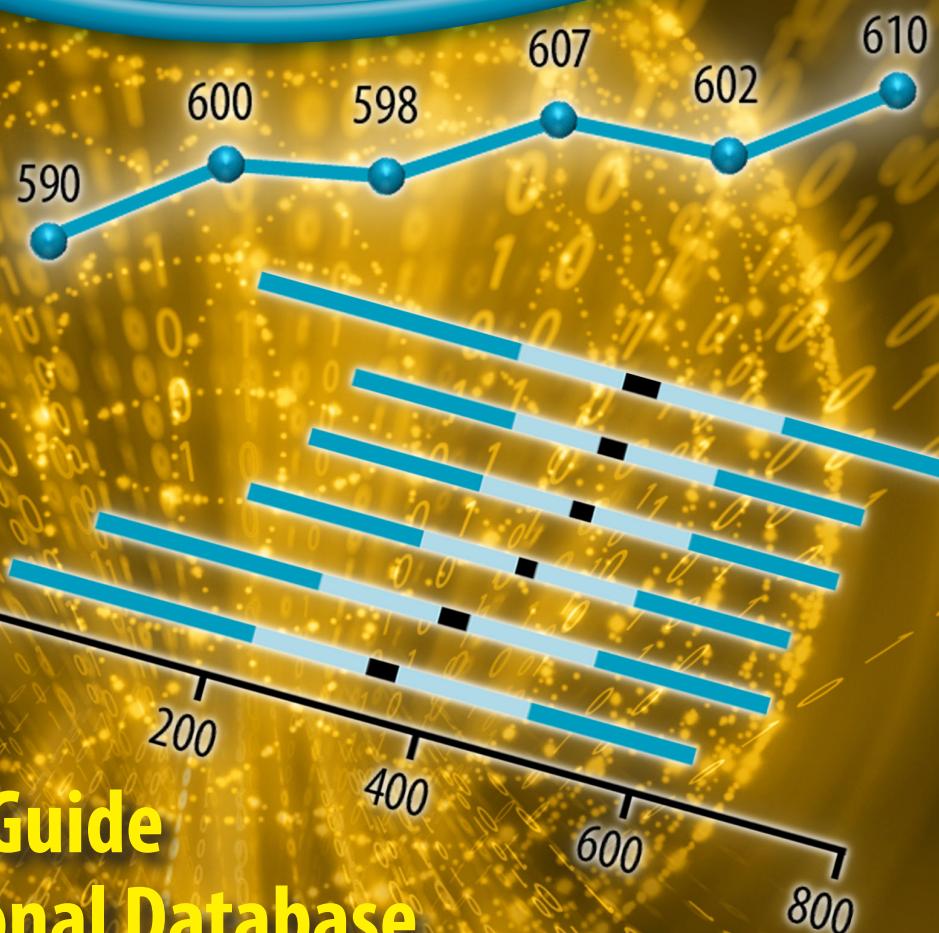


63 (1.7)	►
62 (1.4)	►
57 (2.0)	►
53 (0.7)	►
50 (1.3)	►
41 (1.3)	►
38 (1.9)	►



TIMSS 2015 User Guide for the International Database

ITEM PERCENT CORRECT STATISTICS

Science - Eighth Grade

TIMSS 2015 Percent Correct Statistics for Achievement Items

S01_01 (S042258): Function lungs-skin-kidneys share
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Lithuania	69 (2.3) ⬤	
Turkey	67 (2.2) ⬤	
Ireland	64 (2.2) ⬤	
Italy	63 (2.0) ⬤	
Korea, Rep. of	63 (1.9) ⬤	
Russian Federation	62 (2.6) ⬤	
Chinese Taipei	57 (1.8) ⬤	
Iran, Islamic Rep. of	52 (2.0) ⬤	
Kazakhstan	51 (3.0) ⬤	
Slovenia	51 (2.2) ⬤	
Thailand	51 (2.6) ⬤	
Georgia	48 (2.8) ⬤	
Japan	43 (2.0)	
Hungary	42 (2.2)	
Oman	41 (1.9)	
Lebanon	40 (2.7)	
Botswana (9)	40 (1.9)	
International Avg.	40 (0.3)	
Chile	39 (1.9)	
Bahrain	38 (2.0)	
Singapore	37 (1.7) ⬤	
Qatar	36 (2.0)	
Australia	34 (1.6) ⬤	
Norway (9)	33 (2.1) ⬤	
United Arab Emirates	33 (1.6) ⬤	
Saudi Arabia	33 (2.2) ⬤	
Malaysia	33 (1.7) ⬤	
Canada	31 (1.4) ⬤	
Israel	31 (1.7) ⬤	
Hong Kong SAR	31 (1.9) ⬤	
Kuwait	29 (2.0) ⬤	
United States	28 (1.4) ⬤	
Jordan	27 (1.8) ⬤	
Sweden	26 (2.0) ⬤	
Egypt	25 (1.6) ⬤	
England	24 (1.9) ⬤	
Malta	24 (2.1) ⬤	
New Zealand	22 (1.5) ⬤	
South Africa (9)	19 (1.6) ⬤	
Morocco	15 (1.1) ⬤	
Benchmarking Participants		
Dubai, UAE	47 (2.3) ⬤	
Quebec, Canada	36 (2.6)	
Norway (8)	30 (2.3) ⬤	
Florida, US	30 (3.1) ⬤	
Ontario, Canada	29 (2.0) ⬤	
Buenos Aires, Argentina	27 (2.4) ⬤	
Abu Dhabi, UAE	25 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S01_02 (S042005): Characteristic to classify orgs.
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	65 (2.1) ▲	73 (1.8) ▲
Japan	62 (1.9) ▲	75 (1.8) ▲
Chinese Taipei	62 (1.8) ▲	71 (1.5) ▲
Hungary	57 (2.3) ▲	63 (2.3) ▲
Iran, Islamic Rep. of	55 (2.1) ▲	65 (2.0) ▲
Singapore	50 (1.7) ▲	59 (1.8) ▲
Slovenia	49 (2.3) ▲	60 (2.2) ▲
England	48 (2.3) ▲	53 (2.2) ▲
Israel	47 (2.1) ▲	56 (1.9) ▲
United States	46 (1.6) ▲	55 (1.6) ▲
Italy	44 (2.4) ▲	54 (2.6) ▲
Australia	41 (1.9) ▲	47 (1.9) ▲
Hong Kong SAR	40 (2.2) ▲	45 (2.3)
Canada	40 (1.9) ▲	51 (1.9) ▲
Sweden	37 (1.8) ▲	47 (2.2) ▲
Lithuania	37 (2.3)	44 (2.4)
Turkey	36 (1.8)	41 (1.8)
Chile	36 (2.2)	44 (2.6)
New Zealand	35 (1.8)	39 (1.8) ▽
Thailand	34 (2.3)	40 (2.4)
Ireland	34 (1.9)	40 (2.1)
Malta	34 (2.1)	37 (2.1) ▽
International Avg.	33 (0.3)	43 (0.3)
Russian Federation	32 (2.2)	50 (2.3) ▲
Norway (9)	31 (2.4)	37 (2.4) ▽
Oman	31 (1.5)	43 (1.5)
United Arab Emirates	28 (1.0) ▽	32 (1.1) ▽
Qatar	25 (2.0) ▽	32 (2.1) ▽
Kazakhstan	23 (1.9) ▽	59 (2.2) ▲
Malaysia	20 (1.4) ▽	26 (1.7) ▽
Saudi Arabia	18 (1.7) ▽	25 (2.0) ▽
Jordan	17 (1.5) ▽	24 (1.4) ▽
Lebanon	14 (1.4) ▽	32 (2.5) ▽
Botswana (9)	13 (1.2) ▽	24 (1.8) ▽
Bahrain	12 (1.1) ▽	32 (2.0) ▽
Georgia	12 (1.4) ▽	17 (1.7) ▽
Kuwait	10 (1.1) ▽	27 (1.9) ▽
Egypt	10 (1.1) ▽	19 (1.4) ▽
Morocco	10 (0.9) ▽	14 (1.0) ▽
South Africa (9)	7 (1.0) ▽	18 (1.5) ▽
Benchmarking Participants		
Ontario, Canada	44 (2.0) ▲	57 (2.3) ▲
Florida, US	41 (2.7) ▲	46 (2.5)
Dubai, UAE	35 (2.0)	39 (1.7)
Norway (8)	33 (2.0)	46 (2.1)
Quebec, Canada	32 (2.9)	39 (2.8)
Abu Dhabi, UAE	25 (2.0) ▽	27 (2.0) ▽
Buenos Aires, Argentina	19 (2.1) ▽	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

S01_03 (S042016): Organelle that produces energy
 Multiple Choice (Key is A)

Country	Percent Correct	
Kazakhstan	57 (2.7)	
Chinese Taipei	57 (1.9)	
Korea, Rep. of	55 (2.3)	
Turkey	52 (2.5)	
Singapore	50 (1.8)	
Slovenia	49 (2.3)	
Israel	46 (2.3)	
Russian Federation	46 (2.6)	
United States	45 (1.8)	
Oman	39 (1.6)	
Canada	38 (2.4)	
Georgia	34 (2.3)	
Lithuania	34 (2.9)	
Bahrain	33 (2.4)	
Iran, Islamic Rep. of	33 (2.0)	
United Arab Emirates	33 (1.4)	
Chile	33 (1.9)	
Malta	32 (2.0)	
Italy	31 (2.3)	
International Avg.	30 (0.3)	
Sweden	29 (2.3)	
Australia	27 (2.0)	
Saudi Arabia	27 (2.3)	
Qatar	26 (1.6)	
Kuwait	25 (1.9)	
England	22 (2.0)	
Norway (9)	22 (2.2)	
South Africa (9)	22 (1.8)	
Japan	20 (1.4)	
Botswana (9)	19 (1.7)	
Hungary	18 (2.0)	
Ireland	18 (1.6)	
Egypt	17 (1.9)	
Thailand	16 (1.5)	
New Zealand	16 (1.6)	
Lebanon	15 (2.0)	
Jordan	15 (1.5)	
Malaysia	13 (1.1)	
Hong Kong SAR	12 (1.3)	
Morocco	5 (0.5)	
Benchmarking Participants		
Dubai, UAE	46 (2.1)	
Florida, US	42 (3.8)	
Ontario, Canada	42 (3.2)	
Norway (8)	32 (2.8)	
Quebec, Canada	31 (3.5)	
Abu Dhabi, UAE	27 (2.2)	
Buenos Aires, Argentina	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

S01_04A (S042300A): O2-CO2 release-removal: animals
Constructed Response (1 Point)

Country	Percent Correct
Japan	85 (1.4) ⬤
Singapore	82 (1.6) ⬤
Slovenia	76 (2.2) ⬤
Chinese Taipei	74 (1.5) ⬤
Russian Federation	70 (2.7) ⬤
Hong Kong SAR	70 (2.1) ⬤
Hungary	67 (2.1) ⬤
Korea, Rep. of	65 (1.9) ⬤
Kazakhstan	60 (2.0) ⬤
Ireland	56 (2.1) ⬤
Israel	55 (1.9) ⬤
Turkey	53 (2.2)
Sweden	52 (2.8)
Lithuania	51 (2.6)
United States	51 (1.5)
International Avg.	49 (0.3)
Bahrain	49 (2.1)
England	49 (2.3)
Canada	49 (1.5)
United Arab Emirates	48 (1.2)
Italy	48 (2.0)
Australia	47 (1.8)
Qatar	46 (2.1)
Malaysia	46 (2.4)
New Zealand	46 (1.7) ⬤
Georgia	44 (2.4) ⬤
Lebanon	43 (2.7) ⬤
Malta	42 (2.1) ⬤
Oman	42 (2.0) ⬤
Iran, Islamic Rep. of	42 (2.2) ⬤
Jordan	41 (1.8) ⬤
Norway (9)	39 (2.3) ⬤
Kuwait	36 (2.3) ⬤
Thailand	34 (2.4) ⬤
Morocco	32 (1.3) ⬤
Chile	31 (2.0) ⬤
Egypt	31 (1.8) ⬤
Botswana (9)	28 (1.9) ⬤
Saudi Arabia	25 (2.0) ⬤
South Africa (9)	24 (1.9) ⬤
Benchmarking Participants	
Dubai, UAE	64 (2.0) ⬤
Ontario, Canada	49 (2.4)
Quebec, Canada	47 (2.8)
Florida, US	45 (3.7)
Abu Dhabi, UAE	39 (2.2) ⬤
Norway (8)	32 (2.2) ⬤
Buenos Aires, Argentina	23 (2.3) ⬤

SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_04B (S042300B): O2-CO2 release-removal: plants
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	67 (1.8) ⬤	
Japan	54 (2.0) ⬤	
Hong Kong SAR	47 (2.8) ⬤	
Kazakhstan	38 (2.1) ⬤	
Chinese Taipei	35 (1.6) ⬤	
Russian Federation	26 (2.7) ⬤	
Turkey	23 (2.0) ⬤	
Korea, Rep. of	23 (1.7) ⬤	
Egypt	23 (1.7)	
Oman	22 (1.4) ⬤	
Slovenia	21 (1.9)	
United Arab Emirates	21 (1.0)	
International Avg.	19 (0.3)	
Qatar	19 (1.4)	
Bahrain	18 (1.4)	
Lebanon	17 (1.6)	
Botswana (9)	16 (1.4)	
Israel	16 (1.4) ⬤	
Jordan	16 (1.2) ⬤	
Italy	16 (1.8)	
Lithuania	16 (1.8)	
South Africa (9)	16 (1.2) ⬤	
Malaysia	15 (1.3) ⬤	
England	13 (1.7) ⬤	
Kuwait	13 (1.4) ⬤	
Thailand	13 (1.2) ⬤	
Norway (9)	13 (1.5) ⬤	
Malta	12 (1.3) ⬤	
United States	12 (0.9) ⬤	
Australia	11 (1.2) ⬤	
Georgia	11 (1.7) ⬤	
Ireland	11 (1.4) ⬤	
Sweden	10 (1.4) ⬤	
Hungary	10 (1.4) ⬤	
Saudi Arabia	10 (1.6) ⬤	
Morocco	10 (0.8) ⬤	
Canada	9 (0.9) ⬤	
New Zealand	8 (1.1) ⬤	
Iran, Islamic Rep. of	8 (1.0) ⬤	
Chile	8 (1.3) ⬤	
Benchmarking Participants		
Dubai, UAE	29 (2.2) ⬤	
Abu Dhabi, UAE	18 (1.8)	
Norway (8)	12 (1.6) ⬤	
Quebec, Canada	11 (1.9) ⬤	
Ontario, Canada	8 (1.1) ⬤	
Florida, US	8 (1.8) ⬤	
Buenos Aires, Argentina	5 (1.2) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_04C (S042300C): O2-CO2 release-removal: photosyn.
 Constructed Response (1 Point)

Country	Percent Correct	
Singapore	81 (1.5)	
Japan	76 (1.7)	
Chinese Taipei	72 (1.5)	
Slovenia	71 (2.2)	
Hong Kong SAR	70 (2.3)	
Russian Federation	61 (2.5)	
Kazakhstan	58 (2.2)	
Korea, Rep. of	58 (2.1)	
Ireland	57 (2.0)	
Sweden	55 (2.3)	
United States	53 (1.6)	
Hungary	53 (2.2)	
England	51 (2.3)	
Canada	51 (2.1)	
Israel	50 (1.8)	
Norway (9)	49 (2.3)	
United Arab Emirates	49 (1.1)	
Lithuania	48 (2.5)	
New Zealand	48 (1.5)	
Turkey	48 (2.2)	
Australia	48 (2.1)	
Malaysia	48 (1.9)	
International Avg.	47 (0.3)	
Bahrain	46 (1.9)	
Italy	46 (2.4)	
Qatar	46 (1.8)	
Oman	42 (1.7)	
Malta	41 (2.0)	
Jordan	38 (1.8)	
Lebanon	36 (2.5)	
Chile	34 (2.1)	
Botswana (9)	33 (1.8)	
Thailand	32 (2.3)	
Georgia	32 (2.4)	
Iran, Islamic Rep. of	30 (2.1)	
Egypt	30 (1.6)	
South Africa (9)	29 (1.8)	
Kuwait	29 (2.6)	
Morocco	23 (1.2)	
Saudi Arabia	23 (1.6)	
Benchmarking Participants		
Dubai, UAE	59 (1.4)	
Ontario, Canada	53 (2.7)	
Florida, US	48 (3.8)	
Quebec, Canada	46 (2.8)	
Abu Dhabi, UAE	43 (2.2)	
Norway (8)	42 (1.9)	
Buenos Aires, Argentina	23 (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

