2.6)	
Slovenia	46 (2.2)	
Serbia	46 (2.3)	
Belgium (Flemish)	45 (2.3)	
Denmark	45 (2.6)	
Japan	44 (2.3)	
Australia	44 (2.0)	
Cyprus	43 (2.2)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
United Arab Emirates	43 (1.2)	
Finland	43 (2.4)	
Czech Republic	42 (2.3)	
Qatar	41 (2.1)	
Bahrain	41 (1.9)	
Germany	41 (2.3)	
Indonesia	41 (2.9)	
Northern Ireland	40 (2.4)	
Chile	39 (1.9)	
New Zealand	39 (1.8)	▼
Oman	39 (1.7)	▼
Kazakhstan	38 (2.4)	▼
Canada	38 (1.6)	▼
Morocco	37 (2.4)	▼
Ireland	37 (2.2)	▼
England	36 (2.2)	▼
Russian Federation	35 (2.4)	▼
Slovak Republic	35 (1.9)	▼
Norway (5)	34 (1.7)	▼
Sweden	34 (2.2)	▼
Saudi Arabia	33 (2.1)	▼
Kuwait	32 (2.5)	▼
Croatia	29 (2.6)	▼
Iran, Islamic Rep. of	25 (2.3)	▼
France	24 (1.9)	▼
<b>Benchmarking Participants</b>		
Florida, US	57 (2.5)	▲
Dubai, UAE	50 (1.8)	▲
Ontario, Canada	45 (2.1)	
Abu Dhabi, UAE	41 (2.5)	
Norway (4)	35 (2.4)	▼
Quebec, Canada	29 (3.4)	▼
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**

**S11\_06 (S051077): What happened to metal bench  
Constructed Response (1 Point)**

Country	Percent Correct	
Northern Ireland	78 (2.2)	▲
Finland	78 (1.5)	▲
Sweden	77 (2.3)	▲
Russian Federation	77 (2.5)	▲
Denmark	77 (1.8)	▲
Serbia	76 (2.3)	▲
Ireland	75 (2.3)	▲
Germany	75 (1.6)	▲
Hungary	74 (2.0)	▲
Norway (5)	73 (2.4)	▲
Slovak Republic	73 (2.3)	▲
Czech Republic	73 (1.6)	▲
Slovenia	70 (2.1)	▲
Chinese Taipei	69 (2.0)	▲
Poland	68 (2.4)	▲
Lithuania	68 (2.5)	▲
New Zealand	67 (2.1)	▲
Australia	67 (1.8)	▲
Japan	66 (1.9)	▲
England	64 (2.2)	▲
Croatia	63 (2.4)	▲
Korea, Rep. of	63 (2.0)	▲
Spain	60 (2.4)	▲
United States	59 (1.5)	▲
Chile	58 (2.1)	
Canada	58 (2.1)	
Netherlands	56 (2.6)	
Italy	56 (2.5)	
Singapore	54 (1.9)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Kazakhstan	53 (3.1)	
Portugal	49 (2.2)	▼
Bulgaria	46 (2.6)	▼
Belgium (Flemish)	46 (2.3)	▼
Hong Kong SAR	45 (3.1)	▼
Georgia	42 (2.7)	▼
France	41 (2.5)	▼
Bahrain	35 (1.9)	▼
Saudi Arabia	31 (2.1)	▼
Qatar	28 (1.9)	▼
Iran, Islamic Rep. of	26 (2.1)	▼
United Arab Emirates	25 (1.1)	▼
Turkey	24 (1.4)	▼
Cyprus	23 (2.0)	▼
Indonesia	19 (1.9)	▼
Oman	18 (1.6)	▼
Morocco	12 (1.6)	▼
Kuwait	9 (1.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	64 (3.2)	▲
Quebec, Canada	58 (3.6)	
Ontario, Canada	57 (2.5)	
Norway (4)	55 (2.2)	
Buenos Aires, Argentina	50 (2.9)	
Dubai, UAE	36 (1.8)	▼
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**

**S11\_07 (S051200): Metal and wooden spoon in soup**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	86 (1.5)	▲
Kazakhstan	63 (2.4)	▲
Hong Kong SAR	52 (2.9)	▲
Japan	51 (2.2)	▲
Bulgaria	48 (2.6)	▲
Lithuania	44 (2.3)	▲
Serbia	41 (2.5)	▲
Russian Federation	41 (2.3)	▲
Georgia	39 (2.6)	▲
Oman	35 (1.9)	▲
Bahrain	34 (1.9)	▲
Slovenia	34 (2.2)	▲
Denmark	30 (2.3)	▲
Turkey	29 (1.9)	▲
Korea, Rep. of	29 (1.7)	▲
Croatia	28 (2.0)	
Indonesia	26 (2.2)	
<b>International Avg.</b>	<b>25 (0.3)</b>	
Ireland	25 (2.2)	
Belgium (Flemish)	25 (1.6)	
Morocco	25 (2.3)	
Sweden	25 (2.7)	
Saudi Arabia	24 (2.1)	
Qatar	22 (2.1)	
Italy	21 (2.0)	▼
Hungary	21 (1.7)	▼
Czech Republic	21 (1.8)	▼
Germany	19 (1.9)	▼
Finland	18 (1.9)	▼
United States	18 (1.1)	▼
Cyprus	17 (1.7)	▼
England	17 (2.0)	▼
United Arab Emirates	17 (1.0)	▼
Norway (5)	16 (1.7)	▼
Kuwait	15 (2.2)	▼
Poland	15 (2.1)	▼
Chinese Taipei	15 (1.5)	▼
Spain	14 (1.9)	▼
Netherlands	14 (1.9)	▼
Canada	13 (1.1)	▼
Slovak Republic	12 (1.2)	▼
Northern Ireland	12 (1.4)	▼
Australia	11 (1.6)	▼
New Zealand	10 (1.1)	▼
France	5 (1.1)	▼
Portugal	4 (0.8)	▼
Iran, Islamic Rep. of	2 (0.9)	▼
Chile	2 (0.6)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	26 (1.5)	
Buenos Aires, Argentina	21 (2.3)	▼
Florida, US	19 (2.8)	▼
Abu Dhabi, UAE	14 (1.9)	▼
Norway (4)	14 (1.6)	▼
Ontario, Canada	14 (1.4)	▼
Quebec, Canada	11 (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**

**S11\_08 (S051075): Pushing two boxes**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Sweden	86 (1.5)	▲
Chinese Taipei	85 (1.6)	▲
Japan	85 (1.5)	▲
Singapore	83 (1.3)	▲
Poland	81 (1.9)	▲
Russian Federation	78 (2.0)	▲
Hong Kong SAR	77 (2.0)	▲
Ireland	76 (2.0)	▲
England	76 (1.9)	▲
Korea, Rep. of	75 (1.9)	▲
Czech Republic	74 (1.8)	▲
United States	74 (1.2)	▲
Northern Ireland	73 (2.9)	▲
Spain	73 (1.9)	▲
Italy	71 (2.1)	▲
Croatia	71 (2.3)	▲
Hungary	71 (1.7)	▲
Canada	70 (1.8)	▲
Netherlands	69 (2.2)	▲
Denmark	69 (2.3)	▲
Slovenia	68 (2.2)	▲
Lithuania	68 (2.3)	▲
Kazakhstan	68 (2.3)	▲
Belgium (Flemish)	68 (2.1)	▲
Bulgaria	68 (2.1)	▲
Australia	67 (2.4)	
Serbia	67 (2.8)	
New Zealand	67 (2.2)	
Portugal	66 (2.2)	
Norway (5)	64 (2.2)	
<b>International Avg.</b>	<b>63 (0.3)</b>	
Slovak Republic	62 (2.1)	
Turkey	62 (2.0)	
France	62 (2.7)	
Cyprus	61 (1.8)	
Germany	61 (1.9)	
Finland	59 (2.4)	
Georgia	55 (2.5)	▼
Chile	53 (2.1)	▼
Bahrain	48 (2.6)	▼
United Arab Emirates	46 (1.1)	▼
Oman	41 (1.8)	▼
Qatar	37 (2.0)	▼
Iran, Islamic Rep. of	32 (2.7)	▼
Saudi Arabia	26 (2.2)	▼
Kuwait	23 (2.2)	▼
Morocco	19 (2.0)	▼
Indonesia	19 (1.8)	▼
<b>Benchmarking Participants</b>		
Florida, US	75 (2.6)	▲
Quebec, Canada	75 (3.5)	▲
Ontario, Canada	71 (2.1)	▲
Dubai, UAE	63 (1.9)	
Norway (4)	56 (2.4)	▼
Buenos Aires, Argentina	49 (2.7)	▼
Abu Dhabi, UAE	42 (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**

**S11\_09 (S051065): What can fill gap in flashlight**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	86 (1.7)	▲
Chinese Taipei	86 (1.5)	▲
Germany	83 (1.5)	▲
Croatia	82 (1.7)	▲
France	81 (1.7)	▲
Singapore	80 (1.4)	▲
Denmark	80 (1.5)	▲
Sweden	79 (1.8)	▲
England	79 (1.8)	▲
Belgium (Flemish)	78 (1.6)	▲
Hong Kong SAR	78 (2.3)	▲
Netherlands	78 (1.9)	▲
Korea, Rep. of	78 (1.9)	▲
Finland	77 (2.0)	▲
Ireland	77 (2.3)	▲
Slovenia	76 (1.9)	▲
United States	76 (1.2)	▲
Russian Federation	74 (2.1)	▲
Norway (5)	74 (1.8)	▲
Kazakhstan	73 (2.1)	▲
Czech Republic	72 (2.0)	▲
Slovak Republic	71 (2.0)	
Lithuania	70 (2.2)	
Serbia	69 (2.9)	
Oman	69 (1.4)	
Bulgaria	68 (2.7)	
<b>International Avg.</b>	<b>68 (0.3)</b>	
Poland	67 (2.3)	
New Zealand	67 (2.0)	
Australia	65 (2.8)	
Hungary	65 (2.2)	
Northern Ireland	65 (2.6)	
Portugal	64 (2.2)	
Canada	63 (1.6)	▼
Italy	63 (2.2)	▼
Turkey	62 (1.6)	▼
United Arab Emirates	61 (1.2)	▼
Qatar	60 (1.9)	▼
Spain	60 (2.5)	▼
Cyprus	58 (1.9)	▼
Bahrain	57 (2.3)	▼
Morocco	56 (2.3)	▼
Chile	55 (2.1)	▼
Iran, Islamic Rep. of	51 (2.6)	▼
Georgia	49 (2.7)	▼
Indonesia	43 (2.7)	▼
Saudi Arabia	41 (2.1)	▼
Kuwait	37 (2.6)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	74 (1.4)	▲
Florida, US	67 (3.3)	
Ontario, Canada	67 (2.0)	
Norway (4)	62 (2.5)	▼
Abu Dhabi, UAE	58 (2.6)	▼
Quebec, Canada	57 (3.9)	▼
Buenos Aires, Argentina	51 (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**

**S11\_10 (S051191): Getting wet from low clouds**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	76 (2.0)	▲
Russian Federation	71 (2.2)	▲
Denmark	68 (1.8)	▲
Finland	67 (1.9)	▲
Sweden	66 (2.2)	▲
Hong Kong SAR	63 (2.6)	▲
Germany	62 (1.9)	▲
Chinese Taipei	60 (2.5)	▲
Singapore	59 (1.8)	▲
United States	58 (1.6)	▲
Japan	58 (2.1)	▲
Czech Republic	56 (2.4)	▲
Poland	55 (2.3)	▲
Ireland	53 (2.6)	▲
Lithuania	53 (2.4)	▲
England	51 (1.9)	▲
Norway (5)	51 (2.2)	▲
Northern Ireland	51 (2.8)	
France	51 (2.4)	
Hungary	50 (2.3)	
Bulgaria	49 (2.6)	
Australia	49 (1.9)	
Kazakhstan	48 (2.7)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Turkey	46 (2.1)	
Italy	46 (2.1)	
Canada	46 (1.3)	
Slovak Republic	45 (1.8)	
New Zealand	43 (2.1)	▼
Belgium (Flemish)	42 (2.1)	▼
Georgia	42 (2.7)	
Portugal	41 (2.3)	▼
Netherlands	41 (2.0)	▼
Spain	39 (2.2)	▼
Slovenia	39 (2.1)	▼
Chile	35 (2.0)	▼
Saudi Arabia	34 (2.2)	▼
Qatar	34 (2.1)	▼
United Arab Emirates	33 (1.0)	▼
Bahrain	33 (2.8)	▼
Cyprus	31 (2.5)	▼
Oman	28 (1.7)	▼
Croatia	28 (2.3)	▼
Serbia	28 (2.1)	▼
Morocco	28 (2.3)	▼
Kuwait	24 (1.9)	▼
Iran, Islamic Rep. of	23 (2.5)	▼
Indonesia	- -	
<b>Benchmarking Participants</b>		
Florida, US	59 (2.8)	▲
Ontario, Canada	48 (1.8)	
Dubai, UAE	43 (1.6)	▼
Quebec, Canada	40 (3.2)	▼
Norway (4)	36 (2.5)	▼
Abu Dhabi, UAE	30 (2.2)	▼
Buenos Aires, Argentina	22 (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.