S01_05 (S042319): Designing plant growth experiment
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	64 (2.0)	
Japan	61 (2.3)	
England	51 (2.1)	
Hong Kong SAR	51 (2.9)	
Chinese Taipei	50 (2.1)	
Lithuania	45 (2.5)	
Korea, Rep. of	45 (2.5)	
Ireland	42 (2.1)	
Israel	42 (2.3)	
Slovenia	41 (2.4)	
United States	38 (1.6)	
New Zealand	36 (1.9)	
Kazakhstan	35 (1.9)	
Sweden	35 (3.2)	
Canada	34 (1.4)	
Australia	30 (1.7)	
Bahrain	30 (1.5)	
Russian Federation	28 (2.3)	
International Avg.	27 (0.3)	
Hungary	26 (1.8)	
Qatar	23 (1.6)	
Turkey	23 (2.0)	
Norway (9)	21 (1.6)	
Thailand	17 (1.6)	
Chile	17 (1.9)	
Malta	17 (1.5)	
Iran, Islamic Rep. of	16 (1.4)	
United Arab Emirates	15 (1.1)	
Italy	14 (1.7)	
Egypt	13 (1.3)	
Malaysia	13 (1.2)	
Saudi Arabia	13 (1.9)	
Oman	11 (1.2)	
Kuwait	10 (1.3)	
Lebanon	9 (1.4)	
Jordan	8 (1.0)	
Georgia	6 (1.5)	
Botswana (9)	4 (0.7)	
Morocco	3 (0.5)	
South Africa (9)	3 (0.7)	
Benchmarking Participants		
Quebec, Canada	36 (2.3)	
Florida, US	34 (3.1)	
Ontario, Canada	33 (2.3)	
Dubai, UAE	25 (1.6)	
Norway (8)	17 (1.9)	
Abu Dhabi, UAE	13 (1.6)	
Buenos Aires, Argentina	7 (1.5)	

Percent significantly higher than international average

Percent significantly lower 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 (S042068): Which one is a mixture
 Multiple Choice (Key is A)

Country	Percent Correct	
Slovenia	74 (2.4)	
Chinese Taipei	71 (1.6)	
Kazakhstan	68 (2.6)	
Singapore	59 (1.9)	
Hungary	57 (2.5)	
Israel	56 (1.9)	
Russian Federation	54 (3.0)	
Georgia	51 (2.8)	
Hong Kong SAR	49 (2.6)	
Oman	47 (1.8)	
Morocco	46 (1.7)	
Korea, Rep. of	45 (2.0)	
Japan	44 (2.0)	
Lithuania	43 (2.6)	
Iran, Islamic Rep. of	41 (2.5)	
Botswana (9)	41 (2.2)	
Qatar	40 (1.7)	
Ireland	40 (2.3)	
International Avg.	39 (0.3)	
United Arab Emirates	38 (1.4)	
England	37 (2.0)	
Egypt	37 (2.0)	
Malta	37 (2.2)	
Lebanon	35 (2.9)	
Malaysia	35 (1.7)	
Bahrain	35 (2.2)	
Turkey	32 (2.0)	
Jordan	32 (1.9)	
New Zealand	30 (1.7)	
Thailand	27 (2.1)	
Kuwait	26 (2.0)	
Canada	25 (1.5)	
Italy	24 (2.2)	
United States	24 (1.4)	
Saudi Arabia	24 (2.1)	
Norway (9)	23 (1.8)	
Sweden	22 (2.1)	
Australia	22 (1.4)	
South Africa (9)	15 (1.1)	
Chile	12 (1.5)	
Benchmarking Participants		
Dubai, UAE	49 (1.4)	
Abu Dhabi, UAE	34 (3.1)	
Quebec, Canada	28 (2.5)	
Ontario, Canada	24 (2.0)	
Norway (8)	24 (2.1)	
Florida, US	23 (3.1)	
Buenos Aires, Argentina	14 (1.7)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S01_07 (S042216): Student reading a book Multiple Choice (Key is D)

Country	Percent Correct
Singapore	90 (1.2)
Korea, Rep. of	89 (1.5)
Slovenia	86 (1.7)
Chinese Taipei	81 (1.8)
Qatar	75 (1.7)
Iran, Islamic Rep. of	74 (2.1)
Japan	73 (2.0)
England	73 (2.0)
Malta	73 (1.7)
Hong Kong SAR	69 (2.0)
New Zealand	66 (2.1)
United Arab Emirates	63 (1.3)
Norway (9)	61 (2.9)
Oman	61 (2.0)
Lithuania	61 (2.2)
International Avg.	60 (0.3)
United States	59 (1.6)
Ireland	59 (1.8)
Sweden	58 (2.2)
Hungary	58 (2.2)
Malaysia	57 (1.8)
Israel	56 (1.8)
Botswana (9)	55 (2.1)
Jordan	55 (2.0)
Thailand	55 (2.1)
Morocco	55 (1.5)
Russian Federation	55 (2.7)
Egypt	54 (2.0)
Kazakhstan	54 (2.8)
Australia	53 (2.0)
Canada	52 (1.8)
Bahrain	51 (1.7)
Kuwait	50 (2.6)
Saudi Arabia	50 (2.6)
Turkey	47 (2.1)
Chile	44 (2.0)
Lebanon	44 (2.7)
Italy	42 (2.1)
Georgia	41 (3.2)
South Africa (9)	36 (1.9)
Benchmarking Participants	
Dubai, UAE	72 (1.9)
Abu Dhabi, UAE	64 (2.6)
Florida, US	63 (3.4)
Quebec, Canada	52 (2.6)
Ontario, Canada	51 (2.4)
Norway (8)	43 (2.5)
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

S01_08 (S042249): Example of a lever
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	91 (1.1)	
Italy	84 (1.9)	
Russian Federation	82 (2.4)	
Chile	82 (2.2)	
Korea, Rep. of	80 (2.0)	
Canada	76 (1.6)	
England	71 (1.9)	
Australia	71 (1.7)	
New Zealand	69 (1.9)	
United States	69 (1.3)	
Malaysia	67 (2.0)	
Ireland	66 (2.2)	
Malta	65 (1.8)	
Singapore	61 (1.7)	
Hong Kong SAR	57 (2.3)	
Kazakhstan	57 (2.7)	
Iran, Islamic Rep. of	54 (1.9)	
Turkey	49 (2.1)	
Chinese Taipei	49 (2.0)	
International Avg.	48 (0.3)	
Sweden	43 (2.1)	
Hungary	39 (2.5)	
Egypt	38 (2.1)	
Lithuania	38 (3.0)	
Slovenia	37 (2.0)	
Bahrain	35 (1.9)	
United Arab Emirates	35 (1.3)	
South Africa (9)	34 (1.9)	
Qatar	34 (1.8)	
Georgia	32 (2.5)	
Oman	29 (1.5)	
Botswana (9)	26 (1.7)	
Israel	25 (1.6)	
Lebanon	24 (2.4)	
Jordan	23 (1.7)	
Norway (9)	22 (1.8)	
Saudi Arabia	21 (2.3)	
Kuwait	20 (2.0)	
Thailand	13 (1.6)	
Morocco	8 (0.8)	
Benchmarking Participants		
Quebec, Canada	80 (2.2)	
Ontario, Canada	77 (1.9)	
Buenos Aires, Argentina	73 (2.5)	
Florida, US	61 (3.4)	
Dubai, UAE	56 (2.0)	
Abu Dhabi, UAE	27 (2.2)	
Norway (8)	20 (2.0)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S01_09 (S042094): Why plastic bottle cracked
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Ireland	74 (2.0) ▲	
Korea, Rep. of	68 (2.4) ▲	
Norway (9)	56 (2.5) ▲	
Kazakhstan	55 (2.3) ▲	
Sweden	49 (3.1) ▲	
England	49 (2.2) ▲	
Japan	46 (2.2) ▲	
Lithuania	45 (2.5) ▲	
Canada	44 (1.6) ▲	
Russian Federation	44 (2.4) ▲	
Hungary	44 (2.2) ▲	
Slovenia	43 (2.3) ▲	
United States	42 (1.7) ▲	
Australia	41 (1.6) ▲	
Chinese Taipei	39 (2.0) ▲	
Italy	38 (2.3) ▲	
New Zealand	36 (2.1) ▲	
Singapore	33 (1.7)	
International Avg.	32 (0.3)	
Israel	32 (1.9)	
Bahrain	29 (2.2)	
Iran, Islamic Rep. of	27 (1.9) ▽	
Botswana (9)	25 (1.5) ▽	
Malta	25 (1.8) ▽	
Morocco	22 (1.3) ▽	
Georgia	22 (2.3) ▽	
United Arab Emirates	21 (0.9) ▽	
Egypt	21 (1.5) ▽	
Turkey	20 (1.6) ▽	
Kuwait	19 (1.9) ▽	
Qatar	19 (1.6) ▽	
Hong Kong SAR	17 (2.1) ▽	
Jordan	14 (1.2) ▽	
Saudi Arabia	14 (1.7) ▽	
Thailand	12 (1.5) ▽	
Oman	12 (0.9) ▽	
Lebanon	10 (1.5) ▽	
South Africa (9)	10 (1.5) ▽	
Chile	8 (1.2) ▽	
Malaysia	6 (0.7) ▽	
Benchmarking Participants		
Norway (8)	58 (2.2) ▲	
Ontario, Canada	44 (2.1) ▲	
Quebec, Canada	42 (2.8) ▲	
Florida, US	37 (3.9)	
Dubai, UAE	32 (1.8)	
Abu Dhabi, UAE	18 (1.8) ▽	
Buenos Aires, Argentina	11 (1.6) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S01_10A (S042293A): Force causing the ball to fall
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
England	85 (1.5) ▲	
Chinese Taipei	80 (1.4) ▲	
Ireland	79 (1.8) ▲	
Canada	79 (1.3) ▲	
Hong Kong SAR	79 (2.0) ▲	
Japan	79 (1.8) ▲	
United States	77 (1.4) ▲	
Singapore	74 (1.7) ▲	
Russian Federation	73 (2.3) ▲	
Slovenia	73 (2.2) ▲	
Australia	73 (2.0) ▲	
Korea, Rep. of	72 (1.5) ▲	
Sweden	72 (2.4) ▲	
Israel	71 (1.6) ▲	
Norway (9)	71 (2.0) ▲	
New Zealand	70 (1.9) ▲	
Iran, Islamic Rep. of	69 (2.0) ▲	
Hungary	64 (2.0)	
Malta	63 (1.8)	
United Arab Emirates	62 (1.3)	
Lithuania	62 (2.0)	
Kuwait	62 (2.9)	
International Avg.	61 (0.3)	
Bahrain	60 (2.1)	
Malaysia	57 (2.5)	
Italy	57 (2.2)	
Qatar	56 (1.9) ▽	
Oman	55 (1.8) ▽	
Kazakhstan	54 (2.5) ▽	
Turkey	53 (2.3) ▽	
Jordan	51 (1.7) ▽	
Lebanon	49 (3.0) ▽	
Chile	48 (2.0) ▽	
Botswana (9)	43 (2.0) ▽	
Morocco	35 (1.5) ▽	
Saudi Arabia	34 (2.6) ▽	
Egypt	32 (1.8) ▽	
Thailand	32 (2.2) ▽	
Georgia	32 (2.4) ▽	
South Africa (9)	31 (2.1) ▽	
Benchmarking Participants		
Ontario, Canada	82 (1.6) ▲	
Dubai, UAE	75 (1.4) ▲	
Florida, US	73 (3.2) ▲	
Quebec, Canada	72 (1.9) ▲	
Norway (8)	67 (2.4) ▲	
Abu Dhabi, UAE	54 (2.3) ▽	
Buenos Aires, Argentina	45 (2.8) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S01_10B (S042293B): Ball bouncing up again Constructed Response (1 Point)

Country	Percent Correct	
Singapore	53 (1.8)	
Kazakhstan	51 (2.6)	
Malta	22 (1.9)	
Canada	21 (1.4)	
Korea, Rep. of	21 (2.1)	
Turkey	19 (1.6)	
Israel	17 (1.6)	
England	15 (2.1)	
United States	14 (1.1)	
Australia	14 (1.3)	
Oman	13 (1.3)	
Russian Federation	13 (1.6)	
New Zealand	13 (1.3)	
Iran, Islamic Rep. of	11 (1.4)	
International Avg.	11 (0.2)	
Bahrain	11 (1.4)	
South Africa (9)	11 (1.1)	
Lithuania	10 (1.6)	
Hungary	10 (1.3)	
Georgia	10 (1.5)	
United Arab Emirates	9 (0.9)	
Italy	9 (1.2)	
Qatar	8 (1.2)	
Ireland	6 (1.0)	
Kuwait	6 (1.9)	
Hong Kong SAR	6 (1.0)	
Saudi Arabia	5 (1.1)	
Malaysia	5 (0.6)	
Chinese Taipei	5 (0.9)	
Sweden	4 (1.0)	
Egypt	4 (0.7)	
Lebanon	4 (1.0)	
Jordan	4 (0.6)	
Botswana (9)	4 (0.8)	
Norway (9)	3 (0.8)	
Slovenia	3 (0.8)	
Morocco	3 (0.5)	
Japan	3 (0.7)	
Chile	1 (0.5)	
Thailand	1 (0.4)	
Benchmarking Participants		
Quebec, Canada	34 (3.2)	
Ontario, Canada	17 (1.7)	
Florida, US	16 (2.3)	
Abu Dhabi, UAE	11 (2.1)	
Dubai, UAE	10 (1.1)	
Buenos Aires, Argentina	4 (1.0)	
Norway (8)	4 (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

S01_11 (S042195): What is resistance in a circuit Constructed Response (1 Point)

Country	Percent Correct	
Kazakhstan	72 (2.5) ⬤	
Japan	67 (1.9) ⬤	
Singapore	56 (1.8) ⬤	
Russian Federation	51 (2.7) ⬤	
Hungary	34 (2.1) ⬤	
Iran, Islamic Rep. of	26 (1.9) ⬤	
Italy	20 (2.2)	
International Avg.	16 (0.2)	
United Arab Emirates	16 (1.0)	
Kuwait	16 (2.0)	
Norway (9)	15 (1.8)	
Oman	15 (1.4)	
Egypt	15 (1.4)	
Georgia	15 (2.1)	
Turkey	14 (1.4)	
Ireland	14 (1.6)	
Korea, Rep. of	13 (1.7) ▽	
South Africa (9)	13 (1.3) ▽	
Malaysia	13 (1.2) ▽	
Chinese Taipei	12 (1.3) ▽	
Lithuania	12 (1.8) ▽	
Lebanon	11 (1.7) ▽	
Canada	9 (1.1) ▽	
England	9 (1.3) ▽	
Sweden	9 (1.7) ▽	
Malta	9 (1.1) ▽	
Bahrain	9 (1.0) ▽	
United States	8 (0.9) ▽	
Qatar	8 (1.1) ▽	
Hong Kong SAR	8 (1.3) ▽	
Botswana (9)	7 (1.0) ▽	
Thailand	6 (1.3) ▽	
Saudi Arabia	6 (1.1) ▽	
Morocco	5 (0.6) ▽	
Israel	4 (0.8) ▽	
Jordan	4 (0.7) ▽	
Slovenia	4 (0.9) ▽	
New Zealand	3 (0.7) ▽	
Australia	3 (0.7) ▽	
Chile	2 (0.4) ▽	
Benchmarking Participants		
Dubai, UAE	21 (1.9) ⬤	
Abu Dhabi, UAE	16 (1.9)	
Ontario, Canada	11 (1.4) ▽	
Florida, US	8 (1.3) ▽	
Quebec, Canada	8 (1.8) ▽	
Norway (8)	2 (0.7) ▽	
Buenos Aires, Argentina	1 (0.5) ▽	

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

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S01_12 (S042400): Wood/metal container to keep ice
 Constructed Response (1 Point)**

Country	Percent Correct
Singapore	74 (2.0)
Kazakhstan	52 (3.0)
Chinese Taipei	45 (1.8)
Japan	41 (1.9)
Israel	40 (2.1)
Slovenia	39 (1.9)
Russian Federation	37 (2.3)
England	36 (2.1)
Korea, Rep. of	34 (2.0)
Qatar	32 (1.8)
Hong Kong SAR	27 (2.1)
Ireland	26 (1.9)
Italy	25 (1.8)
Hungary	24 (2.2)
International Avg.	24 (0.3)
Sweden	24 (2.2)
United Arab Emirates	23 (1.4)
Turkey	23 (1.6)
Oman	23 (1.6)
United States	22 (1.4)
Georgia	21 (2.2)
Bahrain	20 (1.5)
Malaysia	20 (1.2)
Lithuania	20 (2.3)
Jordan	19 (1.4)
Botswana (9)	16 (1.4)
Canada	16 (1.3)
Egypt	16 (1.3)
Australia	15 (1.4)
Malta	15 (1.5)
Iran, Islamic Rep. of	14 (1.5)
Saudi Arabia	14 (1.6)
Morocco	13 (1.1)
New Zealand	13 (1.3)
Norway (9)	11 (1.4)
Kuwait	10 (1.5)
Lebanon	8 (1.1)
Thailand	8 (1.2)
South Africa (9)	8 (0.9)
Chile	6 (0.9)
Benchmarking Participants	
Dubai, UAE	36 (2.4)
Florida, US	21 (2.8)
Abu Dhabi, UAE	18 (2.5)
Ontario, Canada	17 (2.1)
Quebec, Canada	14 (2.3)
Buenos Aires, Argentina	6 (1.2)
Norway (8)	4 (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

S01_14 (S042164): Result gravitational pull of moon
 Multiple Choice (Key is B)