A dash (-) indicates comparable data not available

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

**S11\_11 (S051099): Moon in the sky for a month**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Chinese Taipei	87 (1.4)	▲
Japan	83 (1.7)	▲
Hong Kong SAR	73 (2.4)	▲
Korea, Rep. of	70 (2.0)	▲
Slovak Republic	68 (1.9)	▲
Czech Republic	68 (2.2)	▲
Russian Federation	66 (1.8)	▲
Finland	63 (2.7)	▲
Turkey	62 (1.6)	▲
Sweden	62 (2.3)	▲
Slovenia	61 (2.1)	▲
Germany	61 (2.1)	▲
Spain	60 (2.0)	▲
Denmark	60 (2.2)	▲
Norway (5)	60 (2.6)	▲
Kazakhstan	59 (2.8)	
England	58 (2.3)	
United States	57 (1.7)	
Croatia	57 (2.6)	
Singapore	56 (1.8)	
Poland	56 (2.1)	
Hungary	56 (2.0)	
Lithuania	56 (2.7)	
Australia	55 (2.2)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Bahrain	52 (2.5)	
Bulgaria	51 (2.9)	
United Arab Emirates	51 (1.1)	▼
New Zealand	51 (2.2)	
Portugal	51 (2.0)	
Netherlands	49 (2.7)	
Ireland	48 (2.3)	▼
Canada	48 (1.5)	▼
Iran, Islamic Rep. of	48 (3.0)	▼
Saudi Arabia	47 (2.2)	▼
Georgia	46 (2.8)	▼
Italy	46 (2.3)	▼
Northern Ireland	46 (2.3)	▼
France	45 (2.4)	▼
Chile	45 (2.3)	▼
Qatar	42 (2.0)	▼
Belgium (Flemish)	42 (2.0)	▼
Oman	41 (1.6)	▼
Serbia	40 (2.7)	▼
Cyprus	40 (1.9)	▼
Morocco	37 (2.5)	▼
Indonesia	37 (2.4)	▼
Kuwait	34 (2.4)	▼
<b>Benchmarking Participants</b>		
Florida, US	63 (3.5)	▲
Dubai, UAE	60 (1.8)	▲
Quebec, Canada	51 (3.0)	
Ontario, Canada	47 (2.1)	▼
Abu Dhabi, UAE	47 (2.5)	▼
Norway (4)	43 (2.9)	▼
Buenos Aires, Argentina	37 (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**

**S11\_12 (S051175): X marks a town on Earth**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	49 (2.6)	▲
Slovenia	48 (2.1)	▲
Korea, Rep. of	47 (2.2)	▲
Finland	46 (2.3)	▲
Kazakhstan	44 (2.3)	▲
Singapore	43 (2.1)	▲
Denmark	39 (2.2)	▲
United States	36 (1.4)	▲
Hong Kong SAR	36 (2.7)	▲
Norway (5)	36 (2.6)	▲
Russian Federation	35 (1.8)	▲
Croatia	34 (2.4)	▲
England	34 (2.4)	▲
Lithuania	33 (2.4)	▲
Hungary	30 (2.0)	▲
Ireland	30 (1.9)	▲
Saudi Arabia	29 (2.0)	▲
Bulgaria	28 (1.8)	
Turkey	28 (1.7)	
Northern Ireland	27 (2.2)	
Qatar	26 (2.0)	
<b>International Avg.</b>	<b>25 (0.3)</b>	
Slovak Republic	25 (2.2)	
Poland	24 (2.0)	
Canada	23 (1.4)	
Chinese Taipei	23 (1.5)	
Portugal	23 (1.8)	
Czech Republic	22 (1.6)	▼
Italy	22 (2.1)	
Bahrain	21 (2.5)	
Netherlands	21 (2.0)	▼
Spain	20 (1.7)	▼
Cyprus	20 (1.6)	▼
France	20 (1.8)	▼
Sweden	20 (1.9)	▼
Oman	19 (1.6)	▼
Belgium (Flemish)	17 (1.4)	▼
Serbia	15 (1.7)	▼
United Arab Emirates	15 (1.0)	▼
New Zealand	14 (1.3)	▼
Chile	14 (1.5)	▼
Georgia	13 (1.9)	▼
Kuwait	9 (1.6)	▼
Indonesia	9 (1.3)	▼
Germany	8 (1.1)	▼
Australia	8 (0.9)	▼
Morocco	5 (1.0)	▼
Iran, Islamic Rep. of	4 (1.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	43 (2.6)	▲
Quebec, Canada	31 (3.2)	
Dubai, UAE	27 (1.6)	
Ontario, Canada	23 (1.9)	
Norway (4)	23 (1.8)	
Buenos Aires, Argentina	9 (1.6)	▼
Abu Dhabi, UAE	9 (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**

**S12\_01 (S061132): Hot and wet weather**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Hong Kong SAR	84 (2.6)	▲
Sweden	76 (2.1)	▲
Denmark	76 (2.1)	▲
England	74 (2.0)	▲
Northern Ireland	73 (2.6)	▲
Finland	72 (2.2)	▲
Czech Republic	71 (1.9)	▲
Chinese Taipei	70 (2.1)	▲
Ireland	70 (2.4)	▲
Canada	67 (1.5)	▲
Netherlands	67 (2.3)	▲
Norway (5)	65 (2.3)	▲
Hungary	64 (2.1)	▲
United States	64 (1.4)	▲
Poland	63 (2.1)	▲
Japan	62 (2.0)	▲
New Zealand	59 (1.9)	▲
Korea, Rep. of	59 (2.0)	▲
Germany	58 (2.2)	▲
Chile	57 (2.0)	▲
Australia	55 (2.5)	▲
Italy	54 (2.5)	
France	54 (2.5)	
Russian Federation	52 (2.5)	
Slovak Republic	51 (2.3)	
Bulgaria	51 (2.1)	
International Avg.	50 (0.3)	
Lithuania	48 (2.8)	
Belgium (Flemish)	47 (1.9)	
Kazakhstan	45 (3.1)	
Singapore	44 (1.7)	▼
Portugal	43 (2.3)	▼
Spain	43 (2.4)	▼
Kuwait	36 (2.6)	▼
Serbia	35 (2.6)	▼
Slovenia	35 (2.1)	▼
United Arab Emirates	34 (1.2)	▼
Qatar	31 (2.3)	▼
Croatia	31 (2.2)	▼
Cyprus	31 (2.0)	▼
Indonesia	29 (2.3)	▼
Bahrain	29 (1.8)	▼
Turkey	26 (1.8)	▼
Georgia	24 (2.5)	▼
Iran, Islamic Rep. of	21 (2.3)	▼
Oman	19 (1.1)	▼
Saudi Arabia	19 (1.8)	▼
Morocco	15 (2.1)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	70 (2.1)	▲
Florida, US	62 (2.3)	▲
Quebec, Canada	60 (3.5)	▲
Norway (4)	55 (2.4)	▲
Dubai, UAE	45 (1.8)	▼
Abu Dhabi, UAE	31 (2.2)	▼
Buenos Aires, Argentina	29 (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**

S12\_02 (S061120): Season south of Equator  
Multiple Choice (Key is D)

Country	Percent Correct	
Korea, Rep. of	86 (1.6)	▲
Japan	80 (1.9)	▲
Hong Kong SAR	79 (1.9)	▲
Bulgaria	76 (2.1)	▲
Finland	73 (2.1)	▲
Netherlands	65 (2.2)	▲
Hungary	63 (2.1)	▲
Kazakhstan	63 (2.4)	▲
United States	62 (1.4)	▲
Northern Ireland	62 (2.7)	▲
Russian Federation	61 (2.6)	▲
Denmark	60 (2.1)	▲
Czech Republic	60 (2.0)	▲
Ireland	59 (2.5)	▲
Croatia	59 (2.8)	
Portugal	59 (2.4)	
Australia	58 (2.4)	
Chinese Taipei	58 (2.2)	
Canada	56 (1.6)	
England	56 (2.3)	
Turkey	56 (1.9)	
Italy	55 (2.5)	
New Zealand	54 (2.3)	
<b>International Avg.</b>	<b>54 (0.3)</b>	
Germany	54 (2.0)	
Poland	53 (2.7)	
Spain	53 (2.4)	
United Arab Emirates	52 (1.1)	▼
Bahrain	51 (2.3)	
Sweden	51 (2.6)	
Slovenia	50 (2.5)	
Serbia	50 (2.9)	
Singapore	50 (1.8)	▼
Belgium (Flemish)	49 (2.2)	▼
Qatar	49 (2.3)	▼
France	48 (2.4)	▼
Cyprus	47 (1.9)	▼
Slovak Republic	47 (2.2)	▼
Indonesia	47 (2.7)	▼
Norway (5)	45 (2.3)	▼
Chile	45 (2.1)	▼
Oman	44 (1.7)	▼
Lithuania	39 (2.6)	▼
Georgia	37 (2.3)	▼
Saudi Arabia	35 (2.4)	▼
Iran, Islamic Rep. of	35 (2.8)	▼
Kuwait	33 (2.1)	▼
Morocco	29 (2.2)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	64 (1.5)	▲
Ontario, Canada	59 (2.4)	
Florida, US	58 (3.1)	
Quebec, Canada	53 (2.7)	
Abu Dhabi, UAE	43 (2.1)	▼
Buenos Aires, Argentina	36 (2.4)	▼
Norway (4)	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**

**S12\_03 (S061025): Life cycle of flowering plant**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	91 (0.9)	▲
Korea, Rep. of	88 (1.4)	▲
Hungary	81 (1.6)	▲
Czech Republic	79 (2.0)	▲
Finland	77 (2.1)	▲
Chinese Taipei	77 (2.1)	▲
Kazakhstan	75 (2.3)	▲
Slovenia	75 (2.2)	▲
Hong Kong SAR	73 (2.3)	▲
Croatia	73 (2.1)	▲
Russian Federation	73 (2.2)	▲
Singapore	71 (1.8)	▲
Lithuania	69 (2.4)	▲
Sweden	68 (2.3)	▲
Slovak Republic	67 (2.0)	▲
Denmark	66 (2.3)	▲
Germany	65 (2.1)	▲
Serbia	65 (2.1)	▲
Poland	65 (2.4)	▲
Italy	61 (2.7)	
Spain	61 (1.6)	
United States	60 (1.2)	
<b>International Avg.</b>	<b>60 (0.3)</b>	
Canada	60 (1.6)	
Australia	59 (3.2)	
New Zealand	59 (2.0)	
Portugal	58 (2.2)	
Belgium (Flemish)	57 (2.2)	
Bulgaria	57 (2.2)	
England	55 (2.2)	
Chile	54 (2.5)	▼
Norway (5)	54 (2.4)	▼
Turkey	53 (1.9)	▼
Ireland	53 (1.9)	▼
Netherlands	51 (2.8)	▼
Georgia	50 (2.6)	▼
United Arab Emirates	50 (1.5)	▼
Bahrain	50 (2.3)	▼
Qatar	48 (2.3)	▼
Indonesia	47 (2.1)	▼
Northern Ireland	47 (2.6)	▼
France	47 (2.7)	▼
Iran, Islamic Rep. of	46 (2.4)	▼
Oman	46 (1.6)	▼
Cyprus	41 (2.1)	▼
Saudi Arabia	35 (2.0)	▼
Morocco	27 (2.0)	▼
Kuwait	23 (1.8)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	62 (2.7)	
Ontario, Canada	58 (2.4)	
Florida, US	56 (2.8)	
Dubai, UAE	56 (2.1)	
Norway (4)	52 (2.7)	▼
Abu Dhabi, UAE	47 (2.5)	▼
Buenos Aires, Argentina	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.



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

**S12\_04A (S061133A): Water and plant height conclusion**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	85 (1.8)	▲
Singapore	84 (1.2)	▲
Japan	81 (1.6)	▲
Netherlands	79 (1.6)	▲
Russian Federation	79 (2.0)	▲
Denmark	78 (1.9)	▲
Norway (5)	78 (2.0)	▲
Poland	77 (2.0)	▲
Germany	77 (1.7)	▲
Hong Kong SAR	76 (2.2)	▲
Chinese Taipei	75 (1.9)	▲
Finland	71 (1.9)	▲
Northern Ireland	70 (2.4)	▲
Belgium (Flemish)	69 (2.0)	▲
England	69 (1.8)	▲
New Zealand	69 (1.9)	▲
Australia	68 (2.0)	▲
United States	68 (1.3)	▲
Lithuania	67 (2.6)	
Ireland	67 (2.2)	▲
Canada	66 (1.5)	▲
Kazakhstan	66 (2.7)	
Slovak Republic	64 (2.1)	
Bulgaria	63 (2.2)	
Hungary	63 (1.9)	
Sweden	63 (2.4)	
Slovenia	62 (2.5)	
<b>International Avg.</b>	<b>62 (0.3)</b>	
Serbia	62 (3.0)	
Croatia	58 (2.2)	
Italy	58 (2.5)	
Portugal	57 (2.7)	▼
France	56 (2.2)	▼
Chile	56 (1.8)	▼
Czech Republic	54 (2.2)	▼
Spain	54 (1.8)	▼
United Arab Emirates	54 (1.0)	▼
Georgia	51 (2.8)	▼
Cyprus	50 (2.1)	▼
Qatar	49 (2.1)	▼
Turkey	49 (1.9)	▼
Oman	47 (1.4)	▼
Bahrain	46 (2.3)	▼
Morocco	45 (2.3)	▼
Iran, Islamic Rep. of	44 (2.7)	▼
Saudi Arabia	37 (2.1)	▼
Indonesia	35 (2.5)	▼
Kuwait	33 (2.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	70 (2.5)	▲
Ontario, Canada	69 (1.9)	▲
Dubai, UAE	64 (2.1)	
Quebec, Canada	64 (2.6)	
Norway (4)	59 (2.0)	
Abu Dhabi, UAE	49 (2.3)	▼
Buenos Aires, Argentina	39 (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**

**S12\_04B (S061133B): Water and plant height statement**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Singapore	64 (2.0)	▲
Japan	63 (1.7)	▲
Hong Kong SAR	63 (2.6)	▲
Poland	51 (2.2)	▲
Norway (5)	50 (2.7)	▲
Korea, Rep. of	48 (2.2)	▲
Finland	47 (2.1)	▲
Northern Ireland	46 (2.4)	▲
Netherlands	45 (2.8)	▲
Russian Federation	45 (2.5)	▲
United States	45 (1.6)	▲
England	45 (2.3)	▲
Denmark	42 (2.2)	▲
Sweden	41 (2.6)	▲
Bulgaria	41 (2.2)	▲
Lithuania	40 (2.5)	▲
Hungary	39 (2.1)	▲
New Zealand	37 (2.1)	
Australia	36 (2.0)	
Canada	36 (1.8)	
Belgium (Flemish)	36 (2.2)	
Ireland	36 (2.5)	
Serbia	36 (2.8)	
Germany	34 (2.1)	
Czech Republic	34 (2.1)	
<b>International Avg.</b>	<b>33 (0.3)</b>	
Slovenia	32 (2.3)	
Slovak Republic	31 (1.8)	
Kazakhstan	29 (2.5)	
Italy	28 (2.2)	▼
Chinese Taipei	28 (2.1)	▼
Portugal	26 (2.2)	▼
Turkey	25 (1.6)	▼
Georgia	25 (1.9)	▼
United Arab Emirates	24 (0.9)	▼
Spain	23 (1.6)	▼
Cyprus	23 (2.2)	▼
France	22 (2.0)	▼
Oman	20 (1.5)	▼
Qatar	20 (1.6)	▼
Morocco	19 (2.1)	▼
Croatia	16 (1.9)	▼
Bahrain	15 (1.7)	▼
Chile	14 (1.4)	▼
Indonesia	12 (1.8)	▼
Kuwait	12 (1.6)	▼
Saudi Arabia	11 (1.5)	▼
Iran, Islamic Rep. of	9 (1.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	45 (4.0)	▲
Ontario, Canada	38 (2.1)	▲
Dubai, UAE	34 (1.6)	
Quebec, Canada	33 (3.9)	
Norway (4)	31 (2.3)	
Abu Dhabi, UAE	24 (1.8)	▼
Buenos Aires, Argentina	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**

**S12\_05 (S061074): Factory near farm fields**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	81 (1.6)	▲
Singapore	68 (1.7)	▲
Russian Federation	64 (2.3)	▲
Kazakhstan	64 (2.5)	▲
Spain	63 (2.1)	▲
Poland	61 (2.3)	▲
Hungary	61 (2.2)	▲
Canada	60 (1.6)	▲
Hong Kong SAR	58 (2.6)	▲
Japan	58 (2.2)	▲
Serbia	56 (3.0)	▲
Chinese Taipei	55 (2.3)	▲
France	55 (2.2)	▲
United States	54 (1.8)	▲
Portugal	54 (2.5)	▲
Slovenia	53 (2.4)	▲
Ireland	53 (2.4)	▲
Bulgaria	53 (2.6)	▲
Sweden	51 (2.4)	
Northern Ireland	51 (2.9)	
Finland	49 (2.5)	
Czech Republic	49 (2.5)	
Turkey	48 (2.0)	
England	48 (2.8)	
Croatia	48 (2.8)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Iran, Islamic Rep. of	47 (2.7)	
Denmark	47 (2.4)	
Slovak Republic	46 (2.1)	
Germany	45 (2.4)	
Italy	45 (2.2)	
Bahrain	44 (1.9)	
Norway (5)	44 (2.8)	
Australia	43 (2.4)	▼
Lithuania	42 (2.6)	▼
New Zealand	42 (2.0)	▼
United Arab Emirates	41 (1.4)	▼
Saudi Arabia	38 (2.3)	▼
Indonesia	37 (2.4)	▼
Netherlands	36 (2.2)	▼
Qatar	36 (2.3)	▼
Oman	35 (1.8)	▼
Belgium (Flemish)	30 (2.0)	▼
Chile	30 (2.1)	▼
Georgia	27 (2.2)	▼
Cyprus	26 (2.0)	▼
Kuwait	19 (2.1)	▼
Morocco	16 (1.7)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	63 (1.9)	▲
Quebec, Canada	58 (3.6)	▲
Florida, US	56 (2.5)	▲
Dubai, UAE	55 (1.9)	▲
Abu Dhabi, UAE	34 (2.2)	▼
Norway (4)	31 (2.2)	▼
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**

**S12\_06 (S061093): Polar bear fur for survival**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Russian Federation	47 (2.3) ▲	91 (1.3) ▲
United States	46 (1.6) ▲	90 (0.8) ▲
Poland	43 (2.1) ▲	92 (1.0) ▲
Czech Republic	40 (2.2) ▲	91 (1.1) ▲
Canada	40 (1.7) ▲	85 (1.3) ▲
Ireland	39 (2.6) ▲	88 (1.7) ▲
Finland	38 (2.5) ▲	85 (1.6) ▲
Japan	37 (2.0) ▲	91 (1.2) ▲
England	36 (2.3) ▲	90 (1.4) ▲
Singapore	36 (1.9) ▲	87 (1.4) ▲
Denmark	35 (2.5) ▲	79 (2.1)
Sweden	34 (2.3) ▲	90 (1.5) ▲
Norway (5)	34 (2.1) ▲	89 (1.7) ▲
Chinese Taipei	34 (2.1) ▲	92 (1.2) ▲
Slovenia	34 (2.5) ▲	85 (1.7) ▲
New Zealand	33 (1.7) ▲	82 (1.5) ▲
Hungary	32 (2.1) ▲	84 (1.6) ▲
Northern Ireland	31 (2.5) ▲	89 (1.7) ▲
Australia	31 (2.1) ▲	88 (1.5) ▲
Germany	30 (2.3)	83 (1.7) ▲
Belgium (Flemish)	30 (2.3)	89 (1.4) ▲
Spain	30 (1.6) ▲	80 (1.6) ▲
Korea, Rep. of	29 (1.8)	98 (0.6) ▲
Bulgaria	28 (2.1)	77 (2.5)
Croatia	27 (2.1)	85 (2.2) ▲
Netherlands	27 (2.0)	85 (1.9) ▲
<b>International Avg.</b>	<b>26 (0.3)</b>	<b>76 (0.3)</b>
Georgia	26 (2.0)	64 (2.2) ▼
Serbia	26 (2.1)	82 (1.9) ▲
Kazakhstan	23 (1.5)	86 (1.7) ▲
Lithuania	23 (1.8) ▼	87 (1.7) ▲
Chile	22 (1.7) ▼	67 (2.5) ▼
Slovak Republic	22 (1.7) ▼	81 (1.9) ▲
Hong Kong SAR	21 (2.0) ▼	90 (1.6) ▲
Portugal	20 (1.7) ▼	80 (1.8) ▲
Cyprus	20 (1.9) ▼	74 (2.0)
France	19 (1.7) ▼	73 (1.8)
Oman	19 (1.3) ▼	51 (1.9) ▼
Italy	18 (2.2) ▼	78 (2.1)
Bahrain	15 (1.6) ▼	58 (2.6) ▼
United Arab Emirates	15 (0.8) ▼	56 (1.2) ▼
Turkey	11 (1.3) ▼	66 (1.9) ▼
Qatar	10 (1.4) ▼	57 (3.1) ▼
Iran, Islamic Rep. of	10 (1.7) ▼	53 (3.0) ▼
Saudi Arabia	6 (0.9) ▼	37 (2.2) ▼
Kuwait	4 (1.0) ▼	35 (2.8) ▼
Indonesia	2 (0.8) ▼	30 (2.1) ▼
Morocco	1 (0.4) ▼	25 (2.1) ▼
<b>Benchmarking Participants</b>		
Florida, US	46 (3.5) ▲	86 (1.8) ▲
Ontario, Canada	44 (2.1) ▲	87 (1.6) ▲
Quebec, Canada	36 (3.8) ▲	81 (3.1)
Dubai, UAE	27 (1.8)	71 (1.3) ▼
Norway (4)	24 (2.0)	81 (1.6) ▲
Abu Dhabi, UAE	11 (1.4) ▼	48 (2.3) ▼
Buenos Aires, Argentina	11 (1.9) ▼	48 (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**

**S12\_07 (S061161): Pots are made of metal**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	86 (1.4)	▲
Kazakhstan	64 (2.5)	▲
Bulgaria	63 (1.9)	▲
Russian Federation	61 (2.8)	▲
Serbia	58 (2.8)	▲
Japan	56 (2.2)	▲
Germany	50 (2.4)	▲
Australia	46 (2.1)	▲
Croatia	44 (2.6)	▲
Korea, Rep. of	42 (1.7)	▲
Norway (5)	42 (2.5)	▲
Canada	42 (1.8)	▲
Lithuania	41 (2.8)	
Denmark	40 (2.2)	
Sweden	40 (2.1)	
Poland	40 (2.2)	
Hungary	39 (2.1)	
Finland	39 (2.7)	
Turkey	39 (1.6)	
Czech Republic	38 (2.1)	
Chinese Taipei	38 (2.1)	
Northern Ireland	37 (2.3)	
Italy	37 (2.5)	
United States	37 (1.5)	
<b>International Avg.</b>	<b>36 (0.3)</b>	
Slovenia	36 (2.5)	
Portugal	35 (2.1)	
Hong Kong SAR	34 (2.5)	
Slovak Republic	33 (1.7)	▼
New Zealand	32 (2.0)	▼
England	31 (2.0)	▼
Georgia	31 (2.3)	▼
Cyprus	31 (1.8)	▼
Ireland	31 (2.0)	▼
Bahrain	30 (2.0)	▼
Belgium (Flemish)	30 (2.0)	▼
Netherlands	28 (2.0)	▼
Oman	27 (1.5)	▼
Spain	27 (1.7)	▼
France	26 (2.0)	▼
United Arab Emirates	23 (1.2)	▼
Indonesia	21 (1.9)	▼
Saudi Arabia	20 (2.0)	▼
Chile	17 (1.4)	▼
Qatar	17 (1.5)	▼
Morocco	12 (1.7)	▼
Iran, Islamic Rep. of	9 (2.2)	▼
Kuwait	8 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	52 (3.2)	▲
Ontario, Canada	39 (2.5)	
Florida, US	36 (2.9)	
Dubai, UAE	33 (2.1)	
Norway (4)	32 (2.1)	▼
Buenos Aires, Argentina	18 (2.5)	▼
Abu Dhabi, UAE	16 (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**

**S12\_08A (S061042A): Separate iron from sand and salt**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	84 (1.6)	▲
Singapore	78 (1.6)	▲
Japan	74 (1.4)	▲
Turkey	67 (1.7)	▲
Kazakhstan	60 (2.6)	▲
Iran, Islamic Rep. of	58 (3.0)	▲
Germany	57 (2.1)	▲
Bulgaria	56 (2.6)	▲
Slovak Republic	55 (2.3)	▲
Hungary	54 (2.2)	▲
Oman	53 (1.6)	▲
Slovenia	51 (2.3)	▲
Russian Federation	49 (2.3)	▲
Croatia	48 (2.8)	
Norway (5)	47 (2.6)	
Ireland	47 (2.4)	
Czech Republic	46 (2.4)	
Lithuania	46 (2.7)	
Bahrain	46 (2.6)	
Poland	45 (2.0)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Hong Kong SAR	44 (2.4)	
United Arab Emirates	44 (1.4)	
United States	43 (1.5)	
Qatar	42 (2.0)	
Finland	41 (2.5)	
Netherlands	41 (2.6)	
Chinese Taipei	41 (1.9)	
Saudi Arabia	40 (2.3)	▼
Spain	39 (2.5)	▼
Serbia	39 (2.5)	▼
Sweden	38 (2.4)	▼
Australia	38 (2.0)	▼
Denmark	37 (2.2)	▼
Georgia	36 (2.8)	▼
Northern Ireland	36 (2.3)	▼
Canada	36 (1.6)	▼
England	35 (2.5)	▼
New Zealand	35 (1.8)	▼
Italy	34 (2.6)	▼
Cyprus	34 (2.1)	▼
Indonesia	33 (2.5)	▼
Belgium (Flemish)	31 (2.0)	▼
Portugal	31 (2.0)	▼
France	30 (2.3)	▼
Morocco	25 (2.3)	▼
Kuwait	22 (1.8)	▼
Chile	19 (2.1)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	56 (1.7)	▲
Florida, US	41 (2.9)	
Abu Dhabi, UAE	36 (2.7)	▼
Ontario, Canada	36 (2.5)	▼
Quebec, Canada	33 (3.4)	▼
Buenos Aires, Argentina	24 (2.7)	▼
Norway (4)	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**

**S12\_08B (S061042B): Separate sand from mixture**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	68 (2.6)	▲
Sweden	63 (2.3)	▲
Russian Federation	62 (2.3)	▲
Hong Kong SAR	61 (2.6)	▲
England	60 (2.5)	▲
Hungary	59 (2.2)	▲
Germany	58 (1.9)	▲
Finland	57 (2.1)	▲
Korea, Rep. of	55 (2.2)	▲
Czech Republic	53 (2.5)	▲
Slovak Republic	50 (2.3)	▲
Poland	49 (1.9)	▲
Kazakhstan	49 (2.4)	▲
Denmark	48 (2.6)	▲
Japan	47 (1.7)	▲
Singapore	47 (1.9)	
Northern Ireland	46 (2.3)	
Lithuania	46 (2.4)	
Slovenia	45 (2.7)	
Ireland	45 (2.7)	
Bulgaria	45 (2.8)	
Indonesia	45 (2.8)	
Croatia	44 (2.4)	
Oman	44 (1.8)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Netherlands	43 (2.3)	
Norway (5)	43 (2.5)	
United States	42 (1.4)	
Bahrain	42 (1.8)	
New Zealand	42 (2.4)	
France	42 (2.1)	
Serbia	41 (2.9)	
Belgium (Flemish)	39 (2.2)	▼
United Arab Emirates	39 (1.4)	▼
Australia	38 (2.0)	▼
Canada	38 (1.2)	▼
Qatar	37 (1.9)	▼
Saudi Arabia	35 (2.3)	▼
Turkey	35 (1.8)	▼
Spain	35 (2.2)	▼
Portugal	35 (2.4)	▼
Iran, Islamic Rep. of	34 (2.3)	▼
Italy	31 (2.1)	▼
Chile	30 (1.9)	▼
Georgia	27 (2.2)	▼
Cyprus	27 (1.8)	▼
Kuwait	22 (2.0)	▼
Morocco	14 (1.7)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	52 (1.4)	▲
Ontario, Canada	40 (2.0)	
Norway (4)	34 (2.3)	▼
Quebec, Canada	34 (3.3)	▼
Florida, US	31 (2.3)	▼
Buenos Aires, Argentina	29 (2.9)	▼
Abu Dhabi, UAE	28 (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**

**S12\_09A (S061041A): Boiling water disappears**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	88 (1.4)	▲
Poland	76 (1.9)	▲
Chinese Taipei	74 (1.9)	▲
Kazakhstan	74 (2.2)	▲
Russian Federation	73 (2.2)	▲
Japan	70 (2.3)	▲
Czech Republic	70 (2.1)	▲
Slovenia	70 (1.7)	▲
Bulgaria	68 (2.9)	▲
Croatia	68 (2.5)	▲
Turkey	67 (2.0)	▲
Hungary	64 (2.2)	▲
Lithuania	64 (2.3)	▲
Serbia	63 (2.3)	▲
Slovak Republic	63 (2.2)	▲
Sweden	59 (2.7)	▲
Germany	58 (2.2)	▲
Hong Kong SAR	53 (2.8)	
Norway (5)	51 (2.6)	
Portugal	50 (2.1)	
Italy	49 (2.6)	
Finland	49 (2.4)	
Bahrain	49 (2.2)	
<b>International Avg.</b>	<b>49 (0.3)</b>	
Singapore	48 (2.1)	
Spain	47 (2.1)	
Denmark	47 (2.2)	
Netherlands	45 (2.6)	
United States	42 (1.6)	▼
Belgium (Flemish)	40 (2.5)	▼
Cyprus	40 (2.1)	▼
Oman	40 (1.9)	▼
United Arab Emirates	38 (1.4)	▼
Chile	38 (2.3)	▼
Iran, Islamic Rep. of	38 (3.0)	▼
Saudi Arabia	37 (2.5)	▼
France	36 (2.5)	▼
Canada	35 (1.5)	▼
Qatar	35 (2.1)	▼
England	33 (1.9)	▼
Georgia	30 (2.3)	▼
Australia	29 (2.3)	▼
New Zealand	27 (1.9)	▼
Ireland	27 (2.5)	▼
Morocco	26 (2.6)	▼
Northern Ireland	25 (2.5)	▼
Indonesia	16 (1.9)	▼
Kuwait	15 (1.6)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	49 (1.7)	
Quebec, Canada	47 (3.9)	
Norway (4)	43 (2.5)	▼
Florida, US	41 (3.6)	▼
Ontario, Canada	30 (1.8)	▼
Abu Dhabi, UAE	29 (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**

S12\_09B (S061041B): Steam on window  
Constructed Response (1 Point)

Country	Percent Correct	
Japan	85 (1.7)	▲
Korea, Rep. of	82 (1.7)	▲
Poland	75 (1.8)	▲
Croatia	73 (2.3)	▲
Hungary	72 (1.7)	▲
Finland	70 (2.2)	▲
Bulgaria	67 (2.5)	▲
Sweden	65 (2.4)	▲
France	62 (2.6)	▲
Denmark	61 (2.5)	▲
Hong Kong SAR	60 (2.6)	▲
Slovenia	59 (2.4)	▲
Northern Ireland	58 (3.1)	▲
Serbia	58 (2.7)	▲
Portugal	56 (2.2)	▲
Netherlands	54 (2.3)	▲
Kazakhstan	54 (2.3)	▲
Ireland	53 (2.9)	▲
England	53 (2.1)	▲
Belgium (Flemish)	52 (2.1)	▲
New Zealand	51 (2.2)	
Cyprus	50 (2.0)	
Singapore	49 (2.0)	
Germany	48 (2.4)	
United States	48 (1.6)	
Australia	47 (2.6)	
International Avg.	47 (0.3)	
Norway (5)	45 (2.4)	
Turkey	45 (2.2)	
Georgia	45 (2.4)	
Canada	42 (1.4)	▼
Slovak Republic	42 (2.1)	▼
Lithuania	42 (2.8)	
Russian Federation	40 (2.6)	▼
Spain	35 (2.0)	▼
Czech Republic	35 (2.1)	▼
Italy	31 (2.2)	▼
United Arab Emirates	30 (1.2)	▼
Bahrain	28 (2.1)	▼
Iran, Islamic Rep. of	25 (2.4)	▼
Chinese Taipei	25 (2.1)	▼
Oman	25 (1.5)	▼
Saudi Arabia	25 (2.1)	▼
Chile	24 (1.9)	▼
Qatar	19 (2.0)	▼
Morocco	18 (2.3)	▼
Kuwait	10 (1.4)	▼
Indonesia	9 (1.4)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	47 (3.4)	
Florida, US	45 (2.8)	
Dubai, UAE	44 (1.9)	
Ontario, Canada	43 (2.1)	▼
Norway (4)	34 (2.4)	▼
Abu Dhabi, UAE	21 (1.9)	▼
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**