Country	Percent Correct
Russian Federation	70 (2.3) ▲
United States	69 (1.5) ▲
New Zealand	68 (2.2) ▲
Australia	63 (2.0) ▲
Lithuania	59 (2.3) ▲
Slovenia	58 (2.4) ▲
Sweden	55 (2.7) ▲
Hong Kong SAR	54 (2.4) ▲
Italy	54 (2.2) ▲
Qatar	52 (2.0) ▲
Bahrain	52 (2.2) ▲
Singapore	51 (1.7) ▲
Norway (9)	51 (2.2) ▲
Chinese Taipei	51 (1.7) ▲
Oman	50 (2.0) ▲
England	50 (2.3) ▲
Kazakhstan	49 (2.4) ▲
Ireland	48 (2.3)
Thailand	48 (2.4)
Chile	46 (2.2)
Canada	46 (1.8)
Korea, Rep. of	45 (2.2)
Kuwait	45 (2.1)
International Avg.	44 (0.3)
United Arab Emirates	44 (1.6)
Saudi Arabia	44 (2.4)
Israel	42 (1.8)
Turkey	38 (2.2) ▽
Iran, Islamic Rep. of	37 (2.0) ▽
Hungary	36 (2.1) ▽
Japan	35 (1.9) ▽
Jordan	34 (2.0) ▽
Malaysia	33 (1.7) ▽
Morocco	33 (1.6) ▽
Georgia	31 (2.4) ▽
Egypt	30 (2.0) ▽
Malta	29 (1.7) ▽
South Africa (9)	16 (1.7) ▽
Lebanon	13 (1.7) ▽
Botswana (9)	7 (1.0) ▽
Benchmarking Participants	
Florida, US	69 (3.3) ▲
Norway (8)	55 (2.3) ▲
Dubai, UAE	53 (1.9) ▲
Quebec, Canada	46 (2.4)
Ontario, Canada	44 (2.4)
Abu Dhabi, UAE	41 (3.2)
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

S02_01 (S062189): Benefits of recycling paper (DERIVED)
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Chinese Taipei	59 (2.2) ▲	90 (1.3) ▲
Singapore	55 (1.8) ▲	85 (1.2) ▲
Ireland	53 (2.1) ▲	84 (1.8) ▲
Hong Kong SAR	50 (2.4) ▲	82 (1.8) ▲
Japan	48 (2.1) ▲	84 (1.5) ▲
England	46 (2.2) ▲	77 (1.6) ▲
Australia	45 (1.9) ▲	79 (1.2) ▲
Turkey	44 (2.0) ▲	80 (1.6) ▲
Thailand	44 (2.1) ▲	75 (1.5) ▲
Canada	44 (1.6) ▲	82 (1.3) ▲
Norway (9)	42 (2.3) ▲	70 (2.5)
Hungary	41 (1.8) ▲	79 (2.2) ▲
United States	41 (1.7) ▲	78 (1.3) ▲
Italy	40 (2.4) ▲	83 (1.5) ▲
Korea, Rep. of	40 (1.8) ▲	82 (1.5) ▲
Sweden	40 (2.4) ▲	73 (1.8) ▲
Malaysia	38 (1.7) ▲	72 (1.3) ▲
New Zealand	38 (1.8) ▲	71 (1.8) ▲
Israel	34 (1.7)	73 (1.7) ▲
Chile	33 (1.8)	71 (2.0) ▲
International Avg.	33 (0.3)	67 (0.3)
Slovenia	33 (2.1)	76 (2.0) ▲
United Arab Emirates	32 (1.0)	67 (1.1)
Lithuania	32 (2.2)	67 (2.4)
Malta	31 (1.9)	71 (1.6) ▲
Russian Federation	30 (2.2)	71 (2.5)
Kazakhstan	27 (2.1) ▽	59 (2.7) ▽
Iran, Islamic Rep. of	27 (1.8) ▽	59 (1.9) ▽
Bahrain	26 (2.3) ▽	65 (1.9)
Qatar	26 (1.7) ▽	61 (1.8) ▽
Oman	21 (1.4) ▽	57 (1.8) ▽
Kuwait	21 (2.0) ▽	53 (2.5) ▽
Lebanon	19 (1.8) ▽	49 (2.7) ▽
Jordan	18 (1.2) ▽	47 (2.0) ▽
Botswana (9)	15 (1.1) ▽	43 (1.8) ▽
South Africa (9)	14 (1.3) ▽	41 (1.7) ▽
Morocco	13 (0.8) ▽	45 (1.2) ▽
Georgia	13 (1.8) ▽	43 (2.8) ▽
Saudi Arabia	13 (1.7) ▽	39 (2.1) ▽
Egypt	10 (1.1) ▽	44 (1.8) ▽
Benchmarking Participants		
Ontario, Canada	46 (2.1) ▲	81 (1.6) ▲
Quebec, Canada	43 (2.3) ▲	84 (2.0) ▲
Dubai, UAE	39 (1.4) ▲	78 (1.5) ▲
Florida, US	37 (2.8)	76 (2.6) ▲
Abu Dhabi, UAE	34 (2.0)	64 (2.0)
Norway (8)	31 (2.1)	59 (2.2) ▽
Buenos Aires, Argentina	30 (2.8)	63 (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

S02_01A (S062189A): Benefits of recycling paper: deforestation
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	95 (0.8) ⬤	
Hong Kong SAR	89 (1.4) ⬤	
Singapore	88 (1.1) ⬤	
Italy	86 (1.7) ⬤	
Turkey	86 (1.5) ⬤	
Hungary	85 (1.9) ⬤	
Norway (9)	84 (1.8) ⬤	
Canada	83 (1.4) ⬤	
United States	82 (1.2) ⬤	
Australia	82 (1.3) ⬤	
Ireland	82 (1.8) ⬤	
Israel	82 (1.5) ⬤	
England	81 (1.7) ⬤	
Malta	80 (1.7) ⬤	
New Zealand	79 (1.6) ⬤	
Japan	79 (1.5) ⬤	
Chile	78 (1.9) ⬤	
Thailand	78 (1.5) ⬤	
Malaysia	78 (1.5) ⬤	
Sweden	77 (2.1) ⬤	
Lithuania	74 (2.0)	
Russian Federation	74 (2.3)	
International Avg.	72 (0.3)	
Slovenia	72 (2.1)	
United Arab Emirates	72 (1.0)	
Bahrain	69 (1.9) ⬤	
Qatar	68 (1.5) ⬤	
Iran, Islamic Rep. of	67 (2.2) ⬤	
Georgia	66 (2.7) ⬤	
Kazakhstan	65 (2.8) ⬤	
Kuwait	63 (2.7) ⬤	
Oman	59 (1.8) ⬤	
Lebanon	58 (2.5) ⬤	
South Africa (9)	58 (1.6) ⬤	
Jordan	55 (2.0) ⬤	
Korea, Rep. of	55 (1.9) ⬤	
Botswana (9)	54 (2.0) ⬤	
Morocco	52 (1.3) ⬤	
Egypt	51 (1.7) ⬤	
Saudi Arabia	41 (2.6) ⬤	
Benchmarking Participants		
Quebec, Canada	85 (2.1) ⬤	
Dubai, UAE	83 (1.5) ⬤	
Ontario, Canada	83 (1.5) ⬤	
Florida, US	81 (2.6) ⬤	
Norway (8)	74 (1.8)	
Abu Dhabi, UAE	71 (1.9)	
Buenos Aires, Argentina	71 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_01B (S062189B): Benefits of recycling paper: oxygen
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	92 (0.9) ▲	
Japan	89 (1.3) ▲	
Italy	88 (1.1) ▲	
Slovenia	87 (1.6) ▲	
Chinese Taipei	87 (1.4) ▲	
Hong Kong SAR	86 (1.6) ▲	
Ireland	86 (1.6) ▲	
Korea, Rep. of	86 (1.3) ▲	
Canada	85 (1.4) ▲	
Hungary	85 (2.0) ▲	
Turkey	85 (1.5) ▲	
Chile	83 (1.9) ▲	
Australia	82 (1.4) ▲	
Israel	82 (1.4) ▲	
England	82 (1.6) ▲	
Sweden	82 (2.0) ▲	
United States	82 (1.3) ▲	
Russian Federation	79 (2.1)	
Bahrain	78 (1.9)	
United Arab Emirates	76 (1.1)	
International Avg.	75 (0.3)	
Malaysia	75 (1.2)	
Thailand	75 (1.7)	
New Zealand	75 (1.9)	
Oman	75 (1.4)	
Malta	74 (1.9)	
Lithuania	73 (2.2)	
Kazakhstan	71 (2.3) ▽	
Kuwait	70 (2.4) ▽	
Qatar	69 (1.9) ▽	
Norway (9)	68 (2.2) ▽	
Iran, Islamic Rep. of	68 (1.9) ▽	
Saudi Arabia	64 (2.1) ▽	
Botswana (9)	63 (1.8) ▽	
Jordan	63 (1.8) ▽	
Egypt	61 (1.8) ▽	
Georgia	58 (2.8) ▽	
Morocco	57 (1.4) ▽	
Lebanon	53 (2.4) ▽	
South Africa (9)	49 (1.9) ▽	
Benchmarking Participants		
Quebec, Canada	89 (1.9) ▲	
Dubai, UAE	84 (1.2) ▲	
Ontario, Canada	83 (1.7) ▲	
Florida, US	80 (2.7)	
Abu Dhabi, UAE	73 (2.1)	
Buenos Aires, Argentina	71 (2.6)	
Norway (8)	59 (2.0) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_01D (S062189D): Benefits of recycling paper: carbon dioxide
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	82 (1.5) ▲	
Chinese Taipei	75 (1.6) ▲	
Ireland	73 (2.0) ▲	
Singapore	68 (1.5) ▲	
Japan	68 (1.9) ▲	
Sweden	67 (2.2) ▲	
Hong Kong SAR	66 (2.5) ▲	
Norway (9)	66 (2.2) ▲	
Thailand	66 (1.7) ▲	
Turkey	65 (1.6) ▲	
Australia	64 (1.9) ▲	
England	64 (2.0) ▲	
Malaysia	62 (1.6) ▲	
Canada	60 (1.6) ▲	
Italy	59 (2.4) ▲	
Malta	59 (2.0) ▲	
United States	58 (1.5) ▲	
International Avg.	57 (0.3)	
Hungary	57 (1.6) ▲	
United Arab Emirates	57 (1.1) ▲	
New Zealand	56 (1.7) ▲	
Israel	55 (1.8) ▲	
Slovenia	55 (2.3) ▲	
Iran, Islamic Rep. of	54 (2.1) ▲	
Kazakhstan	53 (2.5) ▲	
Qatar	52 (2.1) ▽	
Bahrain	51 (2.2) ▽	
Oman	50 (1.8) ▽	
Russian Federation	50 (2.7) ▽	
Kuwait	50 (2.5) ▽	
South Africa (9)	50 (1.4) ▽	
Chile	50 (2.6) ▽	
Morocco	49 (1.5) ▽	
Egypt	49 (1.7) ▽	
Lithuania	49 (2.2) ▽	
Jordan	48 (1.8) ▽	
Botswana (9)	45 (1.9) ▽	
Lebanon	44 (2.6) ▽	
Saudi Arabia	41 (2.0) ▽	
Georgia	37 (2.3) ▽	
Benchmarking Participants		
Ontario, Canada	63 (2.2) ▲	
Dubai, UAE	59 (2.0) ▲	
Abu Dhabi, UAE	58 (1.8) ▲	
Florida, US	57 (3.0) ▲	
Quebec, Canada	56 (2.3) ▲	
Norway (8)	56 (2.6) ▲	
Buenos Aires, Argentina	42 (2.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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_01E (S062189E): Benefits of recycling paper: garbage
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	90 (1.2) ▲	
Canada	89 (1.0) ▲	
United States	89 (0.9) ▲	
Japan	88 (1.2) ▲	
Thailand	88 (1.4) ▲	
Slovenia	88 (1.6) ▲	
Ireland	87 (1.6) ▲	
England	87 (1.5) ▲	
Singapore	87 (1.2) ▲	
Chinese Taipei	86 (1.3) ▲	
Australia	85 (1.1) ▲	
Hungary	84 (1.4) ▲	
Italy	83 (1.6) ▲	
New Zealand	83 (1.7) ▲	
Chile	82 (1.7) ▲	
Hong Kong SAR	81 (1.5) ▲	
Malaysia	81 (1.4) ▲	
Turkey	81 (1.6) ▲	
Russian Federation	80 (1.7) ▲	
Norway (9)	79 (1.7)	
International Avg.	77 (0.3)	
United Arab Emirates	76 (0.9)	
Saudi Arabia	75 (2.3)	
Lithuania	75 (2.1)	
Bahrain	74 (1.9)	
Israel	73 (1.6) ▽	
Kazakhstan	73 (2.3)	
Sweden	73 (2.1) ▽	
Jordan	72 (1.8) ▽	
Iran, Islamic Rep. of	72 (1.7) ▽	
Malta	71 (1.8) ▽	
Oman	69 (1.5) ▽	
Kuwait	69 (2.2) ▽	
Qatar	68 (1.8) ▽	
Lebanon	66 (2.8) ▽	
Botswana (9)	62 (1.9) ▽	
Morocco	61 (1.4) ▽	
South Africa (9)	57 (1.8) ▽	
Egypt	55 (1.8) ▽	
Georgia	52 (2.7) ▽	
Benchmarking Participants		
Quebec, Canada	89 (1.4) ▲	
Ontario, Canada	88 (1.3) ▲	
Florida, US	83 (2.3) ▲	
Dubai, UAE	80 (1.5) ▲	
Abu Dhabi, UAE	74 (1.8)	
Norway (8)	74 (1.9)	
Buenos Aires, Argentina	71 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_02 (S062094): Classify animal with these features
 Multiple Choice (Key is B)

Country	Percent Correct
Slovenia	81 (1.8)
Japan	79 (1.7)
Hungary	76 (2.0)
Singapore	75 (1.4)
Russian Federation	67 (2.6)
Lithuania	66 (2.1)
United States	65 (1.5)
Chinese Taipei	65 (1.8)
Hong Kong SAR	65 (1.6)
Italy	64 (2.1)
Australia	62 (1.8)
Israel	61 (2.2)
Iran, Islamic Rep. of	60 (2.0)
Malaysia	57 (1.9)
New Zealand	57 (2.1)
United Arab Emirates	54 (1.6)
Thailand	54 (2.7)
Canada	54 (2.2)
Bahrain	53 (2.7)
England	52 (2.2)
International Avg.	50 (0.3)
Kazakhstan	49 (3.0)
Chile	49 (2.1)
Oman	48 (1.6)
Ireland	48 (2.3)
Norway (9)	44 (2.4)
Qatar	44 (1.7)
Kuwait	42 (2.5)
Jordan	39 (2.1)
Malta	39 (2.2)
Saudi Arabia	38 (2.2)
Georgia	38 (2.2)
Sweden	35 (2.0)
Morocco	32 (1.3)
Egypt	29 (1.8)
Korea, Rep. of	27 (2.0)
Turkey	26 (1.7)
Lebanon	21 (2.0)
Botswana (9)	20 (1.3)
South Africa (9)	20 (1.4)
Benchmarking Participants	
Florida, US	64 (2.3)
Dubai, UAE	61 (2.4)
Ontario, Canada	58 (2.7)
Quebec, Canada	49 (3.9)
Abu Dhabi, UAE	49 (3.0)
Buenos Aires, Argentina	45 (2.8)
Norway (8)	38 (2.4)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S02_03 (S062118): Mice living on beach advantage
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
England	82 (1.7)	
United States	82 (1.0)	
Norway (9)	80 (2.0)	
Japan	80 (1.6)	
Russian Federation	79 (2.0)	
Hungary	77 (2.2)	
Ireland	77 (2.0)	
Canada	76 (1.6)	
Sweden	76 (2.0)	
Turkey	73 (1.9)	
Chinese Taipei	73 (1.8)	
New Zealand	73 (1.6)	
Lithuania	72 (2.0)	
Australia	71 (1.5)	
Slovenia	69 (2.0)	
Chile	67 (2.0)	
Singapore	63 (1.8)	
Italy	60 (2.6)	
Korea, Rep. of	56 (2.1)	
Malta	56 (2.1)	
Hong Kong SAR	55 (2.4)	
Kazakhstan	53 (2.8)	
International Avg.	51 (0.3)	
Israel	51 (2.0)	
Bahrain	43 (2.2)	
Oman	43 (1.5)	
United Arab Emirates	40 (1.6)	
Georgia	38 (2.4)	
Thailand	36 (2.3)	
Qatar	31 (1.5)	
Iran, Islamic Rep. of	30 (2.0)	
Kuwait	27 (2.3)	
Malaysia	17 (1.3)	
Saudi Arabia	16 (1.8)	
Morocco	15 (1.4)	
Jordan	14 (1.2)	
Egypt	13 (1.4)	
South Africa (9)	13 (1.7)	
Botswana (9)	12 (1.1)	
Lebanon	8 (1.3)	
Benchmarking Participants		
Norway (8)	79 (1.7)	
Ontario, Canada	77 (2.0)	
Florida, US	72 (2.2)	
Quebec, Canada	71 (2.9)	
Dubai, UAE	54 (2.0)	
Buenos Aires, Argentina	49 (2.6)	
Abu Dhabi, UAE	39 (3.5)	