**S12\_10 (S061155): Bulb in circuit will not light**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Chinese Taipei	90 (1.4)	▲
England	90 (1.4)	▲
Singapore	89 (1.2)	▲
Slovenia	86 (2.1)	▲
Japan	84 (1.5)	▲
United States	83 (1.1)	▲
Germany	82 (1.7)	▲
Northern Ireland	82 (2.3)	▲
Russian Federation	81 (2.0)	▲
Croatia	81 (2.8)	▲
Czech Republic	80 (1.7)	▲
Finland	80 (2.1)	▲
Ireland	79 (1.9)	▲
Hong Kong SAR	79 (2.2)	▲
Sweden	79 (2.3)	▲
Portugal	79 (2.0)	▲
Serbia	78 (2.4)	▲
Poland	77 (2.0)	▲
Lithuania	77 (2.2)	
Kazakhstan	76 (2.4)	
Netherlands	75 (1.9)	
Spain	75 (1.7)	
Hungary	74 (2.4)	
Korea, Rep. of	74 (1.8)	
New Zealand	74 (1.7)	
Canada	73 (1.4)	
<b>International Avg.</b>	<b>73 (0.3)</b>	
Australia	73 (1.8)	
Slovak Republic	71 (2.0)	
Italy	71 (2.2)	
Denmark	71 (2.0)	
Turkey	70 (1.7)	
Cyprus	70 (2.2)	
Belgium (Flemish)	69 (1.5)	▼
France	68 (2.3)	▼
Bahrain	67 (1.9)	▼
Norway (5)	67 (8.0)	
Chile	66 (2.1)	▼
Iran, Islamic Rep. of	65 (2.9)	▼
Indonesia	64 (2.3)	▼
United Arab Emirates	64 (1.1)	▼
Oman	63 (1.7)	▼
Bulgaria	62 (2.2)	▼
Qatar	62 (2.2)	▼
Georgia	59 (2.5)	▼
Morocco	55 (2.5)	▼
Kuwait	51 (2.2)	▼
Saudi Arabia	42 (2.7)	▼
<b>Benchmarking Participants</b>		
Florida, US	80 (2.7)	▲
Dubai, UAE	78 (1.4)	▲
Ontario, Canada	74 (2.1)	
Quebec, Canada	73 (2.9)	
Norway (4)	63 (10.8)	
Abu Dhabi, UAE	59 (2.3)	▼
Buenos Aires, Argentina	58 (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**

**S13\_01 (S051054): New kind of mammal discovered**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Slovenia	90 (1.3)	▲
Finland	89 (1.3)	▲
Korea, Rep. of	89 (1.3)	▲
Germany	89 (1.2)	▲
Bulgaria	89 (1.6)	▲
Russian Federation	88 (1.2)	▲
Italy	88 (1.6)	▲
Spain	88 (1.3)	▲
Czech Republic	87 (1.6)	▲
Poland	87 (1.7)	▲
Croatia	87 (1.8)	▲
Sweden	86 (1.6)	▲
Norway (5)	85 (1.6)	▲
Serbia	85 (1.7)	▲
Lithuania	85 (1.6)	▲
Hungary	84 (1.9)	▲
Netherlands	83 (1.6)	▲
Slovak Republic	83 (1.5)	▲
Chile	82 (1.5)	▲
Australia	81 (1.9)	▲
United States	79 (1.1)	▲
Singapore	79 (1.6)	▲
Ireland	79 (1.8)	▲
Japan	79 (1.7)	▲
Portugal	78 (1.7)	▲
Canada	77 (1.3)	▲
England	77 (2.0)	▲
New Zealand	77 (1.6)	▲
Denmark	76 (1.6)	▲
Belgium (Flemish)	76 (1.8)	
Northern Ireland	75 (2.6)	
Hong Kong SAR	74 (2.6)	
France	73 (1.7)	
<b>International Avg.</b>	<b>73 (0.3)</b>	
Cyprus	63 (2.2)	▼
Kazakhstan	62 (2.9)	▼
Georgia	60 (2.4)	▼
Turkey	58 (2.1)	▼
Qatar	54 (2.3)	▼
United Arab Emirates	51 (1.1)	▼
Chinese Taipei	50 (2.5)	▼
Bahrain	47 (2.8)	▼
Saudi Arabia	46 (2.5)	▼
Oman	43 (1.9)	▼
Morocco	43 (2.5)	▼
Iran, Islamic Rep. of	42 (3.3)	▼
Kuwait	36 (2.3)	▼
Indonesia	31 (2.0)	▼
<b>Benchmarking Participants</b>		
Norway (4)	82 (1.9)	▲
Quebec, Canada	81 (2.5)	▲
Florida, US	79 (2.7)	▲
Ontario, Canada	78 (1.6)	▲
Buenos Aires, Argentina	72 (2.7)	
Dubai, UAE	68 (1.6)	▼
Abu Dhabi, UAE	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**

**S13\_02 (S051024): Cover your mouth though not sick**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	66 (1.7)	▲
Poland	57 (2.5)	▲
England	54 (2.0)	▲
Northern Ireland	54 (2.7)	▲
Japan	54 (2.1)	▲
Ireland	53 (2.2)	▲
Slovenia	52 (2.3)	▲
Kazakhstan	52 (2.5)	▲
United States	51 (1.5)	▲
Denmark	51 (2.4)	▲
Norway (5)	51 (2.6)	▲
Canada	50 (1.5)	▲
Finland	49 (2.4)	▲
Australia	47 (1.8)	▲
Germany	47 (2.2)	▲
Cyprus	46 (2.2)	▲
Hungary	46 (2.0)	▲
Sweden	45 (2.0)	▲
Chile	44 (2.2)	▲
New Zealand	43 (2.1)	▲
Russian Federation	43 (1.9)	▲
France	41 (2.4)	
Hong Kong SAR	38 (2.6)	
Lithuania	38 (3.0)	
<b>International Avg.</b>	<b>37 (0.3)</b>	
Chinese Taipei	37 (1.9)	
Portugal	36 (2.2)	
Belgium (Flemish)	35 (2.0)	
Bulgaria	33 (2.5)	
Croatia	32 (2.6)	▼
Netherlands	31 (2.3)	▼
Turkey	31 (1.9)	▼
Qatar	31 (2.0)	▼
Czech Republic	31 (2.1)	▼
Serbia	30 (2.2)	▼
Spain	30 (1.8)	▼
United Arab Emirates	28 (1.3)	▼
Italy	26 (2.2)	▼
Slovak Republic	26 (1.8)	▼
Bahrain	25 (2.0)	▼
Korea, Rep. of	24 (1.7)	▼
Oman	18 (1.3)	▼
Georgia	17 (2.1)	▼
Saudi Arabia	16 (1.5)	▼
Indonesia	16 (1.9)	▼
Kuwait	12 (2.1)	▼
Iran, Islamic Rep. of	10 (1.7)	▼
Morocco	4 (0.8)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	54 (1.9)	▲
Florida, US	53 (3.2)	▲
Quebec, Canada	53 (2.9)	▲
Dubai, UAE	43 (1.7)	▲
Norway (4)	40 (2.1)	
Buenos Aires, Argentina	30 (2.5)	▼
Abu Dhabi, UAE	22 (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**

**S13\_03A (S051132A): Hamad's Garden: Which survive**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	57 (2.2)	▲
Singapore	44 (2.0)	▲
Denmark	40 (2.2)	▲
United States	34 (1.4)	▲
Hong Kong SAR	32 (2.2)	▲
Australia	32 (1.9)	▲
England	31 (2.2)	▲
Spain	30 (1.9)	▲
Russian Federation	29 (1.9)	▲
Northern Ireland	29 (2.0)	▲
Portugal	29 (1.9)	▲
Czech Republic	29 (2.0)	▲
Hungary	28 (2.0)	▲
New Zealand	27 (1.6)	▲
Poland	27 (2.0)	▲
Ireland	26 (2.3)	▲
Croatia	25 (1.7)	▲
Finland	25 (1.9)	▲
Bulgaria	24 (2.4)	
Lithuania	22 (2.1)	
Slovenia	22 (2.1)	
Serbia	22 (2.3)	
Sweden	22 (2.1)	
<b>International Avg.</b>	<b>21 (0.2)</b>	
Canada	19 (1.2)	
Kazakhstan	18 (2.0)	
Japan	17 (1.6)	
Slovak Republic	17 (1.3)	▼
Bahrain	17 (1.8)	▼
Chinese Taipei	17 (1.4)	▼
Norway (5)	16 (1.8)	▼
Turkey	16 (1.4)	▼
Germany	15 (1.4)	▼
Netherlands	15 (1.7)	▼
Belgium (Flemish)	14 (1.4)	▼
Iran, Islamic Rep. of	13 (1.7)	▼
United Arab Emirates	12 (0.7)	▼
Italy	10 (1.1)	▼
Cyprus	10 (1.2)	▼
Qatar	10 (1.3)	▼
France	9 (1.6)	▼
Indonesia	8 (1.3)	▼
Chile	7 (0.9)	▼
Oman	6 (0.7)	▼
Saudi Arabia	5 (0.9)	▼
Georgia	4 (0.8)	▼
Morocco	4 (0.9)	▼
Kuwait	3 (0.7)	▼
<b>Benchmarking Participants</b>		
Florida, US	33 (3.2)	▲
Ontario, Canada	26 (2.1)	▲
Dubai, UAE	21 (1.3)	
Quebec, Canada	11 (1.7)	▼
Abu Dhabi, UAE	10 (1.4)	▼
Buenos Aires, Argentina	8 (1.4)	▼
Norway (4)	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**

**S13\_03B (S051132B): Hamad's Garden: Plant structure**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	72 (2.0)	▲
Kazakhstan	61 (2.4)	▲
Slovenia	50 (2.7)	▲
Chinese Taipei	50 (2.3)	▲
Russian Federation	49 (2.6)	▲
United States	42 (1.5)	▲
Chile	39 (2.4)	▲
Singapore	37 (1.9)	▲
Japan	36 (2.0)	▲
Spain	36 (2.1)	▲
Morocco	36 (2.0)	▲
Bulgaria	35 (2.6)	▲
Germany	34 (2.1)	▲
Denmark	33 (2.4)	▲
Hungary	32 (2.2)	
Serbia	31 (2.7)	
Czech Republic	30 (2.0)	
England	29 (2.2)	
Finland	29 (2.1)	
<b>International Avg.</b>	<b>29 (0.3)</b>	
Hong Kong SAR	28 (2.8)	
Bahrain	28 (1.8)	
Italy	28 (2.1)	
Cyprus	27 (2.0)	
Poland	26 (1.9)	
Oman	26 (1.3)	
United Arab Emirates	26 (0.9)	▼
Norway (5)	26 (1.9)	
Lithuania	25 (2.2)	
Portugal	24 (1.9)	▼
Croatia	24 (2.4)	▼
Slovak Republic	24 (1.9)	▼
Georgia	22 (2.1)	▼
Canada	22 (1.2)	▼
Australia	22 (1.7)	▼
Qatar	21 (1.8)	▼
Ireland	20 (2.0)	▼
Netherlands	19 (2.1)	▼
New Zealand	19 (1.6)	▼
Sweden	18 (2.1)	▼
Turkey	18 (1.6)	▼
Northern Ireland	16 (2.2)	▼
France	15 (1.8)	▼
Saudi Arabia	14 (1.6)	▼
Belgium (Flemish)	14 (1.4)	▼
Iran, Islamic Rep. of	12 (1.7)	▼
Indonesia	9 (1.3)	▼
Kuwait	5 (1.1)	▼
<b>Benchmarking Participants</b>		
Florida, US	43 (3.5)	▲
Dubai, UAE	36 (1.5)	▲
Ontario, Canada	27 (2.0)	
Norway (4)	23 (2.1)	▼
Abu Dhabi, UAE	21 (1.6)	▼
Buenos Aires, Argentina	17 (2.2)	▼
Quebec, Canada	17 (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**

**S13\_04 (S051040): Two things animals need**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	82 (1.4)	▲
Kazakhstan	75 (2.1)	▲
Bulgaria	65 (2.5)	▲
Serbia	63 (2.5)	▲
Slovenia	62 (2.4)	▲
Croatia	56 (2.3)	▲
Georgia	55 (2.8)	▲
Korea, Rep. of	53 (1.9)	▲
Turkey	50 (1.8)	▲
Russian Federation	49 (2.4)	▲
United States	46 (1.6)	▲
Hong Kong SAR	45 (2.8)	
Czech Republic	45 (2.2)	▲
Sweden	44 (2.2)	
Bahrain	44 (2.2)	
Saudi Arabia	42 (2.2)	
Poland	41 (2.3)	
<b>International Avg.</b>	<b>40 (0.3)</b>	
Slovak Republic	40 (1.9)	
Hungary	40 (2.1)	
Canada	39 (1.5)	
Spain	38 (2.1)	
Chile	37 (1.9)	
Chinese Taipei	37 (2.4)	
Ireland	37 (2.6)	
Lithuania	36 (2.3)	
Denmark	36 (2.6)	
Norway (5)	36 (2.6)	
Oman	36 (1.7)	▼
Qatar	36 (2.1)	▼
Northern Ireland	35 (2.3)	▼
Finland	35 (2.4)	▼
New Zealand	35 (1.9)	▼
Kuwait	35 (2.3)	▼
Italy	35 (2.5)	▼
Australia	35 (2.2)	▼
Japan	34 (2.0)	▼
United Arab Emirates	34 (1.0)	▼
England	33 (2.3)	▼
Portugal	32 (2.2)	▼
Netherlands	32 (2.0)	▼
Germany	29 (2.0)	▼
Belgium (Flemish)	28 (1.7)	▼
Indonesia	27 (2.2)	▼
Iran, Islamic Rep. of	26 (2.5)	▼
France	23 (2.3)	▼
Morocco	18 (2.1)	▼
Cyprus	14 (1.4)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	44 (2.3)	
Dubai, UAE	44 (1.7)	▲
Florida, US	40 (2.7)	
Norway (4)	33 (2.3)	▼
Abu Dhabi, UAE	27 (1.9)	▼
Buenos Aires, Argentina	24 (2.0)	▼
Quebec, Canada	23 (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**

**S13\_05 (S051193): Celery stalk leaves turn red**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Singapore	94 (1.0)	▲
Croatia	84 (1.7)	▲
Australia	82 (1.7)	▲
Poland	82 (1.8)	▲
Chinese Taipei	81 (1.6)	▲
England	80 (1.6)	▲
United States	80 (1.1)	▲
Ireland	79 (1.9)	▲
Northern Ireland	79 (2.4)	▲
Norway (5)	77 (2.0)	▲
Hong Kong SAR	77 (1.8)	▲
Germany	77 (1.9)	▲
New Zealand	76 (1.7)	▲
Canada	75 (1.5)	▲
Denmark	73 (2.0)	▲
Serbia	72 (2.2)	▲
Italy	71 (2.3)	▲
Bulgaria	71 (2.1)	▲
Hungary	70 (2.0)	
Netherlands	69 (2.5)	
Czech Republic	69 (1.9)	
Slovenia	69 (1.9)	
Spain	68 (2.3)	
Russian Federation	67 (2.1)	
Finland	67 (2.1)	
Sweden	66 (1.9)	
International Avg.	66 (0.3)	
Chile	66 (1.8)	
Slovak Republic	65 (2.4)	
Japan	65 (2.2)	
Iran, Islamic Rep. of	63 (2.8)	
Belgium (Flemish)	62 (2.0)	▼
Lithuania	60 (2.4)	▼
United Arab Emirates	59 (1.1)	▼
Portugal	59 (2.1)	▼
Qatar	58 (2.0)	▼
France	57 (2.2)	▼
Oman	57 (1.6)	▼
Korea, Rep. of	55 (2.3)	▼
Kazakhstan	54 (2.8)	▼
Turkey	53 (2.0)	▼
Cyprus	52 (2.2)	▼
Bahrain	52 (2.7)	▼
Morocco	48 (2.9)	▼
Saudi Arabia	47 (2.4)	▼
Indonesia	47 (2.3)	▼
Kuwait	43 (2.6)	▼
Georgia	40 (2.6)	▼
<b>Benchmarking Participants</b>		
Florida, US	81 (2.7)	▲
Ontario, Canada	80 (1.8)	▲
Dubai, UAE	76 (1.2)	▲
Quebec, Canada	70 (3.8)	
Norway (4)	69 (2.3)	
Abu Dhabi, UAE	53 (2.1)	▼
Buenos Aires, Argentina	43 (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**

**S13\_06 (S051063): Wooden and metal cubes on balance**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	80 (1.7)	▲
Chinese Taipei	74 (2.1)	▲
Russian Federation	73 (2.0)	▲
Japan	69 (2.1)	▲
Singapore	68 (1.8)	▲
Hong Kong SAR	68 (2.5)	▲
Poland	62 (2.4)	▲
Hungary	62 (2.5)	▲
Kazakhstan	62 (2.6)	▲
Bulgaria	59 (2.7)	▲
Finland	54 (1.9)	▲
Denmark	54 (2.4)	▲
Czech Republic	52 (2.5)	▲
Portugal	50 (2.2)	▲
Slovak Republic	48 (2.0)	▲
France	45 (2.1)	
Spain	44 (2.2)	
Northern Ireland	44 (2.5)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
United States	43 (1.4)	
Slovenia	43 (2.3)	
Chile	42 (1.8)	
Serbia	42 (2.2)	
Italy	40 (2.3)	
Lithuania	40 (2.5)	
Turkey	39 (1.7)	▼
Croatia	38 (2.8)	
Canada	38 (1.4)	▼
United Arab Emirates	37 (1.1)	▼
Belgium (Flemish)	36 (1.8)	▼
Morocco	36 (2.3)	▼
Australia	36 (2.4)	▼
Georgia	36 (2.3)	▼
Oman	35 (1.5)	▼
Cyprus	34 (2.0)	▼
England	33 (2.2)	▼
Norway (5)	32 (2.3)	▼
Qatar	32 (2.0)	▼
Bahrain	32 (2.2)	▼
Sweden	31 (2.4)	▼
Iran, Islamic Rep. of	28 (3.1)	▼
New Zealand	28 (1.6)	▼
Saudi Arabia	27 (2.0)	▼
Ireland	25 (1.8)	▼
Indonesia	23 (2.0)	▼
Germany	23 (2.0)	▼
Netherlands	21 (2.0)	▼
Kuwait	17 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	46 (3.2)	
Dubai, UAE	44 (1.4)	
Florida, US	39 (3.1)	
Ontario, Canada	37 (2.0)	▼
Abu Dhabi, UAE	33 (2.0)	▼
Norway (4)	23 (2.1)	▼
Buenos Aires, Argentina	16 (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**

**S13\_07 (S051012): Two metal bars**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Korea, Rep. of	91 (1.2)	▲
Singapore	86 (1.1)	▲
Japan	84 (1.6)	▲
Chinese Taipei	81 (1.7)	▲
Russian Federation	73 (2.3)	▲
Slovenia	72 (2.2)	▲
Norway (5)	69 (2.7)	▲
Finland	68 (2.3)	▲
Hong Kong SAR	68 (2.2)	▲
Hungary	68 (2.5)	▲
Croatia	67 (2.3)	▲
Germany	66 (1.7)	▲
Sweden	66 (2.6)	▲
United States	64 (1.7)	▲
Slovak Republic	62 (2.1)	▲
Czech Republic	61 (2.6)	
Poland	60 (2.4)	
Canada	59 (1.6)	
Denmark	59 (2.4)	
Ireland	58 (2.7)	
England	58 (2.6)	
Australia	58 (2.6)	
Lithuania	58 (2.6)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Kazakhstan	57 (2.7)	
Serbia	56 (2.7)	
Spain	56 (1.9)	
New Zealand	53 (1.8)	▼
Bahrain	53 (2.3)	
Iran, Islamic Rep. of	52 (2.8)	
Bulgaria	52 (2.6)	▼
Northern Ireland	52 (2.9)	
Turkey	51 (1.7)	▼
Belgium (Flemish)	51 (2.1)	▼
Italy	50 (2.1)	▼
United Arab Emirates	50 (1.2)	▼
Portugal	49 (2.3)	▼
Netherlands	47 (2.0)	▼
Oman	47 (1.8)	▼
Cyprus	46 (2.2)	▼
Qatar	43 (2.3)	▼
Chile	42 (2.2)	▼
Georgia	40 (2.2)	▼
France	39 (2.1)	▼
Morocco	38 (2.3)	▼
Kuwait	38 (2.6)	▼
Saudi Arabia	36 (2.2)	▼
Indonesia	31 (2.5)	▼
<b>Benchmarking Participants</b>		
Florida, US	65 (2.8)	▲
Ontario, Canada	62 (2.3)	
Dubai, UAE	60 (1.6)	
Quebec, Canada	53 (3.0)	
Norway (4)	49 (2.7)	▼
Abu Dhabi, UAE	43 (1.9)	▼
Buenos Aires, Argentina	33 (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**

**S13\_08 (S051115): Drops of wax on a metal frame**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Singapore	81 (1.5)	▲
Korea, Rep. of	76 (1.6)	▲
Hong Kong SAR	74 (2.0)	▲
Poland	68 (2.0)	▲
Chinese Taipei	68 (1.9)	▲
Russian Federation	64 (2.5)	▲
Japan	62 (2.1)	▲
Czech Republic	61 (2.3)	▲
Spain	60 (2.0)	▲
Finland	60 (2.4)	▲
Lithuania	59 (2.2)	▲
Belgium (Flemish)	58 (2.3)	▲
Sweden	57 (2.6)	▲
United States	57 (1.3)	▲
Kazakhstan	57 (2.5)	▲
Netherlands	57 (2.3)	▲
Slovak Republic	56 (2.0)	▲
Germany	56 (2.2)	▲
England	56 (2.3)	▲
Hungary	56 (2.5)	▲
Slovenia	55 (2.5)	▲
Italy	54 (2.1)	▲
Serbia	54 (2.6)	
Norway (5)	53 (2.9)	
Australia	53 (2.5)	
Portugal	53 (2.2)	
Croatia	53 (2.7)	
Canada	52 (1.3)	▲
Ireland	52 (2.0)	
<b>International Avg.</b>	<b>49 (0.3)</b>	
Denmark	48 (2.4)	
New Zealand	48 (2.0)	
Northern Ireland	46 (3.0)	
Bulgaria	44 (3.1)	
Cyprus	43 (1.9)	▼
France	43 (2.2)	▼
Bahrain	40 (1.9)	▼
Chile	40 (2.0)	▼
Turkey	34 (1.7)	▼
United Arab Emirates	32 (1.3)	▼
Georgia	30 (2.6)	▼
Qatar	29 (1.8)	▼
Oman	28 (1.5)	▼
Iran, Islamic Rep. of	24 (2.5)	▼
Saudi Arabia	15 (1.7)	▼
Morocco	14 (1.9)	▼
Indonesia	13 (1.5)	▼
Kuwait	12 (2.0)	▼
<b>Benchmarking Participants</b>		
Quebec, Canada	55 (2.8)	▲
Ontario, Canada	55 (2.3)	▲
Florida, US	54 (2.5)	▲
Dubai, UAE	47 (1.7)	
Norway (4)	40 (2.9)	▼
Abu Dhabi, UAE	26 (2.4)	▼
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.

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

**S13\_09 (S051180): Object inside a wooden box**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Japan	94 (1.0)	▲
Chinese Taipei	91 (1.2)	▲
Singapore	86 (1.3)	▲
Hong Kong SAR	86 (1.6)	▲
Korea, Rep. of	85 (1.6)	▲
United States	80 (1.1)	▲
Kazakhstan	79 (2.0)	▲
England	78 (1.9)	▲
Poland	78 (1.7)	▲
Oman	76 (1.2)	▲
Slovenia	75 (2.4)	▲
Germany	75 (2.0)	▲
Bulgaria	73 (2.4)	▲
Denmark	71 (2.3)	▲
Serbia	70 (2.4)	
Slovak Republic	69 (1.6)	
Netherlands	69 (2.2)	
Russian Federation	68 (1.9)	
Finland	68 (2.5)	
Sweden	68 (2.4)	
Northern Ireland	66 (3.3)	
Lithuania	66 (2.2)	
<b>International Avg.</b>	<b>66 (0.3)</b>	
Czech Republic	65 (2.3)	
Italy	65 (2.3)	
Hungary	65 (2.0)	
Ireland	65 (2.1)	
New Zealand	63 (1.9)	
Iran, Islamic Rep. of	63 (3.1)	
Morocco	63 (2.8)	
Australia	63 (2.5)	
Canada	62 (1.6)	▼
Spain	60 (2.1)	▼
Belgium (Flemish)	60 (2.4)	▼
Norway (5)	59 (2.6)	▼
Qatar	59 (2.2)	▼
Portugal	59 (2.0)	▼
United Arab Emirates	59 (1.2)	▼
France	59 (2.4)	▼
Bahrain	56 (2.9)	▼
Cyprus	54 (1.9)	▼
Croatia	54 (2.2)	▼
Georgia	53 (2.7)	▼
Turkey	50 (2.0)	▼
Chile	49 (2.3)	▼
Indonesia	44 (2.6)	▼
Saudi Arabia	42 (2.3)	▼
Kuwait	32 (3.0)	▼
<b>Benchmarking Participants</b>		
Florida, US	74 (2.8)	▲
Dubai, UAE	69 (1.8)	
Quebec, Canada	63 (3.2)	
Ontario, Canada	63 (2.0)	
Abu Dhabi, UAE	55 (2.3)	▼
Buenos Aires, Argentina	47 (2.8)	▼
Norway (4)	46 (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**

**S13\_10 (S051106): Amount of water and land on Earth**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	81 (1.7)	▲
Hong Kong SAR	65 (2.3)	▲
Turkey	63 (2.0)	▲
Sweden	62 (2.2)	▲
Lithuania	61 (2.2)	▲
Poland	58 (2.4)	▲
Hungary	58 (2.5)	▲
Georgia	57 (2.2)	▲
Chinese Taipei	56 (2.5)	▲
Croatia	54 (2.5)	▲
Kazakhstan	53 (2.5)	▲
United States	50 (1.6)	▲
Oman	50 (1.7)	▲
Norway (5)	48 (2.8)	
Slovenia	48 (2.4)	
Finland	47 (1.7)	
Ireland	47 (2.6)	
Northern Ireland	46 (2.8)	
Russian Federation	46 (2.8)	
Singapore	45 (1.8)	
Bulgaria	45 (2.7)	
Denmark	45 (2.3)	
United Arab Emirates	45 (1.3)	
<b>International Avg.</b>	<b>44 (0.3)</b>	
Saudi Arabia	42 (2.4)	
Slovak Republic	41 (2.1)	
Germany	41 (2.3)	
Serbia	40 (2.7)	
Portugal	40 (2.3)	▼
Qatar	39 (2.5)	▼
England	39 (2.3)	▼
Cyprus	39 (2.3)	▼
Belgium (Flemish)	38 (2.0)	▼
Bahrain	38 (2.8)	▼
New Zealand	37 (2.0)	▼
Italy	37 (2.2)	▼
Czech Republic	35 (1.9)	▼
Japan	35 (2.2)	▼
Australia	34 (2.0)	▼
Canada	34 (1.3)	▼
Spain	34 (1.8)	▼
Netherlands	33 (2.3)	▼
Iran, Islamic Rep. of	32 (2.9)	▼
Chile	31 (2.0)	▼
Kuwait	29 (2.3)	▼
Morocco	28 (2.6)	▼
Indonesia	14 (1.9)	▼
France	- -	
<b>Benchmarking Participants</b>		
Dubai, UAE	57 (1.7)	▲
Florida, US	44 (3.0)	
Norway (4)	41 (2.6)	
Ontario, Canada	36 (1.9)	▼
Abu Dhabi, UAE	35 (2.4)	▼
Quebec, Canada	31 (2.7)	▼
Buenos Aires, Argentina	14 (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.