Percent significantly higher than international average

Percent significantly lower 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_04A (S062103A): Photosynthesis and sunlight
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	78 (1.7) ⬤	
Japan	74 (1.4) ⬤	
Korea, Rep. of	70 (2.0) ⬤	
Hong Kong SAR	69 (2.1) ⬤	
Chinese Taipei	64 (1.7) ⬤	
Slovenia	63 (2.3) ⬤	
Hungary	62 (2.2) ⬤	
Lithuania	59 (2.6) ⬤	
Russian Federation	58 (2.4) ⬤	
Sweden	57 (2.3) ⬤	
England	56 (2.0) ⬤	
Ireland	55 (2.0)	
Turkey	54 (2.1)	
United Arab Emirates	54 (1.5)	
Canada	53 (1.7)	
United States	53 (1.9)	
Kazakhstan	52 (3.0)	
Malaysia	52 (1.7)	
International Avg.	51 (0.3)	
New Zealand	51 (2.1)	
Norway (9)	51 (2.3)	
Israel	51 (2.4)	
Qatar	50 (2.6)	
Bahrain	50 (2.4)	
Australia	49 (1.8)	
Oman	49 (1.6)	
Italy	49 (2.3)	
Georgia	47 (2.4)	
Iran, Islamic Rep. of	44 (1.8) ⬤	
Saudi Arabia	43 (2.3) ⬤	
Thailand	42 (2.0) ⬤	
Malta	42 (2.1) ⬤	
Jordan	42 (2.2) ⬤	
Egypt	42 (2.0) ⬤	
Kuwait	41 (2.1) ⬤	
Botswana (9)	41 (1.8) ⬤	
Chile	38 (2.0) ⬤	
Morocco	35 (1.4) ⬤	
Lebanon	34 (2.4) ⬤	
South Africa (9)	29 (1.5) ⬤	
Benchmarking Participants		
Dubai, UAE	59 (2.1) ⬤	
Ontario, Canada	54 (2.2)	
Florida, US	52 (3.0)	
Abu Dhabi, UAE	52 (2.6)	
Quebec, Canada	51 (2.8)	
Norway (8)	41 (2.3) ⬤	
Buenos Aires, Argentina	23 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_04B (S062103B): Photosynthesis factors
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	44 (1.9) ▲	79 (1.6) ▲
England	38 (1.9) ▲	69 (2.0) ▲
Korea, Rep. of	25 (1.7) ▲	61 (2.2) ▲
Slovenia	24 (1.7) ▲	46 (2.1) ▲
Kazakhstan	22 (2.5) ▲	49 (2.9) ▲
Hong Kong SAR	18 (1.7) ▲	52 (2.5) ▲
Bahrain	18 (1.7) ▲	54 (1.9) ▲
Kuwait	18 (2.2) ▲	42 (2.7)
Israel	18 (1.5) ▲	49 (2.4) ▲
Japan	18 (1.5) ▲	57 (2.0) ▲
United Arab Emirates	17 (1.0) ▲	47 (1.7) ▲
Saudi Arabia	16 (1.9)	36 (2.5)
Russian Federation	16 (1.7)	43 (2.1) ▲
Chinese Taipei	15 (1.2) ▲	44 (1.8) ▲
Ireland	14 (1.5)	43 (2.4) ▲
Norway (9)	14 (1.5)	41 (2.4)
New Zealand	14 (1.3)	42 (2.1) ▲
Australia	13 (1.2)	40 (1.8)
International Avg.	13 (0.2)	38 (0.3)
Canada	12 (1.3)	45 (2.0) ▲
Hungary	12 (1.2)	33 (2.0) ▽
United States	12 (1.0)	50 (1.7) ▲
Sweden	11 (1.6)	37 (3.2)
Turkey	11 (1.3)	36 (2.1)
Jordan	11 (1.3)	37 (2.1)
Oman	11 (1.0)	44 (1.6) ▲
Malta	11 (1.3)	29 (1.7) ▽
Qatar	10 (1.1) ▽	41 (1.9)
Botswana (9)	7 (1.0) ▽	21 (1.6) ▽
Lithuania	6 (1.3) ▽	19 (2.1) ▽
Italy	5 (1.0) ▽	27 (2.0) ▽
South Africa (9)	5 (0.8) ▽	16 (1.2) ▽
Iran, Islamic Rep. of	4 (1.0) ▽	30 (2.6) ▽
Georgia	4 (1.0) ▽	13 (1.7) ▽
Chile	4 (0.6) ▽	15 (1.4) ▽
Morocco	3 (0.5) ▽	22 (1.4) ▽
Thailand	3 (0.8) ▽	13 (1.7) ▽
Malaysia	3 (0.4) ▽	23 (1.6) ▽
Lebanon	2 (0.7) ▽	8 (1.3) ▽
Egypt	1 (0.5) ▽	12 (1.6) ▽
Benchmarking Participants		
Dubai, UAE	26 (2.1) ▲	57 (2.3) ▲
Ontario, Canada	13 (1.6)	46 (2.8) ▲
Abu Dhabi, UAE	13 (1.6)	45 (2.9) ▲
Norway (8)	11 (1.5)	29 (2.0) ▽
Florida, US	10 (2.0)	38 (3.1)
Quebec, Canada	10 (1.6) ▽	41 (3.5)
Buenos Aires, Argentina	4 (1.1) ▽	13 (1.8) ▽

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

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S02_05 (S062010): Physical or chemical property (DERIVED)
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	78 (1.7) ⬤	
Kazakhstan	73 (2.0) ⬤	
Georgia	54 (3.0) ⬤	
Singapore	52 (1.6) ⬤	
Lithuania	51 (2.2) ⬤	
Hungary	49 (2.2) ⬤	
England	46 (2.4) ⬤	
Japan	45 (1.8) ⬤	
Slovenia	41 (2.2) ⬤	
Ireland	41 (2.3) ⬤	
Korea, Rep. of	39 (2.1)	
United States	39 (1.7)	
Hong Kong SAR	36 (2.1)	
International Avg.	36 (0.3)	
Sweden	35 (2.2)	
Australia	35 (1.6)	
United Arab Emirates	35 (1.6)	
Canada	33 (1.5)	
Italy	32 (2.1)	
New Zealand	32 (1.9)	
Chinese Taipei	32 (1.5) ⬤	
Botswana (9)	32 (2.1)	
Lebanon	31 (2.7)	
Qatar	31 (1.6) ⬤	
Israel	30 (1.8) ⬤	
Bahrain	29 (1.7) ⬤	
Oman	29 (1.3) ⬤	
Turkey	28 (1.8) ⬤	
Thailand	28 (1.9) ⬤	
Jordan	28 (1.6) ⬤	
Malta	28 (2.1) ⬤	
Malaysia	27 (1.4) ⬤	
Morocco	27 (1.4) ⬤	
Norway (9)	27 (1.8) ⬤	
Egypt	26 (1.8) ⬤	
Kuwait	24 (1.8) ⬤	
Saudi Arabia	22 (1.7) ⬤	
South Africa (9)	21 (1.6) ⬤	
Chile	21 (1.8) ⬤	
Iran, Islamic Rep. of	20 (1.5) ⬤	
Benchmarking Participants		
Dubai, UAE	47 (3.0) ⬤	
Florida, US	40 (3.2)	
Quebec, Canada	34 (2.1)	
Ontario, Canada	33 (2.0)	
Abu Dhabi, UAE	30 (3.2)	
Norway (8)	24 (1.9) ⬤	
Buenos Aires, Argentina	19 (2.0) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_05A (S062010A): Physical or chemical property: reactivity
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	89 (1.3) ⬤	
Hungary	87 (1.5) ⬤	
Russian Federation	86 (1.5) ⬤	
Lithuania	84 (1.6) ⬤	
Slovenia	78 (1.7) ⬤	
England	74 (2.0) ⬤	
Japan	72 (1.8) ⬤	
Singapore	72 (1.7) ⬤	
Georgia	71 (2.6) ⬤	
Norway (9)	68 (2.4) ⬤	
United States	65 (1.4) ⬤	
Ireland	65 (2.2) ⬤	
Sweden	64 (1.9) ⬤	
Australia	61 (1.7)	
Israel	60 (1.8)	
United Arab Emirates	60 (1.3)	
International Avg.	60 (0.3)	
Turkey	59 (1.7)	
Hong Kong SAR	59 (2.3)	
Lebanon	57 (2.6)	
New Zealand	57 (2.0)	
Oman	54 (1.8) ⬤	
Malta	54 (2.4) ⬤	
Jordan	54 (1.8) ⬤	
Canada	53 (1.7) ⬤	
Chile	53 (2.4) ⬤	
Korea, Rep. of	53 (2.1) ⬤	
Egypt	52 (1.9) ⬤	
Italy	52 (2.6) ⬤	
Qatar	52 (1.9) ⬤	
Kuwait	52 (2.4) ⬤	
Saudi Arabia	51 (2.4) ⬤	
Bahrain	51 (2.3) ⬤	
Chinese Taipei	49 (1.9) ⬤	
Morocco	49 (1.5) ⬤	
Botswana (9)	47 (2.2) ⬤	
Thailand	47 (2.1) ⬤	
South Africa (9)	45 (1.5) ⬤	
Malaysia	41 (1.8) ⬤	
Iran, Islamic Rep. of	33 (1.6) ⬤	
Benchmarking Participants		
Dubai, UAE	72 (1.3) ⬤	
Norway (8)	63 (1.9)	
Florida, US	62 (3.9)	
Quebec, Canada	58 (2.7)	
Abu Dhabi, UAE	55 (2.6) ⬤	
Ontario, Canada	52 (2.3) ⬤	
Buenos Aires, Argentina	43 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_05B (S062010B): Physical or chemical property: boiling pt
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	89 (1.1) ⬤	
Kazakhstan	88 (1.3) ⬤	
Chinese Taipei	80 (1.6) ⬤	
Singapore	73 (1.4) ⬤	
Georgia	72 (2.7) ⬤	
Malaysia	72 (1.5) ⬤	
Hungary	69 (2.1) ⬤	
Lithuania	66 (2.2) ⬤	
Korea, Rep. of	65 (2.0) ⬤	
England	65 (2.2) ⬤	
Slovenia	65 (2.3) ⬤	
United Arab Emirates	64 (1.6) ⬤	
Japan	63 (1.9) ⬤	
New Zealand	62 (1.9) ⬤	
Ireland	62 (2.2) ⬤	
Oman	62 (1.6) ⬤	
International Avg.	62 (0.3) ⬤	
Hong Kong SAR	61 (2.1) ⬤	
Australia	61 (1.3) ⬤	
Turkey	61 (1.9) ⬤	
Bahrain	60 (1.7) ⬤	
Botswana (9)	59 (1.9) ⬤	
Israel	59 (1.8) ⬤	
United States	59 (1.4) ⬤	
Jordan	59 (2.0) ⬤	
Canada	58 (1.6) ⬤	
Thailand	57 (2.0) ⬤	
Kuwait	57 (2.2) ⬤	
Morocco	56 (1.3) ⬤	
Qatar	56 (1.9) ⬤	
Sweden	56 (2.4) ⬤	
Norway (9)	55 (2.3) ⬤	
South Africa (9)	55 (1.6) ⬤	
Malta	55 (1.9) ⬤	
Egypt	55 (1.8) ⬤	
Italy	52 (2.8) ⬤	
Saudi Arabia	51 (2.4) ⬤	
Iran, Islamic Rep. of	50 (2.0) ⬤	
Lebanon	48 (2.9) ⬤	
Chile	46 (2.2) ⬤	
Benchmarking Participants		
Dubai, UAE	73 (2.0) ⬤	
Quebec, Canada	62 (2.1) ⬤	
Florida, US	61 (3.8) ⬤	
Abu Dhabi, UAE	57 (3.0) ⬤	
Ontario, Canada	57 (2.0) ⬤	
Norway (8)	53 (2.3) ⬤	
Buenos Aires, Argentina	37 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_05C (S062010C): Physical or chemical property: acidity
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	95 (0.9) ▲	
Singapore	90 (1.2) ▲	
Kazakhstan	89 (1.5) ▲	
Lithuania	87 (1.8) ▲	
Hungary	87 (1.6) ▲	
Ireland	85 (1.5) ▲	
Canada	85 (1.1) ▲	
Hong Kong SAR	84 (1.5) ▲	
Korea, Rep. of	84 (1.6) ▲	
Iran, Islamic Rep. of	84 (1.5) ▲	
United States	84 (1.1) ▲	
England	83 (1.6) ▲	
Botswana (9)	82 (1.4) ▲	
Georgia	82 (2.0) ▲	
Malaysia	81 (1.5) ▲	
Thailand	81 (1.5) ▲	
Australia	81 (1.6) ▲	
New Zealand	80 (1.6) ▲	
Chinese Taipei	79 (1.4)	
Turkey	78 (1.5)	
Italy	78 (1.8)	
International Avg.	77 (0.3)	
Sweden	75 (2.0)	
Japan	75 (1.8)	
Malta	75 (1.6)	
South Africa (9)	74 (1.5)	
Slovenia	74 (1.8)	
Lebanon	73 (2.5)	
Qatar	72 (1.6) ▽	
United Arab Emirates	71 (1.2) ▽	
Bahrain	71 (2.0) ▽	
Morocco	70 (1.3) ▽	
Israel	69 (1.8) ▽	
Chile	67 (2.0) ▽	
Oman	66 (1.5) ▽	
Kuwait	65 (2.4) ▽	
Jordan	63 (1.8) ▽	
Norway (9)	59 (2.4) ▽	
Egypt	55 (1.8) ▽	
Saudi Arabia	54 (2.2) ▽	
Benchmarking Participants		
Ontario, Canada	85 (1.5) ▲	
Quebec, Canada	84 (1.9) ▲	
Florida, US	82 (2.0) ▲	
Dubai, UAE	80 (1.7)	
Abu Dhabi, UAE	65 (2.2) ▽	
Norway (8)	57 (2.3) ▽	
Buenos Aires, Argentina	56 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_05D (S062010D): Physical or chemical property: density
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	91 (1.3) ⬤	
Kazakhstan	88 (1.4) ⬤	
Singapore	87 (1.2) ⬤	
Lithuania	84 (1.5) ⬤	
Ireland	83 (1.5) ⬤	
United States	83 (1.1) ⬤	
Japan	82 (1.8) ⬤	
England	79 (1.7) ⬤	
Georgia	79 (2.4) ⬤	
Canada	78 (1.4) ⬤	
Italy	78 (2.1) ⬤	
Slovenia	78 (1.9) ⬤	
Hong Kong SAR	77 (1.9) ⬤	
Thailand	76 (1.5) ⬤	
Iran, Islamic Rep. of	76 (1.6) ⬤	
Australia	76 (1.4) ⬤	
Hungary	75 (1.8)	
Chinese Taipei	74 (1.7)	
Lebanon	73 (2.3)	
Sweden	73 (2.6)	
International Avg.	72 (0.3)	
Israel	72 (1.9)	
Korea, Rep. of	71 (1.8)	
United Arab Emirates	70 (1.3)	
Malta	70 (2.1)	
Botswana (9)	68 (1.7) ⬤	
Morocco	68 (1.3) ⬤	
Chile	67 (2.1) ⬤	
New Zealand	67 (1.8) ⬤	
Norway (9)	67 (1.9) ⬤	
Malaysia	66 (1.6) ⬤	
Bahrain	65 (1.8) ⬤	
Qatar	65 (2.1) ⬤	
Jordan	65 (1.7) ⬤	
Kuwait	63 (2.0) ⬤	
Oman	62 (1.8) ⬤	
Turkey	61 (1.7) ⬤	
South Africa (9)	59 (1.9) ⬤	
Saudi Arabia	57 (2.3) ⬤	
Egypt	55 (1.6) ⬤	
Benchmarking Participants		
Florida, US	82 (1.8) ⬤	
Dubai, UAE	79 (2.0) ⬤	
Ontario, Canada	79 (1.5) ⬤	
Quebec, Canada	75 (2.7)	
Abu Dhabi, UAE	66 (2.3) ⬤	
Norway (8)	64 (2.0) ⬤	
Buenos Aires, Argentina	55 (2.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_06 (S062253): Chemical reaction definition
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	60 (2.1)	
England	59 (2.3)	
Singapore	53 (1.8)	
Israel	50 (2.0)	
Canada	50 (1.6)	
New Zealand	50 (1.9)	
United States	49 (1.6)	
Australia	49 (1.6)	
Sweden	47 (2.6)	
Turkey	46 (2.0)	
Korea, Rep. of	45 (2.2)	
Kazakhstan	45 (2.7)	
Ireland	43 (1.9)	
Hungary	43 (2.4)	
Malta	41 (2.1)	
Italy	40 (2.1)	
Slovenia	40 (2.4)	
Hong Kong SAR	38 (2.3)	
Bahrain	37 (2.0)	
International Avg.	37 (0.3)	
Chinese Taipei	37 (1.9)	
United Arab Emirates	36 (1.3)	
Russian Federation	35 (2.6)	
Iran, Islamic Rep. of	33 (2.0)	
Kuwait	33 (2.6)	
Norway (9)	32 (2.3)	
Chile	32 (1.8)	
Qatar	30 (1.5)	
Saudi Arabia	29 (2.0)	
Egypt	28 (2.1)	
Oman	27 (1.5)	
Malaysia	26 (1.3)	
Lebanon	25 (2.6)	
Thailand	24 (1.9)	
South Africa (9)	24 (1.8)	
Lithuania	24 (2.5)	
Morocco	23 (1.2)	
Botswana (9)	22 (1.6)	
Jordan	18 (1.4)	
Georgia	13 (1.8)	
Benchmarking Participants		
Quebec, Canada	56 (2.9)	
Florida, US	48 (4.4)	
Ontario, Canada	47 (2.2)	
Dubai, UAE	45 (2.4)	
Norway (8)	31 (2.3)	
Abu Dhabi, UAE	30 (1.8)	
Buenos Aires, Argentina	27 (2.7)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_07 (S062051): Color of solution with pH indicator
 Constructed Response (1 Point)