A dash (-) indicates comparable data not available

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

**S13\_11 (S051148): What makes up solar system**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Russian Federation	81 (1.4)	▲
Bulgaria	77 (2.3)	▲
Portugal	76 (1.9)	▲
Hong Kong SAR	75 (1.6)	▲
Poland	74 (2.1)	▲
Korea, Rep. of	72 (1.7)	▲
Hungary	72 (1.9)	▲
Slovak Republic	72 (2.1)	▲
Finland	71 (1.9)	▲
Czech Republic	69 (2.0)	▲
Sweden	69 (2.3)	▲
United States	69 (1.3)	▲
Croatia	68 (2.1)	▲
Kazakhstan	67 (2.6)	▲
Spain	66 (2.5)	▲
Denmark	66 (2.5)	▲
Norway (5)	65 (2.5)	▲
Chinese Taipei	64 (2.2)	▲
England	64 (2.8)	▲
Germany	64 (2.1)	▲
Ireland	63 (2.7)	
Northern Ireland	63 (2.5)	
Chile	62 (1.6)	▲
Lithuania	61 (2.3)	
Netherlands	59 (2.4)	
<b>International Avg.</b>	<b>58 (0.3)</b>	
United Arab Emirates	57 (1.2)	
Iran, Islamic Rep. of	57 (3.1)	
Italy	56 (2.2)	
New Zealand	56 (2.2)	
Australia	55 (2.4)	
Georgia	55 (2.5)	
Bahrain	55 (2.4)	
Canada	54 (1.4)	▼
Singapore	52 (1.9)	▼
Oman	50 (1.8)	▼
Qatar	49 (2.5)	▼
Belgium (Flemish)	48 (2.3)	▼
Serbia	48 (2.8)	▼
France	46 (2.5)	▼
Japan	44 (2.1)	▼
Saudi Arabia	43 (2.2)	▼
Kuwait	41 (2.5)	▼
Morocco	37 (2.1)	▼
Cyprus	36 (2.2)	▼
Turkey	34 (1.9)	▼
Slovenia	34 (2.3)	▼
Indonesia	26 (2.2)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	69 (1.6)	▲
Florida, US	69 (2.4)	▲
Quebec, Canada	58 (3.6)	
Norway (4)	57 (2.5)	
Ontario, Canada	54 (1.7)	▼
Abu Dhabi, UAE	48 (2.2)	▼
Buenos Aires, Argentina	41 (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**

**S14\_02 (S061014): Jack on a bus with sick man**  
**Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Chinese Taipei	82 (2.0) ▲	94 (1.0) ▲
Japan	78 (1.8) ▲	99 (0.4) ▲
Singapore	65 (1.6) ▲	95 (0.8) ▲
Korea, Rep. of	63 (1.9) ▲	96 (0.9) ▲
Hong Kong SAR	59 (2.4) ▲	92 (1.5) ▲
Denmark	58 (2.2) ▲	94 (1.1) ▲
Russian Federation	57 (2.0) ▲	94 (1.1) ▲
Slovenia	56 (2.3) ▲	94 (1.0) ▲
Lithuania	56 (2.3) ▲	94 (1.0) ▲
Serbia	53 (2.9) ▲	90 (1.6) ▲
Australia	52 (1.9) ▲	90 (1.2) ▲
Cyprus	50 (2.5) ▲	86 (1.4) ▲
Canada	47 (1.6) ▲	90 (0.8) ▲
New Zealand	46 (2.0) ▲	89 (1.1) ▲
Bulgaria	45 (2.5)	83 (2.0)
Georgia	44 (2.3)	82 (2.1)
Ireland	44 (2.5)	91 (1.7) ▲
Kazakhstan	43 (2.3)	88 (1.6) ▲
England	43 (2.3)	89 (1.5) ▲
United States	43 (1.5)	90 (0.9) ▲
Italy	43 (2.6)	91 (1.2) ▲
Portugal	43 (2.1)	90 (1.4) ▲
<b>International Avg.</b>	<b>42 (0.3)</b>	<b>84 (0.2)</b>
Chile	41 (2.3)	85 (1.8)
Poland	41 (2.1)	92 (1.2) ▲
Turkey	41 (2.1)	86 (1.4)
Norway (5)	40 (2.7)	91 (1.2) ▲
Croatia	39 (2.6)	86 (1.8)
Northern Ireland	39 (2.3)	90 (1.6) ▲
Belgium (Flemish)	37 (2.1) ▼	92 (1.1) ▲
Slovak Republic	37 (2.1) ▼	88 (1.4) ▲
Finland	37 (2.1) ▼	89 (1.4) ▲
Netherlands	37 (2.4) ▼	79 (1.9) ▼
Hungary	36 (2.2) ▼	88 (1.7) ▲
Bahrain	36 (2.5) ▼	68 (1.9) ▼
Czech Republic	35 (1.7) ▼	87 (1.5) ▲
United Arab Emirates	34 (1.2) ▼	67 (1.3) ▼
Sweden	31 (2.0) ▼	87 (1.8) ▲
Spain	30 (1.6) ▼	79 (1.9) ▼
Oman	30 (1.7) ▼	64 (1.8) ▼
Qatar	27 (2.0) ▼	62 (2.1) ▼
Iran, Islamic Rep. of	27 (2.2) ▼	66 (3.0) ▼
France	26 (2.1) ▼	83 (1.7)
Indonesia	25 (2.2) ▼	60 (2.5) ▼
Saudi Arabia	25 (2.0) ▼	55 (2.0) ▼
Germany	25 (1.9) ▼	87 (1.6) ▲
Morocco	25 (2.1) ▼	58 (2.3) ▼
Kuwait	11 (1.7) ▼	36 (2.5) ▼
<b>Benchmarking Participants</b>		
Quebec, Canada	49 (3.2) ▲	93 (1.7) ▲
Ontario, Canada	48 (2.3) ▲	89 (1.3) ▲
Dubai, UAE	47 (2.0) ▲	81 (1.1) ▼
Florida, US	46 (3.4)	88 (2.3) ▲
Norway (4)	36 (2.6) ▼	91 (1.3) ▲
Abu Dhabi, UAE	34 (2.3) ▼	63 (2.3) ▼
Buenos Aires, Argentina	33 (2.1) ▼	73 (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**

**S14\_03 (S061056): Mary's and Jenny's flowers**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	92 (1.3)	▲
Singapore	91 (1.1)	▲
Slovenia	89 (1.3)	▲
Croatia	89 (1.5)	▲
Poland	88 (1.3)	▲
Korea, Rep. of	87 (1.5)	▲
Sweden	87 (1.9)	▲
Finland	85 (1.7)	▲
Lithuania	85 (1.9)	▲
Germany	84 (1.7)	▲
Russian Federation	84 (1.7)	▲
Czech Republic	83 (1.4)	▲
Serbia	82 (1.8)	▲
Slovak Republic	81 (1.7)	▲
Hungary	80 (1.8)	▲
Portugal	80 (1.8)	▲
Canada	79 (1.4)	▲
United States	79 (1.2)	▲
Spain	78 (1.7)	▲
France	77 (2.4)	▲
Cyprus	77 (1.6)	▲
Belgium (Flemish)	77 (1.8)	▲
New Zealand	76 (1.6)	▲
Norway (5)	76 (2.1)	
Chinese Taipei	75 (2.3)	
Netherlands	75 (2.1)	
Denmark	75 (1.9)	
England	75 (1.8)	
Australia	75 (2.3)	
Italy	74 (2.2)	
Kazakhstan	74 (2.3)	
<b>International Avg.</b>	<b>72 (0.3)</b>	
Ireland	71 (2.1)	
Hong Kong SAR	69 (2.4)	
Chile	68 (2.0)	
Iran, Islamic Rep. of	67 (3.1)	
Bulgaria	64 (2.5)	▼
Northern Ireland	64 (2.7)	▼
Bahrain	58 (2.1)	▼
Oman	56 (1.7)	▼
Georgia	56 (2.8)	▼
Indonesia	54 (3.2)	▼
United Arab Emirates	52 (1.4)	▼
Turkey	51 (2.1)	▼
Qatar	51 (2.2)	▼
Morocco	42 (2.4)	▼
Saudi Arabia	26 (1.9)	▼
Kuwait	19 (2.3)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	82 (2.1)	▲
Quebec, Canada	78 (2.9)	▲
Florida, US	74 (2.6)	
Norway (4)	67 (2.4)	▼
Dubai, UAE	66 (1.4)	▼
Buenos Aires, Argentina	58 (2.5)	▼
Abu Dhabi, UAE	47 (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**

**S14\_04 (S061015): Best environment for shark**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Korea, Rep. of	87 (1.3)	▲
Sweden	81 (1.8)	▲
Serbia	78 (2.0)	▲
United States	77 (1.1)	▲
Croatia	74 (1.9)	▲
Japan	73 (2.1)	▲
Finland	73 (2.3)	▲
Singapore	73 (1.6)	▲
Canada	72 (1.4)	▲
England	71 (1.9)	▲
Portugal	71 (2.0)	▲
Ireland	71 (2.6)	▲
Poland	71 (2.2)	▲
Spain	71 (2.0)	▲
Hungary	70 (1.8)	▲
Chinese Taipei	69 (2.1)	▲
Australia	69 (2.1)	▲
Slovenia	69 (2.0)	▲
Netherlands	67 (1.9)	▲
Czech Republic	66 (2.2)	▲
Chile	64 (2.2)	
New Zealand	64 (1.8)	▲
Lithuania	63 (2.4)	
Germany	63 (2.1)	
Kazakhstan	63 (2.4)	
Northern Ireland	63 (2.5)	
Russian Federation	63 (2.6)	
Norway (5)	62 (2.5)	
Italy	61 (2.4)	
Hong Kong SAR	60 (2.4)	
International Avg.	60 (0.3)	
Cyprus	60 (2.0)	
Bulgaria	59 (3.0)	
Belgium (Flemish)	57 (2.3)	
Denmark	55 (2.3)	▼
Slovak Republic	55 (2.9)	
France	50 (2.4)	▼
Oman	50 (1.6)	▼
Qatar	48 (1.8)	▼
Bahrain	47 (1.9)	▼
United Arab Emirates	43 (1.2)	▼
Georgia	39 (2.6)	▼
Turkey	39 (2.0)	▼
Iran, Islamic Rep. of	34 (3.0)	▼
Saudi Arabia	33 (2.1)	▼
Morocco	33 (2.6)	▼
Indonesia	29 (2.4)	▼
Kuwait	20 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	78 (1.9)	▲
Ontario, Canada	77 (1.9)	▲
Quebec, Canada	68 (3.1)	▲
Dubai, UAE	62 (2.2)	
Buenos Aires, Argentina	56 (3.3)	
Norway (4)	50 (2.9)	▼
Abu Dhabi, UAE	38 (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**

**S14\_05 (S061113): Boiling water before drinking**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Denmark	70 (2.2)	▲
Russian Federation	57 (2.5)	▲
Chinese Taipei	57 (2.4)	▲
Kazakhstan	56 (2.2)	▲
Hong Kong SAR	55 (2.8)	▲
Singapore	51 (1.7)	▲
Norway (5)	48 (2.6)	▲
Japan	47 (2.2)	▲
Germany	44 (2.3)	▲
Finland	41 (2.3)	▲
Korea, Rep. of	40 (1.9)	▲
Australia	38 (2.6)	▲
Cyprus	37 (2.1)	▲
Ireland	36 (2.6)	▲
Netherlands	33 (2.5)	
Croatia	33 (2.1)	
Lithuania	33 (2.2)	
Georgia	32 (2.6)	
Bulgaria	31 (2.6)	
Turkey	30 (2.1)	
Poland	30 (2.1)	
<b>International Avg.</b>	<b>30 (0.3)</b>	
France	27 (1.8)	
Northern Ireland	27 (2.6)	
Qatar	27 (1.9)	
Italy	27 (2.0)	
New Zealand	25 (1.8)	▼
United Arab Emirates	25 (1.2)	▼
Slovenia	24 (1.9)	▼
United States	24 (1.6)	▼
Serbia	23 (2.1)	▼
Portugal	22 (1.9)	▼
Canada	22 (1.2)	▼
Belgium (Flemish)	20 (1.7)	▼
Sweden	19 (2.1)	▼
England	19 (1.8)	▼
Iran, Islamic Rep. of	19 (2.1)	▼
Hungary	18 (1.5)	▼
Bahrain	17 (1.7)	▼
Spain	16 (1.7)	▼
Saudi Arabia	16 (1.6)	▼
Oman	14 (1.2)	▼
Morocco	13 (1.6)	▼
Czech Republic	12 (1.3)	▼
Chile	11 (1.4)	▼
Indonesia	10 (1.3)	▼
Slovak Republic	10 (1.3)	▼
Kuwait	10 (1.7)	▼
<b>Benchmarking Participants</b>		
Norway (4)	39 (2.3)	▲
Dubai, UAE	38 (2.1)	▲
Quebec, Canada	37 (3.1)	▲
Buenos Aires, Argentina	19 (2.1)	▼
Florida, US	18 (2.3)	▼
Abu Dhabi, UAE	15 (2.3)	▼
Ontario, Canada	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**

**S14\_06 (S061107): Property of a liquid**  
**Multiple Choice (Key is D)**

Country	Percent Correct	
Korea, Rep. of	82 (1.6)	▲
Singapore	76 (1.7)	▲
Italy	65 (2.3)	▲
Bulgaria	62 (3.2)	▲
Hong Kong SAR	61 (2.3)	▲
Hungary	60 (2.4)	▲
Chinese Taipei	59 (2.3)	▲
United States	58 (1.4)	▲
Slovenia	57 (2.7)	▲
Croatia	57 (2.1)	▲
Russian Federation	55 (2.4)	▲
Chile	54 (2.0)	▲
Turkey	53 (2.1)	▲
Serbia	52 (2.5)	▲
England	51 (2.2)	▲
Japan	49 (2.3)	
Bahrain	47 (2.2)	
Ireland	46 (2.4)	
United Arab Emirates	46 (1.2)	
Portugal	46 (2.0)	
<b>International Avg.</b>	<b>45 (0.3)</b>	
Qatar	45 (2.1)	
Finland	44 (2.5)	
Spain	44 (1.7)	
Canada	43 (1.6)	
Slovak Republic	42 (1.9)	
Indonesia	42 (2.6)	
Lithuania	42 (2.7)	
Poland	42 (2.1)	
Australia	39 (2.1)	▼
Cyprus	39 (2.3)	▼
Germany	39 (2.4)	▼
Kazakhstan	38 (2.7)	▼
Oman	38 (1.5)	▼
Northern Ireland	37 (2.4)	▼
Netherlands	36 (2.3)	▼
Saudi Arabia	35 (1.8)	▼
Georgia	35 (2.9)	▼
Czech Republic	35 (2.0)	▼
Iran, Islamic Rep. of	33 (3.0)	▼
New Zealand	33 (1.7)	▼
Denmark	31 (2.3)	▼
Morocco	31 (2.6)	▼
Norway (5)	28 (2.2)	▼
Sweden	28 (1.9)	▼
France	25 (1.9)	▼
Kuwait	24 (2.3)	▼
Belgium (Flemish)	24 (2.0)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	62 (1.5)	▲
Florida, US	60 (3.5)	▲
Ontario, Canada	48 (2.4)	
Abu Dhabi, UAE	37 (2.2)	▼
Quebec, Canada	33 (3.1)	▼
Buenos Aires, Argentina	29 (2.4)	▼
Norway (4)	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**

**S14\_07 (S061046): Mary dissolving sugar**  
**Multiple Choice (Key is C)**

Country	Percent Correct	
Singapore	77 (1.6)	▲
Japan	71 (2.1)	▲
Chinese Taipei	65 (2.0)	▲
Korea, Rep. of	65 (1.9)	▲
Hong Kong SAR	56 (3.0)	▲
Russian Federation	56 (2.2)	▲
Bulgaria	55 (3.1)	▲
England	55 (2.2)	▲
Kazakhstan	54 (2.7)	▲
United States	50 (1.5)	▲
Poland	49 (1.9)	▲
Hungary	49 (2.2)	▲
Finland	49 (2.4)	▲
Croatia	48 (2.4)	▲
Australia	48 (2.5)	
Serbia	47 (2.1)	
Czech Republic	47 (2.3)	
Ireland	46 (2.5)	
Slovak Republic	46 (2.4)	
Lithuania	46 (2.8)	
Italy	45 (2.0)	
New Zealand	45 (1.8)	
Sweden	44 (2.2)	
<b>International Avg.</b>	<b>43 (0.3)</b>	
Norway (5)	42 (2.5)	
Northern Ireland	42 (2.3)	
Netherlands	41 (2.2)	
Canada	40 (1.6)	
Slovenia	40 (2.2)	
Cyprus	40 (2.4)	
Germany	40 (2.1)	
Belgium (Flemish)	38 (2.0)	▼
United Arab Emirates	38 (1.1)	▼
Turkey	36 (1.8)	▼
Denmark	36 (2.1)	▼
Portugal	36 (1.9)	▼
Oman	36 (1.6)	▼
Bahrain	34 (1.9)	▼
Iran, Islamic Rep. of	34 (3.0)	▼
Spain	34 (1.7)	▼
Qatar	34 (2.2)	▼
Georgia	31 (2.4)	▼
Indonesia	30 (2.0)	▼
France	29 (2.3)	▼
Morocco	26 (2.2)	▼
Chile	26 (2.0)	▼
Kuwait	21 (2.3)	▼
Saudi Arabia	20 (1.9)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	47 (1.4)	▲
Florida, US	46 (3.6)	
Ontario, Canada	41 (2.5)	
Quebec, Canada	40 (3.2)	
Abu Dhabi, UAE	36 (1.9)	▼
Norway (4)	33 (2.3)	▼
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**

**S14\_08 (S061047): Object X complete circuit**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	95 (0.8)	▲
Chinese Taipei	94 (1.1)	▲
Singapore	91 (0.9)	▲
Germany	89 (1.3)	▲
Slovenia	87 (1.7)	▲
Lithuania	85 (1.6)	▲
Hong Kong SAR	84 (1.9)	▲
Sweden	83 (1.9)	▲
Russian Federation	83 (1.6)	▲
England	82 (1.7)	▲
United States	82 (1.0)	▲
Serbia	82 (1.8)	▲
Finland	82 (1.4)	▲
Poland	82 (1.5)	▲
Croatia	81 (2.1)	▲
Denmark	81 (2.0)	▲
Hungary	80 (1.9)	▲
Czech Republic	79 (1.8)	
Slovak Republic	79 (1.5)	▲
Norway (5)	79 (2.2)	
Korea, Rep. of	79 (1.5)	
Belgium (Flemish)	79 (1.7)	
Kazakhstan	77 (1.8)	
Netherlands	77 (2.3)	
<b>International Avg.</b>	<b>76 (0.3)</b>	
Bulgaria	76 (2.5)	
Italy	75 (2.2)	
Iran, Islamic Rep. of	75 (2.4)	
Ireland	75 (2.0)	
Spain	75 (2.1)	
New Zealand	74 (1.7)	
Australia	74 (2.3)	
Portugal	74 (2.1)	
France	74 (1.9)	
Oman	73 (1.6)	
Canada	73 (1.5)	▼
Northern Ireland	70 (2.1)	▼
Qatar	69 (2.0)	▼
Cyprus	69 (1.9)	▼
Turkey	68 (1.7)	▼
Bahrain	68 (3.1)	▼
Chile	67 (2.3)	▼
United Arab Emirates	67 (1.2)	▼
Morocco	61 (2.4)	▼
Indonesia	60 (2.6)	▼
Georgia	58 (3.0)	▼
Saudi Arabia	57 (1.9)	▼
Kuwait	46 (3.1)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	81 (1.5)	▲
Florida, US	79 (2.6)	
Ontario, Canada	74 (2.2)	
Quebec, Canada	73 (3.2)	
Norway (4)	71 (2.3)	▼
Buenos Aires, Argentina	66 (2.6)	▼
Abu Dhabi, UAE	62 (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**

**S14\_09 (S061048): Movements due to gravity**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Bulgaria	77 (2.3)	▲
Korea, Rep. of	74 (1.8)	▲
Chinese Taipei	72 (2.2)	▲
United States	68 (1.7)	▲
England	67 (1.9)	▲
Singapore	66 (1.8)	▲
Indonesia	66 (2.4)	▲
Slovak Republic	66 (2.0)	▲
Canada	61 (1.4)	▲
Kazakhstan	61 (2.9)	▲
Russian Federation	61 (2.0)	▲
Finland	58 (2.2)	▲
Turkey	58 (1.7)	▲
Hong Kong SAR	57 (2.6)	▲
Australia	56 (2.5)	▲
Czech Republic	56 (2.1)	▲
Poland	56 (2.0)	▲
Ireland	55 (2.7)	
Sweden	54 (2.4)	
Serbia	54 (3.1)	
Hungary	54 (2.5)	
Bahrain	53 (2.2)	
United Arab Emirates	53 (1.1)	
Denmark	52 (2.3)	
Saudi Arabia	52 (2.4)	
<b>International Avg.</b>	<b>51 (0.3)</b>	
Northern Ireland	50 (2.6)	
Netherlands	50 (2.4)	
New Zealand	48 (1.9)	
Spain	48 (2.5)	
Oman	48 (1.8)	
Chile	46 (2.3)	▼
Japan	44 (2.1)	▼
Cyprus	44 (2.1)	▼
Belgium (Flemish)	44 (2.3)	▼
Qatar	43 (2.1)	▼
Germany	41 (2.1)	▼
Slovenia	40 (2.3)	▼
Italy	38 (2.5)	▼
Croatia	38 (2.4)	▼
Lithuania	37 (2.5)	▼
Kuwait	36 (2.3)	▼
Norway (5)	35 (2.6)	▼
France	33 (2.1)	▼
Georgia	31 (2.3)	▼
Portugal	31 (1.8)	▼
Morocco	31 (2.6)	▼
Iran, Islamic Rep. of	28 (2.7)	▼
<b>Benchmarking Participants</b>		
Florida, US	76 (2.6)	▲
Ontario, Canada	68 (2.0)	▲
Dubai, UAE	65 (1.9)	▲
Quebec, Canada	54 (3.4)	
Abu Dhabi, UAE	47 (2.2)	
Norway (4)	32 (2.7)	▼
Buenos Aires, Argentina	32 (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**

**S14\_10 (S061096): Rocks on beach and in woods**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Korea, Rep. of	74 (1.7)	▲
Chinese Taipei	70 (2.0)	▲
Sweden	70 (2.7)	▲
Russian Federation	67 (2.0)	▲
Finland	64 (2.1)	▲
Poland	64 (2.2)	▲
Denmark	63 (2.0)	▲
Norway (5)	63 (2.4)	▲
Hong Kong SAR	60 (2.4)	▲
United States	60 (1.3)	▲
Bulgaria	59 (2.6)	▲
Northern Ireland	57 (2.5)	▲
Ireland	55 (2.6)	▲
Canada	55 (1.8)	▲
Croatia	55 (2.9)	▲
Slovenia	54 (2.8)	▲
Australia	53 (2.7)	
England	52 (2.2)	
Netherlands	52 (2.6)	
Belgium (Flemish)	52 (2.0)	
Czech Republic	51 (2.2)	
Lithuania	49 (2.5)	
<b>International Avg.</b>	<b>48 (0.3)</b>	
New Zealand	48 (1.8)	
Kazakhstan	48 (2.6)	
France	47 (2.0)	
Hungary	46 (2.5)	
Italy	46 (2.3)	
Portugal	46 (1.9)	
Japan	45 (2.0)	
Singapore	45 (1.8)	▼
Oman	43 (1.5)	▼
Slovak Republic	43 (2.0)	▼
Spain	41 (2.3)	▼
Germany	41 (2.3)	▼
United Arab Emirates	40 (1.1)	▼
Chile	40 (2.1)	▼
Turkey	38 (1.9)	▼
Serbia	37 (2.7)	▼
Indonesia	36 (2.2)	▼
Qatar	36 (2.1)	▼
Cyprus	35 (2.4)	▼
Bahrain	34 (2.4)	▼
Kuwait	33 (2.6)	▼
Saudi Arabia	31 (2.1)	▼
Georgia	30 (2.8)	▼
Morocco	30 (2.0)	▼
Iran, Islamic Rep. of	22 (2.2)	▼
<b>Benchmarking Participants</b>		
Florida, US	63 (2.8)	▲
Ontario, Canada	57 (2.4)	▲
Norway (4)	56 (2.5)	▲
Quebec, Canada	54 (4.0)	
Dubai, UAE	46 (1.7)	
Abu Dhabi, UAE	37 (2.4)	▼
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**

**S14\_11 (S061124): Recycle products made of metal (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Hungary	46 (2.3)	▲
Denmark	41 (2.1)	▲
Korea, Rep. of	40 (2.3)	▲
Czech Republic	39 (1.8)	▲
Lithuania	38 (2.5)	▲
Finland	37 (2.4)	▲
Croatia	37 (2.5)	▲
Kazakhstan	34 (2.5)	▲
Singapore	34 (1.7)	▲
Australia	33 (2.3)	▲
Germany	33 (2.1)	▲
Ireland	32 (2.2)	▲
Poland	32 (2.2)	▲
New Zealand	31 (1.7)	▲
Northern Ireland	31 (2.7)	
Netherlands	31 (2.3)	▲
Serbia	29 (2.1)	
Chile	29 (2.2)	
Hong Kong SAR	29 (2.6)	
Russian Federation	29 (1.7)	
Slovak Republic	29 (1.8)	
Chinese Taipei	28 (1.7)	
Slovenia	28 (1.9)	
United States	27 (1.3)	
Norway (5)	27 (2.0)	
England	26 (1.9)	
International Avg.	26 (0.3)	
Canada	26 (1.5)	
Bulgaria	25 (2.2)	
Sweden	24 (2.1)	
Belgium (Flemish)	24 (1.7)	
Cyprus	23 (1.7)	▼
United Arab Emirates	21 (1.1)	▼
Japan	21 (1.9)	▼
Indonesia	21 (2.0)	▼
Qatar	20 (1.7)	▼
France	19 (1.9)	▼
Portugal	19 (1.7)	▼
Georgia	17 (2.1)	▼
Bahrain	17 (1.8)	▼
Italy	17 (1.9)	▼
Spain	14 (1.5)	▼
Saudi Arabia	12 (1.3)	▼
Turkey	12 (1.5)	▼
Iran, Islamic Rep. of	12 (1.5)	▼
Oman	12 (1.0)	▼
Morocco	9 (1.3)	▼
Kuwait	8 (1.4)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	29 (2.2)	
Dubai, UAE	29 (1.9)	
Norway (4)	27 (2.2)	
Florida, US	23 (2.4)	
Abu Dhabi, UAE	19 (1.9)	▼
Quebec, Canada	16 (2.1)	▼
Buenos Aires, Argentina	8 (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**

**S14\_11B (S061124B): Recycle products made of metal: run out**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Hong Kong SAR	72 (2.8)	▲
Singapore	72 (1.3)	▲
Croatia	71 (2.5)	▲
Denmark	70 (2.0)	▲
Chinese Taipei	70 (2.1)	▲
Hungary	69 (2.2)	▲
Turkey	69 (2.0)	▲
Northern Ireland	68 (2.3)	▲
New Zealand	66 (2.2)	▲
Australia	65 (2.3)	▲
Korea, Rep. of	65 (2.2)	▲
Finland	65 (2.0)	▲
Norway (5)	63 (2.5)	▲
United States	63 (1.7)	▲
Ireland	63 (2.2)	▲
Poland	63 (2.4)	▲
Lithuania	63 (2.7)	▲
Kazakhstan	62 (2.7)	▲
Czech Republic	62 (2.0)	▲
England	61 (2.5)	
France	60 (2.2)	
Germany	60 (2.3)	
Serbia	59 (2.1)	
Canada	59 (1.7)	
Chile	59 (2.4)	
<b>International Avg.</b>	<b>57 (0.3)</b>	
Slovenia	56 (2.6)	
Portugal	56 (2.4)	
Sweden	54 (2.6)	
Spain	54 (2.5)	
United Arab Emirates	53 (1.3)	▼
Slovak Republic	53 (1.7)	▼
Iran, Islamic Rep. of	50 (2.8)	▼
Netherlands	50 (2.5)	▼
Japan	50 (2.0)	▼
Belgium (Flemish)	50 (1.8)	▼
Cyprus	49 (1.9)	▼
Russian Federation	49 (2.1)	▼
Qatar	48 (1.9)	▼
Indonesia	48 (2.4)	▼
Bahrain	47 (2.2)	▼
Italy	47 (2.4)	▼
Bulgaria	46 (2.1)	▼
Georgia	41 (2.6)	▼
Kuwait	41 (2.0)	▼
Saudi Arabia	41 (2.2)	▼
Oman	38 (1.4)	▼
Morocco	33 (2.3)	▼
<b>Benchmarking Participants</b>		
Florida, US	62 (3.1)	
Ontario, Canada	61 (2.6)	
Dubai, UAE	60 (1.5)	▲
Norway (4)	58 (2.5)	
Quebec, Canada	51 (3.3)	
Abu Dhabi, UAE	49 (2.0)	▼
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**

**S14\_11C (S061124C): Recycle products made of metal: plastic**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Hong Kong SAR	87 (1.7)	▲
Chinese Taipei	87 (1.6)	▲
Finland	85 (1.5)	▲
Denmark	82 (1.7)	▲
Lithuania	81 (2.0)	▲
Slovenia	81 (1.5)	▲
Croatia	81 (1.9)	▲
Singapore	81 (1.3)	▲
Ireland	81 (1.8)	▲
Czech Republic	81 (1.6)	▲
Hungary	81 (1.9)	▲
Germany	80 (1.6)	▲
Korea, Rep. of	80 (2.1)	▲
Serbia	79 (2.0)	▲
Norway (5)	79 (2.0)	▲
Australia	79 (2.1)	▲
Sweden	78 (2.1)	▲
Russian Federation	78 (1.9)	▲
Poland	77 (1.8)	▲
Slovak Republic	75 (1.5)	▲
United States	75 (1.0)	▲
England	74 (2.1)	▲
New Zealand	74 (1.8)	▲
Northern Ireland	74 (2.1)	▲
Japan	72 (1.9)	
Bulgaria	71 (2.7)	
Netherlands	70 (2.0)	
<b>International Avg.</b>	<b>70 (0.3)</b>	
Canada	68 (1.5)	
Cyprus	68 (1.8)	
Spain	67 (2.3)	
Kazakhstan	67 (2.4)	
Italy	67 (2.3)	
Qatar	64 (2.2)	▼
United Arab Emirates	63 (1.1)	▼
Chile	63 (2.1)	▼
Belgium (Flemish)	62 (1.9)	▼
France	61 (2.1)	▼
Portugal	59 (1.7)	▼
Bahrain	59 (2.5)	▼
Oman	57 (1.9)	▼
Indonesia	55 (2.7)	▼
Georgia	53 (3.0)	▼
Turkey	53 (1.7)	▼
Iran, Islamic Rep. of	52 (3.1)	▼
Saudi Arabia	51 (2.4)	▼
Morocco	43 (2.5)	▼
Kuwait	39 (2.3)	▼
<b>Benchmarking Participants</b>		
Norway (4)	76 (1.9)	▲
Dubai, UAE	75 (1.6)	▲
Ontario, Canada	72 (1.9)	
Florida, US	70 (2.4)	
Quebec, Canada	60 (3.4)	▼
Abu Dhabi, UAE	60 (2.2)	▼
Buenos Aires, Argentina	48 (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**

**S14\_11D (S061124D): Recycle products made of metal: garbage**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Croatia	89 (1.4)	▲
Hungary	86 (1.4)	▲
Hong Kong SAR	85 (1.9)	▲
Lithuania	83 (1.5)	▲
Belgium (Flemish)	82 (1.7)	▲
Russian Federation	80 (1.8)	▲
Serbia	80 (2.3)	▲
Czech Republic	79 (1.6)	▲
Poland	79 (1.8)	▲
Slovenia	79 (2.0)	▲
Slovak Republic	78 (1.9)	▲
Finland	77 (1.8)	▲
Netherlands	76 (2.3)	▲
Singapore	76 (1.5)	▲
Australia	75 (1.8)	▲
Germany	75 (1.8)	▲
Bulgaria	75 (2.2)	
Chinese Taipei	75 (1.9)	▲
Northern Ireland	75 (2.9)	
Ireland	75 (2.0)	▲
Spain	74 (1.9)	
Korea, Rep. of	73 (2.0)	
United States	72 (1.3)	
Denmark	72 (2.1)	
Chile	72 (2.2)	
Cyprus	71 (1.7)	
International Avg.	71 (0.3)	
New Zealand	71 (1.7)	
Kazakhstan	70 (2.3)	
Portugal	70 (1.8)	
Italy	67 (2.1)	
England	67 (2.4)	
Bahrain	67 (1.8)	
United Arab Emirates	67 (1.2)	▼
Canada	66 (1.6)	▼
Japan	65 (2.1)	▼
Turkey	64 (1.8)	▼
Norway (5)	64 (2.7)	▼
Qatar	63 (2.1)	▼
Indonesia	62 (2.4)	▼
France	61 (1.8)	▼
Georgia	60 (2.7)	▼
Sweden	59 (2.3)	▼
Saudi Arabia	56 (2.2)	▼
Iran, Islamic Rep. of	54 (3.3)	▼
Oman	54 (1.6)	▼
Kuwait	53 (2.4)	▼
Morocco	47 (2.3)	▼
<b>Benchmarking Participants</b>		
Dubai, UAE	75 (1.6)	▲
Florida, US	74 (2.8)	
Ontario, Canada	70 (2.1)	
Quebec, Canada	61 (3.1)	▼
Norway (4)	61 (3.0)	▼
Abu Dhabi, UAE	60 (2.3)	▼
Buenos Aires, Argentina	49 (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**