Country	Percent Correct	
Chinese Taipei	71 (1.6)	
Hong Kong SAR	70 (2.4)	
Ireland	48 (2.2)	
Korea, Rep. of	44 (2.2)	
Singapore	42 (1.6)	
Russian Federation	41 (2.5)	
Turkey	38 (2.1)	
England	38 (2.1)	
Canada	37 (1.6)	
Lithuania	37 (2.3)	
United Arab Emirates	35 (1.4)	
Italy	34 (2.2)	
Kazakhstan	34 (2.6)	
Malaysia	33 (1.9)	
Israel	33 (1.8)	
Oman	33 (1.6)	
Bahrain	32 (2.8)	
Japan	32 (1.9)	
Slovenia	31 (2.1)	
Hungary	30 (1.9)	
International Avg.	30 (0.3)	
Sweden	29 (2.9)	
Qatar	29 (1.9)	
United States	28 (1.4)	
Lebanon	27 (2.5)	
Australia	26 (1.3)	
Norway (9)	26 (2.1)	
Malta	26 (1.9)	
Iran, Islamic Rep. of	25 (2.3)	
New Zealand	24 (1.6)	
Chile	22 (1.6)	
Thailand	17 (1.7)	
Botswana (9)	15 (1.3)	
Jordan	15 (1.3)	
Kuwait	15 (1.9)	
Georgia	13 (1.9)	
Egypt	9 (1.3)	
South Africa (9)	9 (1.3)	
Morocco	8 (0.8)	
Saudi Arabia	5 (1.1)	
Benchmarking Participants		
Quebec, Canada	51 (2.4)	
Dubai, UAE	44 (2.1)	
Abu Dhabi, UAE	34 (2.9)	
Florida, US	30 (3.4)	
Ontario, Canada	29 (1.9)	
Norway (8)	21 (1.7)	
Buenos Aires, Argentina	10 (1.4)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_08 (S062044): Metal rods in basin of water
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	50 (1.7)	
Singapore	46 (2.1)	
Korea, Rep. of	44 (2.1)	
Russian Federation	42 (2.4)	
Turkey	38 (2.1)	
Kazakhstan	38 (2.4)	
Japan	36 (1.8)	
Hungary	34 (1.9)	
Lithuania	32 (2.6)	
Iran, Islamic Rep. of	31 (2.0)	
Slovenia	28 (2.1)	
Hong Kong SAR	27 (1.9)	
Oman	27 (1.6)	
United States	26 (1.5)	
Italy	26 (1.9)	
International Avg.	26 (0.3)	
Israel	25 (1.6)	
Canada	25 (1.7)	
Bahrain	24 (1.7)	
Norway (9)	23 (1.7)	
Sweden	23 (2.0)	
Australia	23 (1.4)	
United Arab Emirates	23 (1.1)	
Ireland	22 (1.3)	
New Zealand	22 (1.4)	
Thailand	21 (1.4)	
Chile	21 (1.8)	
Botswana (9)	20 (1.6)	
Qatar	20 (1.6)	
England	19 (1.7)	
Egypt	19 (1.3)	
Malaysia	18 (1.2)	
Georgia	18 (2.1)	
Saudi Arabia	17 (2.0)	
Lebanon	17 (1.9)	
Malta	16 (1.5)	
Jordan	16 (1.5)	
Morocco	16 (1.1)	
South Africa (9)	15 (0.9)	
Kuwait	11 (1.4)	
Benchmarking Participants		
Florida, US	34 (3.1)	
Dubai, UAE	28 (2.8)	
Quebec, Canada	27 (2.8)	
Ontario, Canada	24 (2.1)	
Abu Dhabi, UAE	20 (1.7)	
Norway (8)	17 (1.5)	
Buenos Aires, Argentina	11 (1.5)	

Percent significantly higher than international average

Percent significantly lower 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 (S062046): Two magnets pick up paper clips
Constructed Response (1 Point)

Country	Percent Correct
Singapore	85 (1.2)
Chinese Taipei	75 (1.6)
Slovenia	74 (2.0)
Hong Kong SAR	71 (2.4)
Australia	66 (1.8)
Norway (9)	65 (2.2)
New Zealand	65 (1.6)
England	65 (2.4)
Ireland	62 (2.2)
Canada	60 (1.9)
United States	58 (1.7)
Lithuania	58 (2.0)
Italy	57 (1.8)
Korea, Rep. of	56 (1.9)
Malta	55 (1.9)
Sweden	53 (2.8)
Japan	50 (1.9)
Hungary	50 (2.5)
Russian Federation	49 (2.8)
Israel	49 (1.8)
Iran, Islamic Rep. of	48 (1.8)
International Avg.	47 (0.3)
Kazakhstan	46 (2.9)
United Arab Emirates	46 (1.2)
Turkey	44 (2.3)
Bahrain	43 (1.7)
Oman	42 (1.5)
Thailand	40 (2.1)
Malaysia	39 (1.8)
Qatar	36 (1.8)
Chile	35 (2.1)
Botswana (9)	26 (1.6)
Lebanon	26 (2.4)
South Africa (9)	26 (1.5)
Jordan	25 (1.6)
Kuwait	25 (2.5)
Saudi Arabia	22 (1.8)
Georgia	19 (2.0)
Morocco	14 (1.2)
Egypt	12 (1.1)
Benchmarking Participants	
Norway (8)	64 (2.3)
Quebec, Canada	63 (3.5)
Dubai, UAE	61 (1.9)
Ontario, Canada	58 (2.6)
Florida, US	53 (3.6)
Abu Dhabi, UAE	40 (2.2)
Buenos Aires, Argentina	38 (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

S02_10 (S062149): Mirrors around a corner
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	55 (1.7)	
Kazakhstan	54 (2.6)	
Slovenia	54 (2.1)	
Canada	52 (1.8)	
Turkey	50 (2.2)	
Norway (9)	46 (2.1)	
Sweden	45 (2.9)	
England	45 (2.3)	
New Zealand	45 (1.8)	
Thailand	44 (2.1)	
Japan	42 (2.0)	
United States	42 (1.5)	
Bahrain	40 (2.2)	
Israel	39 (1.5)	
Malaysia	39 (2.0)	
Korea, Rep. of	38 (2.0)	
South Africa (9)	37 (1.8)	
Georgia	37 (2.9)	
International Avg.	37 (0.3)	
Saudi Arabia	36 (2.5)	
Malta	36 (2.0)	
Hong Kong SAR	36 (2.5)	
Oman	36 (1.6)	
Australia	34 (1.8)	
United Arab Emirates	33 (1.3)	
Morocco	32 (1.2)	
Iran, Islamic Rep. of	32 (2.1)	
Chinese Taipei	31 (1.7)	
Russian Federation	31 (2.5)	
Kuwait	31 (2.7)	
Chile	31 (2.1)	
Ireland	31 (2.0)	
Qatar	29 (1.8)	
Lebanon	28 (2.4)	
Botswana (9)	26 (1.8)	
Italy	26 (2.1)	
Jordan	25 (1.5)	
Hungary	24 (2.1)	
Lithuania	22 (2.0)	
Egypt	14 (1.2)	
Benchmarking Participants		
Ontario, Canada	54 (2.2)	
Quebec, Canada	49 (2.7)	
Norway (8)	42 (2.1)	
Dubai, UAE	40 (1.9)	
Florida, US	36 (3.0)	
Abu Dhabi, UAE	35 (2.0)	
Buenos Aires, Argentina	24 (1.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_11 (S062268): Toy car's distance over time
 Multiple Choice (Key is A)

Country	Percent Correct
Singapore	87 (1.1)
Chinese Taipei	86 (1.0)
Lithuania	86 (1.6)
Slovenia	86 (1.6)
England	85 (1.7)
Kazakhstan	85 (1.9)
Hong Kong SAR	85 (1.4)
United States	84 (1.2)
Canada	83 (1.5)
Japan	81 (1.8)
Hungary	81 (2.2)
Russian Federation	80 (2.3)
Sweden	80 (2.5)
Ireland	80 (1.9)
Korea, Rep. of	79 (1.8)
Italy	79 (1.8)
Australia	79 (1.5)
New Zealand	78 (1.6)
Norway (9)	77 (1.9)
United Arab Emirates	75 (1.0)
Israel	74 (1.7)
International Avg.	72 (0.3)
Malta	72 (1.7)
Turkey	70 (2.0)
Bahrain	69 (2.0)
Botswana (9)	68 (1.7)
Malaysia	67 (1.4)
Qatar	67 (1.8)
Thailand	65 (2.0)
Iran, Islamic Rep. of	62 (1.9)
Jordan	61 (1.6)
Oman	60 (1.8)
Georgia	59 (2.9)
Kuwait	57 (2.4)
Chile	56 (2.2)
Saudi Arabia	55 (2.3)
Morocco	52 (1.4)
South Africa (9)	52 (1.7)
Egypt	47 (1.7)
Lebanon	45 (2.2)
Benchmarking Participants	
Quebec, Canada	91 (2.0)
Dubai, UAE	83 (1.2)
Ontario, Canada	80 (2.0)
Florida, US	79 (2.4)
Norway (8)	75 (1.8)
Abu Dhabi, UAE	73 (1.8)
Buenos Aires, Argentina	36 (2.3)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S02_12 (S062170): Earth's continents are moving
 Multiple Choice (Key is D)

Country	Percent Correct	
Chinese Taipei	84 (1.4)	
Italy	81 (1.6)	
Slovenia	78 (2.0)	
Kazakhstan	78 (2.0)	
Morocco	77 (1.1)	
Hong Kong SAR	76 (2.0)	
Russian Federation	75 (2.1)	
Japan	74 (1.6)	
Lithuania	74 (2.1)	
Ireland	73 (2.2)	
Thailand	72 (1.8)	
Israel	69 (2.0)	
Singapore	69 (1.8)	
Canada	68 (1.6)	
Korea, Rep. of	68 (1.7)	
Norway (9)	68 (2.0)	
United States	68 (1.3)	
Malta	67 (1.9)	
United Arab Emirates	67 (1.2)	
England	67 (2.1)	
Hungary	66 (1.9)	
Australia	65 (2.0)	
Sweden	64 (2.1)	
International Avg.	64 (0.3)	
Oman	64 (1.8)	
Iran, Islamic Rep. of	62 (2.1)	
New Zealand	62 (2.2)	
Jordan	60 (1.9)	
Bahrain	60 (2.2)	
Georgia	59 (3.1)	
Chile	57 (2.2)	
Botswana (9)	57 (1.7)	
South Africa (9)	53 (1.6)	
Qatar	52 (1.6)	
Kuwait	51 (2.7)	
Egypt	50 (1.9)	
Saudi Arabia	48 (2.4)	
Turkey	40 (2.1)	
Malaysia	37 (1.8)	
Lebanon	37 (2.1)	
Benchmarking Participants		
Quebec, Canada	82 (2.1)	
Dubai, UAE	73 (2.2)	
Norway (8)	68 (2.2)	
Abu Dhabi, UAE	64 (2.1)	
Florida, US	62 (3.2)	
Ontario, Canada	61 (2.1)	
Buenos Aires, Argentina	56 (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_13 (S062234): Reduce air pollution of cars
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Slovenia	41 (2.3) ▲	86 (1.8) ▲
Canada	33 (1.8) ▲	80 (1.5) ▲
Japan	29 (1.7) ▲	88 (1.5) ▲
United States	27 (1.2) ▲	77 (1.4) ▲
Singapore	26 (1.8) ▲	74 (1.8) ▲
Kazakhstan	25 (2.2) ▲	64 (2.8) ▲
Turkey	25 (1.7) ▲	67 (2.2) ▲
Sweden	24 (2.4) ▲	76 (2.6) ▲
England	23 (2.0) ▲	75 (2.1) ▲
Lithuania	22 (1.9) ▲	68 (2.5) ▲
Israel	22 (1.5) ▲	60 (1.9)
New Zealand	22 (1.8) ▲	62 (2.2) ▲
Hungary	21 (1.9) ▲	65 (2.7) ▲
Georgia	21 (2.7)	52 (2.8)
Russian Federation	20 (1.9)	62 (2.7) ▲
Ireland	19 (1.7)	80 (1.6) ▲
Australia	19 (1.5)	71 (1.6) ▲
Korea, Rep. of	17 (1.8)	80 (1.6) ▲
Malta	17 (1.7)	56 (1.9)
International Avg.	17 (0.3)	56 (0.3)
United Arab Emirates	15 (1.1)	54 (1.3)
Chinese Taipei	14 (1.4)	67 (2.0) ▲
Bahrain	14 (1.6)	55 (2.2)
Norway (9)	14 (1.6)	71 (2.4) ▲
Lebanon	13 (1.7)	33 (2.7) ▽
Iran, Islamic Rep. of	13 (1.3) ▽	50 (2.0) ▽
Hong Kong SAR	12 (1.6) ▽	65 (2.2) ▲
Italy	12 (1.2) ▽	76 (1.8) ▲
Qatar	12 (1.0) ▽	41 (1.8) ▽
Kuwait	11 (1.7) ▽	30 (2.1) ▽
Malaysia	11 (1.0) ▽	50 (2.3) ▽
Oman	8 (1.0) ▽	45 (1.6) ▽
Chile	8 (1.2) ▽	51 (2.1) ▽
Jordan	7 (1.1) ▽	36 (1.8) ▽
Thailand	6 (0.9) ▽	34 (2.3) ▽
Morocco	5 (0.6) ▽	19 (1.5) ▽
South Africa (9)	4 (0.8) ▽	16 (2.0) ▽
Saudi Arabia	4 (0.8) ▽	25 (2.1) ▽
Egypt	4 (0.7) ▽	20 (1.6) ▽
Botswana (9)	2 (0.6) ▽	12 (1.2) ▽
Benchmarking Participants		
Ontario, Canada	34 (2.1) ▲	80 (1.6) ▲
Quebec, Canada	29 (3.1) ▲	80 (3.2) ▲
Dubai, UAE	18 (2.2)	65 (2.7) ▲
Florida, US	17 (1.9)	67 (3.4) ▲
Abu Dhabi, UAE	13 (1.8)	49 (2.7) ▽
Norway (8)	12 (1.4) ▽	65 (2.2) ▲
Buenos Aires, Argentina	4 (1.0) ▽	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

S02_14 (S062271): Solar system changing seasons
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	70 (2.6) ⬤	
Slovenia	66 (2.3) ⬤	
Korea, Rep. of	63 (1.9) ⬤	
Bahrain	62 (2.1) ⬤	
Italy	62 (2.5) ⬤	
United States	57 (1.6) ⬤	
Hungary	56 (2.5) ⬤	
Hong Kong SAR	56 (2.5) ⬤	
Malaysia	55 (2.3) ⬤	
Japan	54 (2.3) ⬤	
Russian Federation	53 (2.3) ⬤	
Lithuania	52 (2.2) ⬤	
Malta	49 (2.1)	
Canada	49 (1.5)	
Oman	49 (1.7)	
New Zealand	49 (2.7)	
Saudi Arabia	48 (2.8)	
International Avg.	48 (0.3)	
Qatar	47 (2.0)	
Norway (9)	47 (2.5)	
Chinese Taipei	47 (2.1)	
England	46 (2.0)	
United Arab Emirates	45 (1.4)	
Australia	45 (1.9)	
Israel	45 (2.1)	
Lebanon	43 (2.9)	
Chile	43 (1.8) ⬤	
Singapore	42 (1.5) ⬤	
Sweden	42 (2.5) ⬤	
Morocco	42 (1.4) ⬤	
Ireland	42 (1.9) ⬤	
Turkey	42 (1.9) ⬤	
Georgia	39 (2.4) ⬤	
Egypt	38 (1.9) ⬤	
Iran, Islamic Rep. of	37 (2.2) ⬤	
Thailand	37 (1.8) ⬤	
Kuwait	36 (2.5) ⬤	
South Africa (9)	35 (1.4) ⬤	
Jordan	34 (2.4) ⬤	
Botswana (9)	33 (1.4) ⬤	
Benchmarking Participants		
Quebec, Canada	64 (2.2) ⬤	
Florida, US	58 (4.3) ⬤	
Dubai, UAE	54 (2.8) ⬤	
Buenos Aires, Argentina	50 (3.4)	
Norway (8)	49 (2.3)	
Ontario, Canada	42 (2.0) ⬤	
Abu Dhabi, UAE	37 (2.0) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_01 (S052261): Why people shiver when cold
 Multiple Choice (Key is B)

Country	Percent Correct	
Japan	75 (1.7)	
Italy	64 (1.9)	
Slovenia	64 (2.5)	
Russian Federation	64 (2.5)	
Hungary	63 (2.0)	
Sweden	63 (2.3)	
Korea, Rep. of	62 (2.0)	
United States	60 (1.4)	
Malta	60 (1.7)	
Chinese Taipei	60 (1.7)	
Israel	58 (1.9)	
Australia	57 (1.8)	
Canada	57 (1.8)	
New Zealand	56 (2.3)	
Lithuania	56 (2.5)	
Ireland	56 (2.3)	
England	55 (2.3)	
Georgia	52 (2.7)	
Singapore	48 (1.7)	
International Avg.	48 (0.3)	
Kazakhstan	47 (2.8)	
Botswana (9)	46 (1.9)	
Thailand	44 (2.1)	
Norway (9)	44 (2.2)	
Chile	43 (2.2)	
Lebanon	41 (2.5)	
United Arab Emirates	41 (1.3)	
Qatar	40 (2.0)	
Morocco	39 (1.3)	
Hong Kong SAR	39 (2.2)	
Oman	36 (1.7)	
Malaysia	36 (1.7)	
Turkey	35 (1.5)	
Bahrain	32 (2.2)	
South Africa (9)	30 (1.3)	
Jordan	29 (1.9)	
Iran, Islamic Rep. of	29 (2.2)	
Egypt	29 (1.6)	
Kuwait	26 (2.1)	
Saudi Arabia	22 (2.3)	
Benchmarking Participants		
Florida, US	60 (2.6)	
Ontario, Canada	57 (2.1)	
Dubai, UAE	53 (2.2)	
Quebec, Canada	52 (2.2)	
Buenos Aires, Argentina	50 (3.4)	
Norway (8)	37 (2.1)	
Abu Dhabi, UAE	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

S03_02A (S052092A): Features of animal groups: mammals Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	87 (1.3) ⬤	
Japan	79 (1.7) ⬤	
Italy	76 (2.0) ⬤	
Hungary	76 (2.1) ⬤	
Russian Federation	74 (2.3) ⬤	
Singapore	72 (1.5) ⬤	
Hong Kong SAR	68 (2.5) ⬤	
Australia	67 (1.7) ⬤	
Chinese Taipei	67 (1.8) ⬤	
Lithuania	66 (2.3) ⬤	
Slovenia	62 (2.3) ⬤	
England	62 (2.1) ⬤	
Chile	61 (2.3) ⬤	
United States	61 (1.4) ⬤	
Georgia	60 (2.5) ⬤	
Sweden	60 (2.8) ⬤	
Bahrain	59 (1.7) ⬤	
Malta	59 (1.9) ⬤	
Canada	59 (1.5) ⬤	
Israel	59 (2.0) ⬤	
Malaysia	58 (1.8) ⬤	
Thailand	57 (2.6) ⬤	
Ireland	57 (2.1) ⬤	
International Avg.	56 (0.3) ⬤	
New Zealand	56 (1.9) ⬤	
Norway (9)	56 (2.3) ⬤	
United Arab Emirates	55 (1.4) ⬤	
Jordan	54 (1.7) ⬤	
Oman	51 (1.8) ⬤	
Korea, Rep. of	49 (1.8) ⬤	
Iran, Islamic Rep. of	48 (1.5) ⬤	
Qatar	47 (2.0) ⬤	
Saudi Arabia	42 (2.2) ⬤	
Lebanon	38 (2.5) ⬤	
Morocco	38 (1.5) ⬤	
Kuwait	37 (2.0) ⬤	
Botswana (9)	34 (1.9) ⬤	
Turkey	31 (1.7) ⬤	
Egypt	27 (1.9) ⬤	
South Africa (9)	26 (1.9) ⬤	
Benchmarking Participants		
Dubai, UAE	64 (2.3) ⬤	
Quebec, Canada	64 (2.4) ⬤	
Ontario, Canada	57 (2.1) ⬤	
Buenos Aires, Argentina	51 (2.7) ⬤	
Florida, US	50 (2.4) ⬤	
Norway (8)	48 (2.0) ⬤	
Abu Dhabi, UAE	43 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_02B (S052092B): Features of animal groups: amphibians
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	77 (1.7) ⬤	
Turkey	54 (1.8) ⬤	
Thailand	46 (1.7) ⬤	
Lithuania	44 (2.9) ⬤	
Malaysia	43 (1.8) ⬤	
Sweden	39 (2.3) ⬤	
Russian Federation	39 (2.9) ⬤	
Chinese Taipei	36 (1.7) ⬤	
Georgia	35 (2.1) ⬤	
Bahrain	34 (2.2) ⬤	
Singapore	34 (1.5) ⬤	
Australia	33 (1.7) ⬤	
Slovenia	33 (2.3) ⬤	
Malta	32 (1.7) ⬤	
Oman	32 (1.3) ⬤	
International Avg.	31 (0.3)	
England	30 (2.1) ⬤	
Italy	30 (2.2) ⬤	
Japan	30 (1.8) ⬤	
New Zealand	29 (1.6) ⬤	
Hong Kong SAR	29 (1.8) ⬤	
Korea, Rep. of	29 (1.9) ⬤	
Israel	28 (1.5) ⬤	
Jordan	28 (1.8) ⬤	
United Arab Emirates	27 (1.3) ⬤	
Chile	27 (1.8) ⬤	
Qatar	26 (2.0) ⬤	
Morocco	26 (1.3) ⬤	
United States	25 (1.1) ⬤	
Canada	25 (1.3) ⬤	
Hungary	24 (2.0) ⬤	
Ireland	24 (1.7) ⬤	
Norway (9)	24 (1.9) ⬤	
Iran, Islamic Rep. of	24 (1.9) ⬤	
Botswana (9)	23 (1.6) ⬤	
Saudi Arabia	21 (1.8) ⬤	
Lebanon	21 (1.8) ⬤	
Kuwait	20 (1.6) ⬤	
Egypt	17 (1.3) ⬤	
South Africa (9)	12 (1.2) ⬤	
Benchmarking Participants		
Dubai, UAE	32 (2.2) ⬤	
Quebec, Canada	28 (2.5) ⬤	
Buenos Aires, Argentina	25 (2.6) ⬤	
Ontario, Canada	23 (1.5) ⬤	
Florida, US	23 (3.0) ⬤	
Norway (8)	23 (1.8) ⬤	
Abu Dhabi, UAE	20 (1.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_02C (S052092C): Features of animal groups: fish
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	83 (1.6)	
Malaysia	72 (1.6)	
Japan	69 (1.9)	
Russian Federation	68 (2.1)	
Singapore	67 (1.6)	
Thailand	62 (1.9)	
Australia	55 (1.6)	
Chinese Taipei	54 (1.9)	
New Zealand	54 (2.0)	
Slovenia	54 (2.3)	
Israel	54 (1.8)	
Georgia	53 (2.4)	
Iran, Islamic Rep. of	52 (1.7)	
Bahrain	51 (2.4)	
Korea, Rep. of	50 (2.3)	
England	50 (2.3)	
Sweden	48 (2.4)	
Turkey	47 (1.9)	
International Avg.	46 (0.3)	
Canada	46 (1.8)	
United States	46 (1.3)	
Lithuania	45 (2.4)	
Italy	45 (2.2)	
Ireland	45 (2.1)	
Hungary	43 (2.3)	
Malta	42 (1.9)	
United Arab Emirates	42 (1.6)	
Oman	41 (1.7)	
Qatar	38 (2.3)	
Hong Kong SAR	37 (2.2)	
Jordan	37 (2.1)	
Norway (9)	36 (2.1)	
Morocco	34 (1.5)	
Chile	33 (2.1)	
Saudi Arabia	32 (2.4)	
Kuwait	31 (1.8)	
Lebanon	30 (2.2)	
Botswana (9)	29 (1.4)	
South Africa (9)	21 (1.5)	
Egypt	19 (1.3)	
Benchmarking Participants		
Dubai, UAE	51 (2.6)	
Florida, US	47 (3.5)	
Quebec, Canada	46 (3.3)	
Ontario, Canada	45 (2.2)	
Abu Dhabi, UAE	36 (2.9)	
Norway (8)	33 (2.3)	
Buenos Aires, Argentina	31 (2.4)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_02D (S052092D): Features of animal groups: birds
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	87 (1.5) ⬤	
Hungary	86 (1.8) ⬤	
Singapore	85 (1.3) ⬤	
Russian Federation	82 (2.1) ⬤	
Italy	77 (1.9) ⬤	
Norway (9)	76 (2.1) ⬤	
Slovenia	75 (2.2) ⬤	
Australia	75 (1.5) ⬤	
England	75 (2.0) ⬤	
Canada	73 (1.6) ⬤	
New Zealand	73 (1.4) ⬤	
Lithuania	72 (2.3) ⬤	
Ireland	72 (2.0) ⬤	
Chile	71 (1.8) ⬤	
Malta	69 (1.7) ⬤	
Sweden	68 (3.0) ⬤	
United States	67 (1.2) ⬤	
Georgia	66 (2.8) ⬤	
Malaysia	65 (1.8) ⬤	
Israel	64 (1.9) ⬤	
Jordan	64 (1.9) ⬤	
Bahrain	63 (1.5) ⬤	
International Avg.	63 (0.3) ⬤	
United Arab Emirates	63 (1.2) ⬤	
Oman	60 (1.8) ⬤	
Morocco	59 (1.3) ⬤	
Iran, Islamic Rep. of	56 (2.0) ⬤	
Hong Kong SAR	55 (2.4) ⬤	
Qatar	54 (2.3) ⬤	
Botswana (9)	54 (2.0) ⬤	
Chinese Taipei	52 (2.0) ⬤	
Japan	52 (2.1) ⬤	
Saudi Arabia	50 (2.1) ⬤	
Kuwait	45 (1.9) ⬤	
Lebanon	43 (2.6) ⬤	
Egypt	43 (2.1) ⬤	
Turkey	43 (2.0) ⬤	
Korea, Rep. of	39 (1.9) ⬤	
Thailand	38 (2.3) ⬤	
South Africa (9)	34 (2.0) ⬤	
Benchmarking Participants		
Quebec, Canada	79 (2.6) ⬤	
Norway (8)	72 (1.9) ⬤	
Ontario, Canada	71 (2.0) ⬤	
Dubai, UAE	69 (1.8) ⬤	
Florida, US	62 (3.2) ⬤	
Buenos Aires, Argentina	57 (2.6) ⬤	
Abu Dhabi, UAE	56 (2.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_02Z (S052092Z): Features of animal groups (DERIVED)
Constructed Response (2 Points)

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

Country	Percent Full Credit	Percent at Least 1 Point
Kazakhstan	72 (1.8) ▲	89 (1.3) ▲
Malaysia	32 (1.6) ▲	72 (1.6) ▲
Russian Federation	31 (2.7) ▲	82 (1.8) ▲
Bahrain	29 (2.2) ▲	61 (1.9)
Singapore	27 (1.4) ▲	83 (1.4) ▲
Australia	25 (1.6) ▲	73 (2.0) ▲
Sweden	24 (2.2) ▲	68 (2.3) ▲
England	24 (2.0) ▲	69 (2.1) ▲
Georgia	23 (2.1)	68 (2.5) ▲
Malta	23 (1.7) ▲	64 (1.8)
Lithuania	23 (2.1)	72 (2.3) ▲
Thailand	22 (1.9)	65 (2.1)
New Zealand	21 (1.4)	67 (1.7) ▲
Italy	20 (2.0)	74 (2.2) ▲
International Avg.	20 (0.3)	62 (0.3)
Jordan	19 (1.6)	57 (1.7) ▽
Oman	19 (1.2)	58 (1.8) ▽
Israel	19 (1.2)	65 (1.7) ▲
Ireland	18 (1.7)	64 (2.0)
Norway (9)	18 (1.7)	60 (2.3)
Chile	17 (1.6)	63 (2.2)
Canada	17 (1.2) ▽	65 (1.5) ▲
Japan	17 (1.4) ▽	75 (1.8) ▲
United States	17 (1.0) ▽	65 (1.3) ▲
United Arab Emirates	17 (1.2) ▽	60 (1.4)
Chinese Taipei	16 (1.4) ▽	69 (1.9) ▲
Turkey	16 (1.4) ▽	53 (1.8) ▽
Slovenia	16 (1.8) ▽	74 (2.0) ▲
Hungary	15 (1.4) ▽	81 (1.9) ▲
Qatar	14 (1.5) ▽	52 (2.4) ▽
Lebanon	14 (1.5) ▽	38 (2.7) ▽
Iran, Islamic Rep. of	14 (1.5) ▽	57 (1.9) ▽
Korea, Rep. of	14 (1.4) ▽	50 (2.2) ▽
Morocco	13 (1.0) ▽	48 (1.6) ▽
Botswana (9)	13 (1.3) ▽	42 (1.9) ▽
Hong Kong SAR	13 (1.5) ▽	61 (2.6)
Saudi Arabia	12 (1.4) ▽	46 (2.4) ▽
Kuwait	11 (1.2) ▽	41 (1.9) ▽
Egypt	7 (0.9) ▽	33 (1.9) ▽
South Africa (9)	5 (0.9) ▽	26 (1.6) ▽
Benchmarking Participants		
Dubai, UAE	21 (1.8)	70 (1.8) ▲
Quebec, Canada	19 (2.0)	71 (2.3) ▲
Norway (8)	15 (1.6) ▽	57 (2.2) ▽
Florida, US	15 (2.4)	60 (3.2)
Ontario, Canada	15 (1.4) ▽	64 (1.9)
Buenos Aires, Argentina	14 (1.6) ▽	51 (2.7) ▽
Abu Dhabi, UAE	12 (1.8) ▽	50 (2.8) ▽

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_03A (S052263A): Cellular respiration: tubes 1 & 2
 Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	48 (2.9) ▲	
Singapore	43 (2.1) ▲	
Japan	35 (2.0) ▲	
Hong Kong SAR	31 (2.8) ▲	
Ireland	28 (1.9) ▲	
Korea, Rep. of	26 (1.9) ▲	
England	24 (1.9) ▲	
Chinese Taipei	23 (1.4) ▲	
New Zealand	21 (1.3) ▲	
Russian Federation	21 (2.2) ▲	
Canada	19 (1.6) ▲	
Sweden	16 (1.8) ▲	
Australia	16 (1.1) ▲	
International Avg.	15 (0.2)	
Lithuania	15 (2.0) ▲	
United States	15 (1.0) ▲	
Hungary	14 (1.4) ▲	
Qatar	14 (1.5) ▲	
South Africa (9)	13 (1.1) ▽	
Slovenia	12 (1.7) ▽	
Saudi Arabia	12 (1.5) ▽	
Chile	12 (1.4) ▽	
Turkey	11 (1.1) ▽	
Malta	11 (1.0) ▽	
Israel	11 (1.2) ▽	
Norway (9)	10 (1.1) ▽	
Malaysia	10 (0.8) ▽	
United Arab Emirates	10 (0.9) ▽	
Kuwait	10 (1.4) ▽	
Italy	10 (1.2) ▽	
Lebanon	9 (1.5) ▽	
Bahrain	8 (1.5) ▽	
Iran, Islamic Rep. of	8 (1.3) ▽	
Jordan	7 (0.7) ▽	
Oman	6 (0.8) ▽	
Georgia	6 (1.3) ▽	
Botswana (9)	4 (0.7) ▽	
Thailand	4 (0.9) ▽	
Egypt	4 (1.0) ▽	
Morocco	3 (0.4) ▽	
Benchmarking Participants		
Ontario, Canada	19 (2.1)	
Quebec, Canada	18 (1.6)	
Dubai, UAE	13 (1.3)	
Florida, US	10 (2.1) ▽	
Abu Dhabi, UAE	8 (1.4) ▽	
Norway (8)	7 (1.2) ▽	
Buenos Aires, Argentina	1 (0.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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_03B (S052263B): Cellular respiration: tube 4
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	59 (1.9)	
Japan	53 (2.0)	
Hong Kong SAR	50 (3.0)	
Korea, Rep. of	43 (2.1)	
Kazakhstan	42 (2.7)	
Ireland	35 (2.4)	
Russian Federation	29 (2.5)	
Chinese Taipei	28 (1.5)	
England	26 (2.1)	
Lithuania	25 (2.5)	
Canada	25 (1.5)	
New Zealand	23 (1.9)	
Australia	21 (1.4)	
International Avg.	20 (0.3)	
United States	19 (1.3)	
Slovenia	19 (1.8)	
Hungary	19 (1.6)	
Israel	18 (1.5)	
Sweden	17 (1.7)	
Bahrain	16 (2.1)	
Italy	16 (1.7)	
Malaysia	15 (1.1)	
United Arab Emirates	15 (1.2)	
Qatar	14 (1.6)	
Lebanon	14 (1.7)	
Norway (9)	13 (1.5)	
Kuwait	12 (1.6)	
Turkey	12 (1.3)	
Oman	11 (1.2)	
Malta	11 (1.4)	
Chile	9 (1.3)	
Jordan	9 (1.1)	
Saudi Arabia	9 (1.4)	
Iran, Islamic Rep. of	8 (1.2)	
Georgia	7 (1.4)	
Thailand	7 (1.1)	
South Africa (9)	6 (1.2)	
Morocco	6 (0.8)	
Botswana (9)	5 (0.9)	
Egypt	4 (0.8)	
Benchmarking Participants		
Quebec, Canada	26 (1.7)	
Ontario, Canada	24 (1.9)	
Dubai, UAE	21 (2.5)	
Abu Dhabi, UAE	13 (1.9)	
Florida, US	12 (1.6)	
Norway (8)	9 (1.2)	
Buenos Aires, Argentina	3 (0.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_04 (S052265): Manx cats bred together Constructed Response (1 Point)