**S14\_11E (S061124E): Recycle products made of metal: expensive**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Korea, Rep. of	82 (1.6)	▲
Sweden	80 (2.0)	▲
Finland	76 (2.2)	▲
Russian Federation	75 (1.2)	▲
Hungary	74 (1.9)	▲
Netherlands	74 (2.1)	▲
Czech Republic	74 (1.8)	▲
Denmark	73 (1.9)	▲
Norway (5)	73 (2.1)	▲
Lithuania	72 (2.1)	▲
Bulgaria	72 (2.4)	▲
Kazakhstan	71 (2.1)	▲
Poland	67 (2.4)	▲
Ireland	67 (2.3)	▲
Northern Ireland	67 (2.6)	▲
Belgium (Flemish)	66 (1.8)	▲
Australia	65 (2.2)	▲
Germany	65 (2.0)	▲
Chile	64 (2.1)	
Canada	64 (1.6)	▲
Croatia	63 (2.3)	
Singapore	63 (1.6)	
New Zealand	62 (1.8)	
England	61 (2.0)	
Slovenia	61 (2.1)	
<b>International Avg.</b>	<b>61 (0.3)</b>	
Slovak Republic	60 (1.9)	
Japan	60 (1.9)	
Chinese Taipei	59 (2.1)	
Cyprus	59 (2.3)	
Indonesia	58 (2.5)	
Serbia	56 (2.8)	
United States	56 (1.5)	▼
France	55 (2.0)	▼
United Arab Emirates	55 (1.3)	▼
Oman	52 (1.7)	▼
Portugal	51 (2.3)	▼
Bahrain	51 (2.2)	▼
Qatar	51 (2.1)	▼
Italy	50 (2.3)	▼
Hong Kong SAR	49 (2.6)	▼
Saudi Arabia	48 (2.2)	▼
Morocco	48 (2.0)	▼
Iran, Islamic Rep. of	46 (2.6)	▼
Spain	43 (2.0)	▼
Georgia	42 (2.7)	▼
Kuwait	41 (2.1)	▼
Turkey	36 (2.0)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	66 (2.2)	▲
Norway (4)	66 (2.4)	▲
Dubai, UAE	59 (2.0)	
Quebec, Canada	58 (3.1)	
Abu Dhabi, UAE	55 (2.3)	▼
Florida, US	49 (2.7)	▼
Buenos Aires, Argentina	43 (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**

**S14\_12 (S061116): Temperature graphs (DERIVED)**  
**Constructed Response (1 Point)**

Country	Percent Correct	
Japan	78 (1.6)	▲
Chinese Taipei	73 (2.4)	▲
Hong Kong SAR	70 (2.0)	▲
Northern Ireland	66 (2.4)	▲
Korea, Rep. of	66 (1.9)	▲
Finland	65 (1.9)	▲
Netherlands	64 (2.3)	▲
Belgium (Flemish)	63 (2.1)	▲
Sweden	62 (2.6)	▲
Russian Federation	61 (2.1)	▲
Norway (5)	61 (2.4)	▲
England	60 (2.3)	▲
Singapore	60 (1.8)	▲
Poland	60 (2.5)	▲
Denmark	59 (2.2)	▲
Ireland	59 (2.4)	▲
Italy	56 (2.6)	▲
Canada	55 (1.7)	▲
Australia	54 (2.2)	▲
Slovak Republic	54 (2.3)	▲
United States	54 (1.2)	▲
New Zealand	53 (1.9)	▲
France	52 (2.2)	▲
Croatia	51 (2.7)	
Czech Republic	51 (2.3)	
Hungary	50 (2.3)	
Portugal	50 (1.7)	
Spain	49 (2.3)	
Slovenia	49 (1.9)	
Germany	47 (2.5)	
<b>International Avg.</b>	<b>47 (0.3)</b>	
Serbia	45 (3.2)	
Bulgaria	45 (2.7)	
Lithuania	42 (2.6)	
Kazakhstan	37 (2.6)	▼
United Arab Emirates	32 (0.9)	▼
Turkey	29 (1.5)	▼
Chile	26 (1.5)	▼
Qatar	26 (1.9)	▼
Cyprus	26 (2.1)	▼
Saudi Arabia	25 (2.1)	▼
Oman	21 (1.7)	▼
Iran, Islamic Rep. of	20 (2.4)	▼
Bahrain	20 (2.0)	▼
Georgia	18 (2.1)	▼
Kuwait	17 (1.8)	▼
Morocco	16 (1.7)	▼
Indonesia	12 (1.3)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	62 (2.4)	▲
Quebec, Canada	52 (2.8)	
Florida, US	50 (2.9)	
Dubai, UAE	45 (1.8)	
Norway (4)	42 (2.5)	
Abu Dhabi, UAE	26 (1.6)	▼
Buenos Aires, Argentina	21 (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**

**S14\_12B (S061116B): Temperature graphs: June**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Japan	93 (1.1)	▲
Korea, Rep. of	92 (1.1)	▲
Chinese Taipei	88 (1.7)	▲
Hong Kong SAR	87 (1.6)	▲
Belgium (Flemish)	86 (1.4)	▲
Russian Federation	84 (1.8)	▲
Singapore	83 (1.5)	▲
Hungary	83 (1.6)	▲
Poland	83 (1.8)	▲
Northern Ireland	82 (2.0)	▲
Finland	82 (1.9)	▲
Lithuania	82 (1.9)	▲
Norway (5)	81 (1.6)	▲
Slovenia	81 (1.7)	▲
Netherlands	80 (1.8)	▲
Denmark	79 (1.7)	▲
Croatia	79 (2.2)	▲
Sweden	79 (2.2)	▲
Germany	77 (1.8)	▲
Ireland	77 (1.8)	▲
Slovak Republic	77 (1.9)	▲
Czech Republic	76 (1.7)	▲
Turkey	76 (1.4)	▲
Australia	76 (2.0)	▲
New Zealand	75 (1.7)	▲
England	75 (2.1)	▲
Bulgaria	74 (2.5)	
Serbia	73 (2.6)	
Portugal	71 (1.7)	
Italy	71 (2.5)	
France	71 (2.1)	
<b>International Avg.</b>	<b>70 (0.3)</b>	
United States	70 (1.1)	
Canada	69 (1.4)	
Spain	64 (2.1)	▼
Kazakhstan	64 (2.5)	▼
United Arab Emirates	57 (1.1)	▼
Iran, Islamic Rep. of	57 (3.2)	▼
Chile	56 (2.1)	▼
Saudi Arabia	52 (1.9)	▼
Cyprus	50 (2.2)	▼
Qatar	49 (2.1)	▼
Bahrain	44 (3.4)	▼
Georgia	43 (2.7)	▼
Oman	42 (1.6)	▼
Kuwait	41 (2.3)	▼
Morocco	36 (2.5)	▼
Indonesia	34 (2.8)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	73 (2.1)	
Dubai, UAE	70 (1.5)	
Florida, US	70 (2.9)	
Quebec, Canada	67 (2.5)	
Norway (4)	66 (2.3)	
Abu Dhabi, UAE	49 (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**

**S14\_12C (S061116C): Temperature graphs: tropical**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	95 (0.9)	▲
Korea, Rep. of	92 (1.2)	▲
Hong Kong SAR	91 (1.6)	▲
Chinese Taipei	90 (1.5)	▲
Finland	87 (1.4)	▲
Northern Ireland	87 (1.8)	▲
Netherlands	86 (1.7)	▲
Poland	85 (1.8)	▲
Hungary	83 (1.5)	▲
Belgium (Flemish)	82 (1.8)	▲
England	82 (1.8)	▲
Russian Federation	81 (1.7)	▲
Ireland	80 (2.2)	▲
Norway (5)	79 (2.0)	▲
Canada	78 (1.2)	▲
Czech Republic	78 (1.9)	▲
Sweden	78 (2.1)	▲
United States	77 (1.2)	▲
Denmark	77 (1.6)	▲
Croatia	76 (2.3)	▲
New Zealand	76 (1.6)	▲
Singapore	76 (1.5)	▲
Lithuania	75 (2.0)	▲
Serbia	75 (2.8)	▲
Slovak Republic	75 (1.9)	▲
Australia	73 (1.7)	▲
Slovenia	73 (1.9)	
Germany	72 (2.2)	
France	72 (2.0)	
Portugal	72 (1.7)	
Italy	71 (2.4)	
Spain	70 (2.4)	
<b>International Avg.</b>	<b>70 (0.3)</b>	
Bulgaria	65 (2.6)	
Turkey	65 (1.9)	▼
Kazakhstan	58 (2.5)	▼
Chile	57 (2.2)	▼
United Arab Emirates	53 (1.1)	▼
Cyprus	49 (2.1)	▼
Qatar	48 (2.0)	▼
Saudi Arabia	48 (2.2)	▼
Bahrain	48 (2.4)	▼
Oman	46 (1.6)	▼
Iran, Islamic Rep. of	42 (3.2)	▼
Georgia	41 (2.4)	▼
Morocco	40 (2.4)	▼
Indonesia	39 (2.3)	▼
Kuwait	37 (2.6)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	81 (1.9)	▲
Quebec, Canada	77 (2.5)	▲
Florida, US	73 (2.8)	
Norway (4)	65 (2.4)	▼
Dubai, UAE	63 (1.5)	▼
Abu Dhabi, UAE	47 (2.1)	▼
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**

**S14\_12D (S061116D): Temperature graphs: November**  
**Multiple Choice (Key is A)**

Country	Percent Correct	
Japan	96 (0.8)	▲
Netherlands	92 (1.2)	▲
Northern Ireland	92 (1.3)	▲
Chinese Taipei	91 (1.2)	▲
Hong Kong SAR	90 (1.3)	▲
Korea, Rep. of	90 (1.3)	▲
Finland	89 (1.3)	▲
Poland	89 (1.5)	▲
Belgium (Flemish)	89 (1.3)	▲
Ireland	87 (1.6)	▲
Singapore	87 (1.3)	▲
England	86 (1.6)	▲
Denmark	84 (1.6)	▲
Hungary	84 (2.0)	▲
Russian Federation	84 (1.9)	▲
Norway (5)	84 (1.8)	▲
Czech Republic	83 (1.8)	▲
Sweden	83 (2.0)	▲
Lithuania	82 (1.8)	▲
United States	82 (1.0)	▲
Australia	81 (1.5)	▲
Canada	81 (1.3)	▲
Croatia	81 (2.0)	▲
Slovenia	80 (1.7)	▲
Portugal	79 (1.4)	▲
Slovak Republic	77 (1.8)	
New Zealand	77 (1.8)	
Serbia	77 (2.8)	
Italy	77 (2.3)	
France	76 (2.1)	
Bulgaria	75 (2.7)	
<b>International Avg.</b>	<b>75 (0.3)</b>	
Spain	74 (2.1)	
Germany	73 (1.8)	
Kazakhstan	71 (2.2)	
Cyprus	69 (2.1)	▼
Chile	68 (2.1)	▼
United Arab Emirates	63 (1.1)	▼
Turkey	60 (1.7)	▼
Qatar	57 (2.5)	▼
Bahrain	52 (2.8)	▼
Oman	50 (1.5)	▼
Saudi Arabia	50 (2.3)	▼
Georgia	48 (3.0)	▼
Kuwait	46 (2.5)	▼
Morocco	45 (2.1)	▼
Iran, Islamic Rep. of	44 (2.9)	▼
Indonesia	39 (2.2)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	85 (1.7)	▲
Quebec, Canada	80 (2.5)	▲
Florida, US	76 (1.9)	
Dubai, UAE	74 (1.5)	
Norway (4)	73 (1.9)	
Abu Dhabi, UAE	56 (2.2)	▼
Buenos Aires, Argentina	39 (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**

**S14\_12E (S061116E): Temperature graphs: Equator**  
**Multiple Choice (Key is B)**

Country	Percent Correct	
Japan	84 (1.5)	▲
Northern Ireland	83 (1.9)	▲
Hong Kong SAR	80 (1.9)	▲
Chinese Taipei	80 (2.4)	▲
Finland	79 (1.7)	▲
Singapore	79 (1.3)	▲
England	79 (1.7)	▲
Ireland	78 (1.9)	▲
Sweden	78 (2.1)	▲
Netherlands	76 (2.2)	▲
Norway (5)	75 (2.1)	▲
Korea, Rep. of	74 (1.7)	▲
Australia	74 (1.9)	▲
Denmark	73 (2.3)	▲
Russian Federation	73 (1.8)	▲
Poland	73 (2.2)	▲
Belgium (Flemish)	73 (2.0)	▲
United States	73 (1.1)	▲
Canada	73 (1.7)	▲
Italy	73 (2.4)	▲
Slovak Republic	70 (1.8)	▲
New Zealand	69 (2.0)	▲
Germany	69 (2.1)	
Slovenia	68 (2.1)	
Spain	67 (2.2)	
France	67 (2.1)	
Portugal	66 (2.0)	
Croatia	66 (2.3)	
Czech Republic	66 (2.3)	
<b>International Avg.</b>	<b>65 (0.3)</b>	
Bulgaria	64 (2.4)	
Hungary	64 (2.2)	
Lithuania	62 (2.4)	
Cyprus	59 (2.2)	▼
United Arab Emirates	58 (1.1)	▼
Kazakhstan	58 (2.6)	▼
Serbia	58 (2.5)	▼
Turkey	57 (1.6)	▼
Chile	55 (2.0)	▼
Qatar	52 (2.4)	▼
Oman	50 (1.6)	▼
Bahrain	48 (2.4)	▼
Iran, Islamic Rep. of	47 (3.1)	▼
Saudi Arabia	47 (2.1)	▼
Georgia	43 (2.7)	▼
Morocco	42 (2.2)	▼
Indonesia	40 (2.6)	▼
Kuwait	39 (2.1)	▼
<b>Benchmarking Participants</b>		
Ontario, Canada	79 (2.2)	▲
Quebec, Canada	72 (3.0)	▲
Florida, US	70 (2.7)	
Dubai, UAE	69 (1.9)	▲
Norway (4)	62 (2.0)	
Abu Dhabi, UAE	52 (2.3)	▼
Buenos Aires, Argentina	31 (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.



© IEA, 2017  
International Association  
for the Evaluation of  
Educational Achievement



BOSTON  
COLLEGE  
[timss.bc.edu](http://timss.bc.edu)