Country	Percent Correct
Singapore	61 (2.1)
Kazakhstan	59 (2.2)
England	58 (2.5)
United States	51 (1.7)
Canada	46 (1.4)
Malaysia	45 (1.7)
Iran, Islamic Rep. of	43 (2.1)
Australia	43 (1.7)
Israel	42 (1.6)
Turkey	41 (1.8)
Ireland	41 (2.1)
Slovenia	38 (2.1)
New Zealand	38 (2.1)
Lithuania	37 (2.0)
Sweden	37 (2.4)
Russian Federation	37 (2.4)
Hong Kong SAR	36 (2.4)
Norway (9)	36 (2.3)
International Avg.	30 (0.3)
Japan	29 (2.0)
Thailand	29 (2.0)
Chinese Taipei	27 (1.5)
United Arab Emirates	26 (1.2)
Oman	23 (1.4)
Chile	22 (1.7)
Kuwait	22 (2.4)
Qatar	22 (2.0)
Hungary	21 (1.4)
Malta	20 (1.7)
Bahrain	19 (1.5)
Jordan	19 (1.5)
Botswana (9)	17 (1.7)
Italy	15 (1.5)
Georgia	11 (1.5)
Morocco	11 (0.9)
Egypt	11 (1.1)
South Africa (9)	10 (1.2)
Saudi Arabia	9 (1.5)
Lebanon	7 (1.4)
Korea, Rep. of	3 (0.6)
Benchmarking Participants	
Quebec, Canada	46 (2.9)
Ontario, Canada	46 (1.9)
Florida, US	45 (3.6)
Dubai, UAE	36 (1.5)
Norway (8)	28 (2.3)
Abu Dhabi, UAE	27 (2.5)
Buenos Aires, Argentina	17 (1.8)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_05 (S052280): Property of nonmetals
 Multiple Choice (Key is A)

Country	Percent Correct
Singapore	83 (1.4)
Kazakhstan	79 (2.6)
Russian Federation	74 (2.3)
Sweden	71 (2.8)
Chinese Taipei	69 (1.5)
Korea, Rep. of	68 (1.9)
England	67 (2.0)
Japan	67 (1.9)
Botswana (9)	65 (1.6)
Georgia	65 (2.3)
United States	64 (1.6)
Norway (9)	63 (2.1)
Ireland	61 (2.1)
Slovenia	60 (2.1)
Hong Kong SAR	60 (2.4)
Israel	60 (2.0)
Lithuania	58 (2.3)
Australia	57 (1.6)
United Arab Emirates	57 (1.5)
Lebanon	56 (2.6)
Qatar	56 (2.1)
International Avg.	56 (0.3)
Thailand	55 (2.0)
Italy	55 (2.4)
Turkey	53 (1.8)
Malta	52 (2.1)
Iran, Islamic Rep. of	51 (2.4)
Canada	50 (1.8)
Bahrain	50 (1.9)
Kuwait	49 (2.0)
Hungary	49 (2.4)
New Zealand	47 (1.7)
Chile	44 (2.2)
Oman	43 (1.6)
Egypt	40 (2.0)
Jordan	39 (2.0)
South Africa (9)	38 (1.8)
Malaysia	38 (1.8)
Saudi Arabia	36 (2.5)
Morocco	30 (1.2)
Benchmarking Participants	
Dubai, UAE	74 (1.8)
Florida, US	58 (3.4)
Quebec, Canada	51 (2.9)
Ontario, Canada	49 (2.5)
Abu Dhabi, UAE	46 (2.7)
Norway (8)	39 (2.2)
Buenos Aires, Argentina	28 (2.4)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_06 (S052256): Cause distilled water taste
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	71 (1.7) ⬤	
Chinese Taipei	64 (1.8) ⬤	
Hong Kong SAR	63 (2.4) ⬤	
Korea, Rep. of	61 (2.1) ⬤	
Japan	58 (2.4) ⬤	
Hungary	55 (2.3) ⬤	
Turkey	53 (1.7) ⬤	
Russian Federation	53 (2.3) ⬤	
Kazakhstan	53 (2.8) ⬤	
England	50 (2.1) ⬤	
Ireland	48 (2.3) ⬤	
Sweden	48 (2.7) ⬤	
United States	46 (1.4) ⬤	
Canada	45 (1.7) ⬤	
Israel	45 (1.9) ⬤	
Norway (9)	44 (2.2) ⬤	
Slovenia	43 (2.2) ⬤	
International Avg.	43 (0.3)	
Iran, Islamic Rep. of	42 (2.1) ⬤	
Lithuania	42 (2.5) ⬤	
Italy	42 (2.0) ⬤	
Australia	42 (1.7) ⬤	
Bahrain	41 (2.1) ⬤	
Malta	40 (1.9) ⬤	
Malaysia	39 (1.6) ⬤	
New Zealand	39 (1.5) ⬤	
Oman	39 (1.8) ⬤	
United Arab Emirates	38 (1.3) ⬤	
Georgia	38 (2.6) ⬤	
Chile	35 (2.1) ⬤	
Qatar	33 (1.7) ⬤	
Jordan	32 (2.0) ⬤	
Saudi Arabia	31 (2.2) ⬤	
Thailand	31 (1.8) ⬤	
Lebanon	29 (2.5) ⬤	
Kuwait	29 (2.1) ⬤	
Morocco	28 (1.5) ⬤	
Egypt	26 (1.9) ⬤	
South Africa (9)	24 (1.3) ⬤	
Botswana (9)	22 (1.6) ⬤	
Benchmarking Participants		
Quebec, Canada	48 (2.9) ⬤	
Florida, US	47 (3.1) ⬤	
Ontario, Canada	45 (2.4) ⬤	
Dubai, UAE	43 (3.1) ⬤	
Norway (8)	38 (1.9) ⬤	
Abu Dhabi, UAE	36 (2.1) ⬤	
Buenos Aires, Argentina	27 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_07A (S052043A): 1:Neutralizing wasp venom: water
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Hungary	86 (1.7) ⬤	
Italy	84 (1.6) ⬤	
Japan	81 (1.4) ⬤	
Korea, Rep. of	80 (1.5) ⬤	
Ireland	80 (1.6) ⬤	
Lithuania	80 (2.0) ⬤	
Russian Federation	79 (2.3) ⬤	
Canada	78 (1.3) ⬤	
England	78 (2.1) ⬤	
Singapore	77 (1.5) ⬤	
Thailand	77 (1.7) ⬤	
Slovenia	77 (1.8) ⬤	
Chinese Taipei	75 (1.7) ⬤	
Hong Kong SAR	75 (2.0) ⬤	
United States	73 (1.2) ⬤	
Norway (9)	73 (2.3) ⬤	
Israel	72 (1.5) ⬤	
Iran, Islamic Rep. of	70 (2.1)	
Australia	70 (1.6)	
Chile	69 (2.2)	
Bahrain	69 (1.9)	
International Avg.	68 (0.3)	
New Zealand	68 (1.5)	
Kazakhstan	68 (2.9)	
United Arab Emirates	67 (1.2)	
Turkey	67 (2.2)	
Jordan	65 (1.8) ⬤	
Malta	64 (2.0) ⬤	
Saudi Arabia	64 (2.3)	
Qatar	63 (1.9) ⬤	
Sweden	63 (2.2) ⬤	
Oman	62 (1.5) ⬤	
Malaysia	62 (1.7) ⬤	
Morocco	60 (1.6) ⬤	
Kuwait	59 (2.2) ⬤	
Georgia	58 (3.1) ⬤	
Egypt	55 (1.9) ⬤	
Lebanon	53 (2.8) ⬤	
South Africa (9)	35 (1.9) ⬤	
Botswana (9)	33 (1.6) ⬤	
Benchmarking Participants		
Quebec, Canada	85 (1.8) ⬤	
Ontario, Canada	75 (1.8) ⬤	
Dubai, UAE	69 (1.5)	
Florida, US	68 (3.0)	
Norway (8)	68 (2.4)	
Abu Dhabi, UAE	67 (2.2)	
Buenos Aires, Argentina	57 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_07B (S052043B): 2:Neutralizing wasp venom: lemon juice
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Thailand	82 (1.7) ▲	
Hong Kong SAR	79 (1.6) ▲	
Chinese Taipei	75 (1.7) ▲	
Singapore	75 (1.4) ▲	
Turkey	70 (1.8) ▲	
Ireland	69 (2.0) ▲	
Italy	69 (2.1) ▲	
Canada	68 (1.8) ▲	
Norway (9)	68 (2.1) ▲	
England	67 (1.9) ▲	
Korea, Rep. of	67 (1.6) ▲	
Japan	67 (1.9) ▲	
Lithuania	65 (2.2) ▲	
Russian Federation	65 (2.6)	
Hungary	64 (2.0)	
Israel	63 (2.1)	
United States	62 (1.1) ▲	
Iran, Islamic Rep. of	62 (1.9)	
Slovenia	62 (2.3)	
Sweden	62 (2.4)	
Chile	61 (2.4)	
Australia	61 (1.7)	
International Avg.	60 (0.3)	
Bahrain	59 (2.6)	
New Zealand	58 (1.8)	
Malaysia	58 (1.8)	
United Arab Emirates	58 (1.5)	
Kazakhstan	57 (3.0)	
Oman	53 (1.6) ▽	
Qatar	53 (1.7) ▽	
Saudi Arabia	52 (2.4) ▽	
Malta	52 (1.9) ▽	
Lebanon	50 (2.8) ▽	
Egypt	48 (2.0) ▽	
Jordan	48 (1.9) ▽	
South Africa (9)	47 (1.7) ▽	
Georgia	47 (2.4) ▽	
Botswana (9)	46 (1.9) ▽	
Kuwait	43 (2.4) ▽	
Morocco	24 (1.2) ▽	
Benchmarking Participants		
Quebec, Canada	79 (2.4) ▲	
Ontario, Canada	63 (2.2)	
Dubai, UAE	62 (2.3)	
Florida, US	61 (2.7)	
Abu Dhabi, UAE	56 (2.5)	
Norway (8)	56 (2.3)	
Buenos Aires, Argentina	42 (2.8) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_07C (S052043C): 3:Neutralizing wasp venom: vinegar
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	76 (1.7) ▲	
Korea, Rep. of	76 (1.9) ▲	
Hungary	76 (2.2) ▲	
Ireland	76 (2.1) ▲	
Australia	76 (1.5) ▲	
Chinese Taipei	75 (1.6) ▲	
Japan	74 (1.5) ▲	
Israel	74 (1.4) ▲	
Thailand	73 (2.0) ▲	
Turkey	72 (1.6) ▲	
England	71 (2.2) ▲	
New Zealand	71 (1.7) ▲	
Slovenia	70 (2.2) ▲	
Canada	70 (1.6) ▲	
United States	68 (1.4) ▲	
Bahrain	67 (2.2)	
Singapore	67 (1.9)	
Malta	67 (1.9)	
Kazakhstan	65 (2.7)	
Norway (9)	65 (2.0)	
International Avg.	65 (0.3)	
United Arab Emirates	64 (1.3)	
Iran, Islamic Rep. of	63 (2.2)	
Italy	62 (2.5)	
Russian Federation	62 (2.5)	
Lithuania	61 (2.4)	
Malaysia	60 (1.4) ▽	
Qatar	60 (2.1) ▽	
Jordan	60 (1.6) ▽	
Morocco	58 (1.4) ▽	
Kuwait	58 (2.1) ▽	
Chile	58 (1.6) ▽	
Lebanon	58 (2.5) ▽	
Saudi Arabia	57 (2.4) ▽	
Georgia	56 (2.6) ▽	
Oman	54 (1.9) ▽	
Egypt	53 (1.9) ▽	
Sweden	53 (2.3) ▽	
South Africa (9)	52 (1.7) ▽	
Botswana (9)	48 (1.9) ▽	
Benchmarking Participants		
Quebec, Canada	72 (2.2) ▲	
Florida, US	70 (3.2)	
Norway (8)	70 (1.9) ▲	
Ontario, Canada	69 (2.1) ▲	
Dubai, UAE	66 (1.9)	
Abu Dhabi, UAE	63 (2.5)	
Buenos Aires, Argentina	43 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_07D (S052043D): 4:Neutralizing wasp venom: baking soda
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	69 (1.7)	
Thailand	67 (2.0)	
Hong Kong SAR	67 (2.2)	
Japan	65 (1.8)	
Norway (9)	63 (2.6)	
Korea, Rep. of	61 (2.1)	
Singapore	61 (1.8)	
Turkey	58 (2.1)	
Ireland	58 (2.1)	
Hungary	57 (2.0)	
Malta	56 (2.4)	
Kazakhstan	56 (2.7)	
Israel	55 (2.0)	
England	54 (2.3)	
Malaysia	52 (1.7)	
Australia	51 (1.9)	
International Avg.	50 (0.3)	
United Arab Emirates	49 (1.2)	
Botswana (9)	49 (2.0)	
New Zealand	48 (1.8)	
Canada	48 (1.7)	
Oman	48 (1.5)	
Russian Federation	47 (2.9)	
Lebanon	47 (2.6)	
Bahrain	46 (2.0)	
United States	46 (1.5)	
South Africa (9)	45 (1.3)	
Slovenia	45 (2.1)	
Iran, Islamic Rep. of	44 (2.4)	
Georgia	44 (2.4)	
Italy	44 (2.5)	
Qatar	44 (2.0)	
Lithuania	41 (2.1)	
Egypt	41 (1.9)	
Sweden	40 (2.6)	
Jordan	40 (1.9)	
Saudi Arabia	36 (2.3)	
Kuwait	34 (2.2)	
Chile	32 (1.7)	
Morocco	30 (1.2)	
Benchmarking Participants		
Norway (8)	59 (2.2)	
Dubai, UAE	57 (2.0)	
Quebec, Canada	55 (2.9)	
Abu Dhabi, UAE	49 (2.3)	
Florida, US	48 (2.8)	
Ontario, Canada	45 (2.1)	
Buenos Aires, Argentina	28 (2.3)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_07Z (S052043Z): Neutralizing wasp venom (DERIVED)
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	52 (1.8)	
Hong Kong SAR	50 (2.1)	
Thailand	49 (2.3)	
Korea, Rep. of	48 (2.2)	
Japan	48 (1.9)	
Ireland	44 (2.3)	
Israel	39 (2.1)	
Turkey	39 (2.2)	
Hungary	39 (1.7)	
Singapore	38 (1.6)	
England	38 (2.2)	
Norway (9)	36 (2.6)	
Canada	34 (1.7)	
Russian Federation	33 (3.0)	
Malaysia	33 (1.7)	
Italy	33 (2.4)	
Kazakhstan	32 (2.7)	
Iran, Islamic Rep. of	32 (2.2)	
Bahrain	31 (2.5)	
International Avg.	30 (0.3)	
Slovenia	30 (2.0)	
Australia	29 (2.0)	
United Arab Emirates	28 (1.4)	
United States	27 (1.2)	
Oman	27 (1.4)	
Lithuania	26 (2.1)	
New Zealand	25 (1.5)	
Malta	25 (1.6)	
Lebanon	24 (2.4)	
Sweden	23 (2.3)	
Qatar	23 (1.6)	
Georgia	22 (2.0)	
Saudi Arabia	18 (1.9)	
Egypt	18 (1.7)	
Chile	18 (1.5)	
Jordan	17 (1.4)	
Kuwait	16 (1.9)	
Botswana (9)	13 (1.2)	
South Africa (9)	10 (1.1)	
Morocco	7 (0.7)	
Benchmarking Participants		
Quebec, Canada	45 (2.9)	
Dubai, UAE	33 (2.3)	
Ontario, Canada	29 (2.1)	
Abu Dhabi, UAE	28 (2.4)	
Norway (8)	28 (2.0)	
Florida, US	27 (2.9)	
Buenos Aires, Argentina	16 (1.8)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_08 (S052194): Particles in Samples X and Y
 Multiple Choice (Key is C)

Country	Percent Correct	
Russian Federation	66 (1.8)	
Singapore	62 (1.9)	
Israel	61 (2.0)	
Canada	61 (1.6)	
Chinese Taipei	60 (1.9)	
Lithuania	54 (2.7)	
Sweden	54 (2.3)	
England	53 (2.2)	
Australia	52 (1.5)	
Italy	50 (2.6)	
New Zealand	50 (1.9)	
Japan	50 (1.8)	
Hungary	49 (2.2)	
Ireland	49 (1.9)	
Slovenia	49 (2.3)	
United States	48 (1.4)	
Norway (9)	48 (2.1)	
Hong Kong SAR	47 (2.7)	
Kazakhstan	46 (2.8)	
Malta	46 (1.8)	
Iran, Islamic Rep. of	45 (1.9)	
Korea, Rep. of	44 (1.8)	
Georgia	44 (2.5)	
International Avg.	43 (0.3)	
Bahrain	42 (2.2)	
Turkey	41 (2.1)	
United Arab Emirates	39 (1.3)	
Jordan	36 (1.6)	
Qatar	34 (1.5)	
Malaysia	34 (1.5)	
Egypt	34 (1.6)	
Chile	34 (2.0)	
Oman	31 (1.5)	
Lebanon	31 (2.4)	
Botswana (9)	29 (1.6)	
Kuwait	28 (2.0)	
Morocco	27 (1.3)	
Saudi Arabia	24 (1.8)	
South Africa (9)	24 (1.4)	
Thailand	20 (1.7)	
Benchmarking Participants		
Ontario, Canada	63 (2.1)	
Quebec, Canada	60 (2.8)	
Dubai, UAE	49 (2.0)	
Florida, US	46 (3.5)	
Norway (8)	43 (2.1)	
Abu Dhabi, UAE	34 (2.3)	
Buenos Aires, Argentina	27 (2.4)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_09 (S052179): Temperature of three containers
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	71 (1.9) ⬤	
Chinese Taipei	69 (1.9) ⬤	
Japan	68 (2.0) ⬤	
Singapore	59 (1.8) ⬤	
Hong Kong SAR	58 (2.3) ⬤	
Slovenia	56 (2.0) ⬤	
Russian Federation	55 (2.9) ⬤	
Norway (9)	54 (2.2) ⬤	
Kazakhstan	52 (2.7) ⬤	
Lithuania	51 (2.7) ⬤	
Sweden	49 (2.3) ⬤	
Hungary	48 (2.3) ⬤	
United States	45 (1.5) ⬤	
England	44 (2.1)	
Australia	43 (2.2)	
Ireland	42 (1.8)	
New Zealand	41 (1.7)	
Italy	41 (2.3)	
International Avg.	40 (0.3)	
Canada	40 (1.8)	
Thailand	39 (1.7)	
Israel	38 (1.7)	
Turkey	37 (1.9)	
Chile	35 (2.1) ⬤	
Malaysia	35 (1.7) ⬤	
Malta	33 (2.0) ⬤	
Georgia	32 (2.0) ⬤	
United Arab Emirates	32 (1.2) ⬤	
Qatar	30 (2.0) ⬤	
Kuwait	30 (2.2) ⬤	
Bahrain	28 (2.0) ⬤	
Egypt	27 (1.7) ⬤	
Iran, Islamic Rep. of	27 (1.9) ⬤	
Oman	27 (1.5) ⬤	
Lebanon	26 (2.3) ⬤	
Morocco	26 (1.2) ⬤	
South Africa (9)	24 (1.2) ⬤	
Saudi Arabia	22 (1.8) ⬤	
Jordan	20 (1.5) ⬤	
Botswana (9)	17 (1.3) ⬤	
Benchmarking Participants		
Norway (8)	49 (2.3) ⬤	
Quebec, Canada	43 (2.1)	
Dubai, UAE	39 (1.9)	
Ontario, Canada	38 (2.4)	
Florida, US	37 (2.7)	
Buenos Aires, Argentina	31 (2.2) ⬤	
Abu Dhabi, UAE	29 (2.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_10 (S052233): Object X floating in Liquids A,B,C
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	48 (2.6) ▲	
Russian Federation	30 (2.3) ▲	
Turkey	29 (1.9) ▲	
Singapore	28 (1.5) ▲	
Slovenia	27 (2.3) ▲	
Hungary	27 (1.9) ▲	
Chinese Taipei	26 (1.6) ▲	
Oman	26 (1.6) ▲	
Japan	26 (1.5) ▲	
Hong Kong SAR	25 (2.3) ▲	
Israel	24 (1.6) ▲	
Korea, Rep. of	24 (2.1) ▲	
Canada	20 (1.3)	
International Avg.	18 (0.3)	
Lithuania	18 (1.7)	
United Arab Emirates	17 (1.1)	
Norway (9)	17 (1.9)	
England	17 (1.7)	
Malta	16 (1.3)	
Bahrain	16 (1.7)	
United States	16 (1.1) ▽	
Sweden	16 (1.6)	
Jordan	15 (1.4) ▽	
Australia	15 (1.3) ▽	
Kuwait	14 (1.4) ▽	
Italy	14 (1.5) ▽	
Saudi Arabia	14 (1.9) ▽	
Thailand	14 (1.3) ▽	
Malaysia	14 (1.1) ▽	
New Zealand	13 (1.1) ▽	
Ireland	13 (1.3) ▽	
Iran, Islamic Rep. of	12 (1.2) ▽	
Egypt	12 (1.2) ▽	
Qatar	12 (1.2) ▽	
Lebanon	10 (1.5) ▽	
South Africa (9)	9 (0.8) ▽	
Chile	8 (1.0) ▽	
Botswana (9)	8 (1.0) ▽	
Georgia	7 (1.2) ▽	
Morocco	7 (0.7) ▽	
Benchmarking Participants		
Dubai, UAE	22 (1.6) ▲	
Ontario, Canada	21 (1.7)	
Abu Dhabi, UAE	19 (2.0)	
Quebec, Canada	19 (2.5)	
Florida, US	14 (2.6)	
Norway (8)	14 (1.6) ▽	
Buenos Aires, Argentina	2 (0.7) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_11 (S052159): Moving log with bar and stone
 Multiple Choice (Key is D)

Country	Percent Correct
Kazakhstan	88 (1.6) ⬤
Sweden	78 (2.0) ⬤
Lithuania	77 (2.2) ⬤
Hungary	77 (1.8) ⬤
Russian Federation	76 (2.4) ⬤
Norway (9)	76 (2.0) ⬤
Korea, Rep. of	75 (1.7) ⬤
Japan	75 (1.9) ⬤
Chinese Taipei	74 (1.6) ⬤
Slovenia	71 (2.0) ⬤
Singapore	71 (1.4) ⬤
Georgia	67 (2.8)
Malaysia	67 (1.6) ⬤
Australia	66 (1.4) ⬤
Italy	66 (2.2)
Ireland	65 (2.1)
Thailand	65 (1.7)
England	65 (2.0)
Canada	65 (1.9)
Turkey	64 (2.0)
Malta	63 (2.1)
International Avg.	63 (0.3)
Hong Kong SAR	62 (2.0)
Chile	61 (2.2)
United States	60 (1.6)
New Zealand	60 (2.2)
Israel	59 (1.6) ⬤
Iran, Islamic Rep. of	58 (1.6) ⬤
Jordan	56 (1.9) ⬤
Morocco	53 (1.3) ⬤
United Arab Emirates	53 (1.2) ⬤
South Africa (9)	53 (1.5) ⬤
Botswana (9)	53 (1.7) ⬤
Oman	50 (1.7) ⬤
Bahrain	49 (1.8) ⬤
Egypt	49 (2.0) ⬤
Lebanon	48 (2.7) ⬤
Qatar	48 (2.7) ⬤
Saudi Arabia	47 (2.3) ⬤
Kuwait	39 (2.1) ⬤
Benchmarking Participants	
Quebec, Canada	69 (3.1)
Norway (8)	68 (2.0) ⬤
Ontario, Canada	62 (2.4)
Florida, US	58 (3.4)
Dubai, UAE	55 (1.6) ⬤
Abu Dhabi, UAE	50 (2.1) ⬤
Buenos Aires, Argentina	49 (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_12A (S052289A): Artesian water:
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Hungary	95 (1.0) ⬤	
Kazakhstan	92 (1.1) ⬤	
Russian Federation	91 (1.4) ⬤	
England	91 (1.3) ⬤	
Chinese Taipei	91 (1.1) ⬤	
Lithuania	91 (1.5) ⬤	
Singapore	91 (1.0) ⬤	
Slovenia	90 (1.4) ⬤	
Ireland	90 (1.3) ⬤	
United States	90 (0.9) ⬤	
Canada	89 (1.0) ⬤	
Italy	88 (1.6) ⬤	
Australia	88 (1.0) ⬤	
Thailand	86 (1.3) ⬤	
Sweden	85 (1.7) ⬤	
Georgia	85 (1.8) ⬤	
Japan	85 (1.5) ⬤	
Korea, Rep. of	84 (1.3) ⬤	
Norway (9)	83 (1.7) ⬤	
Malta	83 (1.9)	
New Zealand	82 (1.6)	
Turkey	82 (1.5)	
Chile	81 (1.8)	
Israel	80 (1.5)	
United Arab Emirates	80 (1.1)	
International Avg.	80 (0.3)	
Oman	79 (1.4)	
Hong Kong SAR	78 (2.3)	
Jordan	78 (1.4)	
Iran, Islamic Rep. of	76 (1.6) ⬤	
Bahrain	75 (2.0) ⬤	
Qatar	73 (1.9) ⬤	
Malaysia	69 (2.0) ⬤	
Kuwait	69 (2.3) ⬤	
Saudi Arabia	65 (2.2) ⬤	
Morocco	63 (1.3) ⬤	
Egypt	60 (2.2) ⬤	
Botswana (9)	56 (2.0) ⬤	
Lebanon	54 (2.8) ⬤	
South Africa (9)	48 (2.2) ⬤	
Benchmarking Participants		
Ontario, Canada	88 (1.3) ⬤	
Quebec, Canada	88 (1.8) ⬤	
Dubai, UAE	87 (1.2) ⬤	
Florida, US	83 (3.3)	
Norway (8)	82 (1.7)	
Abu Dhabi, UAE	75 (2.3) ⬤	
Buenos Aires, Argentina	72 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S03_12B (S052289B): Artesian water: Difference in flow Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
United States	62 (1.2)	
Kazakhstan	61 (2.5)	
Chinese Taipei	59 (2.0)	
Slovenia	58 (2.3)	
Korea, Rep. of	57 (2.1)	
New Zealand	57 (1.6)	
Australia	56 (1.8)	
Hungary	55 (2.4)	
Singapore	55 (1.9)	
Canada	55 (1.8)	
Lithuania	54 (2.5)	
England	54 (2.3)	
Malta	54 (2.0)	
Hong Kong SAR	53 (1.9)	
Japan	49 (1.9)	
Ireland	48 (2.0)	
Italy	47 (2.5)	
Israel	47 (2.1)	
Russian Federation	47 (2.3)	
International Avg.	44 (0.3)	
Thailand	44 (2.3)	
Malaysia	43 (1.5)	
Sweden	43 (2.4)	
United Arab Emirates	43 (1.5)	
Qatar	43 (1.9)	
Norway (9)	43 (2.4)	
Turkey	42 (1.8)	
Bahrain	39 (2.6)	
Oman	37 (2.0)	
Iran, Islamic Rep. of	37 (2.3)	
Jordan	35 (2.2)	
Kuwait	35 (2.1)	
South Africa (9)	33 (1.4)	
Saudi Arabia	32 (2.4)	
Lebanon	32 (2.5)	
Botswana (9)	28 (1.8)	
Morocco	28 (1.2)	
Egypt	26 (1.8)	
Georgia	25 (2.2)	
Chile	5 (1.0)	
Benchmarking Participants		
Quebec, Canada	61 (3.1)	
Florida, US	55 (3.4)	
Ontario, Canada	50 (2.3)	
Dubai, UAE	46 (2.4)	
Buenos Aires, Argentina	45 (2.7)	
Abu Dhabi, UAE	44 (2.4)	
Norway (8)	41 (2.5)	

Percent significantly higher than international average

Percent significantly lower 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_12C (S052289C): Artesian water: Temperature
 Constructed Response (1 Point)**

Country	Percent Correct
Japan	57 (2.2)
Kazakhstan	51 (2.6)
Singapore	50 (1.9)
Hong Kong SAR	47 (2.8)
Chinese Taipei	47 (1.5)
Sweden	45 (2.2)
Iran, Islamic Rep. of	43 (1.9)
England	43 (2.2)
New Zealand	42 (2.1)
United States	41 (1.5)
Canada	41 (1.5)
Korea, Rep. of	41 (2.0)
Australia	40 (1.8)
Hungary	39 (2.2)
Ireland	38 (2.1)
Oman	36 (1.4)
Slovenia	35 (2.3)
Norway (9)	34 (1.7)
Turkey	34 (2.0)
United Arab Emirates	33 (1.3)
International Avg.	32 (0.3)
Bahrain	31 (2.6)
Israel	30 (2.1)
Lithuania	29 (2.4)
Qatar	28 (2.0)
Russian Federation	28 (2.1)
Thailand	26 (1.9)
Malta	26 (1.8)
Saudi Arabia	25 (2.0)
Kuwait	23 (2.0)
Italy	23 (1.7)
Chile	22 (1.7)
Jordan	20 (1.7)
Malaysia	20 (1.4)
South Africa (9)	17 (1.7)
Georgia	14 (1.6)
Morocco	12 (1.1)
Botswana (9)	10 (1.2)
Lebanon	8 (1.3)
Egypt	5 (1.0)
Benchmarking Participants	
Quebec, Canada	47 (2.6)
Dubai, UAE	42 (2.0)
Ontario, Canada	38 (1.8)
Florida, US	37 (3.2)
Norway (8)	32 (2.0)
Abu Dhabi, UAE	30 (2.0)
Buenos Aires, Argentina	16 (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_01 (S062099): Cell development in young animals
 Multiple Choice (Key is B)

Country	Percent Correct
Singapore	86 (1.3)
Chinese Taipei	72 (1.8)
Hong Kong SAR	68 (2.1)
Slovenia	67 (2.4)
Russian Federation	65 (2.0)
Sweden	65 (2.4)
Turkey	65 (2.2)
United States	63 (1.5)
Canada	60 (1.8)
United Arab Emirates	59 (1.4)
Iran, Islamic Rep. of	59 (2.2)
Norway (9)	59 (2.4)
Japan	58 (2.4)
Australia	57 (2.4)
Chile	57 (1.9)
Ireland	57 (2.6)
Italy	57 (2.1)
Oman	56 (2.0)
Korea, Rep. of	55 (2.2)
England	53 (2.4)
Hungary	53 (2.4)
Israel	52 (2.2)
International Avg.	52 (0.3)
Bahrain	50 (1.8)
Qatar	49 (2.0)
Kazakhstan	48 (3.1)
Kuwait	47 (2.5)
Lithuania	47 (2.3)
New Zealand	46 (1.8)
Malaysia	46 (1.7)
Malta	45 (2.0)
Thailand	42 (2.1)
Saudi Arabia	40 (2.8)
Lebanon	39 (2.6)
Jordan	39 (2.0)
Georgia	35 (2.9)
Morocco	29 (1.4)
Botswana (9)	27 (1.7)
Egypt	26 (1.7)
South Africa (9)	21 (1.6)
Benchmarking Participants	
Dubai, UAE	69 (1.8)
Florida, US	62 (2.4)
Ontario, Canada	62 (2.3)
Quebec, Canada	58 (3.6)
Abu Dhabi, UAE	55 (2.3)
Norway (8)	51 (2.2)
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

**S04_02 (S062095): Fill in organ names
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	77 (1.4) ⬤	94 (0.6) ⬤
Korea, Rep. of	57 (2.1) ⬤	84 (1.5) ⬤
Japan	55 (1.8) ⬤	87 (1.4) ⬤
Russian Federation	48 (3.1) ⬤	82 (1.8) ⬤
Thailand	40 (2.4) ⬤	69 (2.1) ⬤
Chinese Taipei	39 (2.0) ⬤	66 (2.0) ⬤
Slovenia	37 (2.2) ⬤	68 (2.5) ⬤
Turkey	35 (1.9) ⬤	68 (2.0) ⬤
Hungary	31 (1.8) ⬤	66 (2.1) ⬤
Lebanon	28 (2.5) ⬤	60 (3.2) ⬤
Kazakhstan	27 (2.5) ⬤	61 (2.6) ⬤
Botswana (9)	23 (1.7)	49 (2.0)
New Zealand	22 (2.5)	40 (3.1) ⬤
Oman	22 (1.5)	45 (1.7)
International Avg.	22 (0.3)	48 (0.3)
Malaysia	21 (1.6)	44 (1.9) ⬤
Hong Kong SAR	21 (2.0)	50 (2.6)
Sweden	20 (2.2)	49 (3.2)
United Arab Emirates	19 (1.3) ⬤	36 (1.6) ⬤
Ireland	17 (1.6) ⬤	45 (2.2)
Australia	17 (1.5) ⬤	41 (1.9) ⬤
Chile	17 (1.6) ⬤	42 (2.6) ⬤
Kuwait	15 (2.3) ⬤	39 (2.2) ⬤
Bahrain	15 (1.5) ⬤	39 (2.3) ⬤
Qatar	14 (1.5) ⬤	37 (2.1) ⬤
Lithuania	14 (1.9) ⬤	59 (2.7) ⬤
Malta	14 (1.5) ⬤	37 (1.9) ⬤
South Africa (9)	13 (1.6) ⬤	34 (2.4) ⬤
United States	11 (1.0) ⬤	34 (1.9) ⬤
Norway (9)	11 (1.5) ⬤	42 (2.4) ⬤
England	10 (1.5) ⬤	27 (1.8) ⬤
Iran, Islamic Rep. of	9 (1.3) ⬤	27 (2.1) ⬤
Saudi Arabia	8 (1.4) ⬤	34 (2.5) ⬤
Georgia	8 (1.5) ⬤	58 (2.7) ⬤
Italy	8 (1.3) ⬤	30 (2.1) ⬤
Canada	7 (0.9) ⬤	28 (1.9) ⬤
Morocco	7 (1.0) ⬤	30 (1.5) ⬤
Egypt	7 (1.1) ⬤	21 (1.7) ⬤
Israel	7 (1.3) ⬤	23 (1.8) ⬤
Jordan	4 (0.9) ⬤	16 (1.4) ⬤
Benchmarking Participants		
Dubai, UAE	33 (2.5) ⬤	56 (2.5) ⬤
Florida, US	17 (2.1) ⬤	35 (3.0) ⬤
Abu Dhabi, UAE	13 (2.0) ⬤	26 (2.7) ⬤
Ontario, Canada	11 (1.4) ⬤	36 (2.2) ⬤
Norway (8)	7 (1.1) ⬤	32 (2.5) ⬤
Quebec, Canada	1 (0.7) ⬤	10 (2.1) ⬤
Buenos Aires, Argentina	0 (0.0) ⬤	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

S04_03 (S062106): Characteristics of young rabbits
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	90 (1.5) ▲	
Singapore	89 (1.1) ▲	
Lithuania	89 (1.5) ▲	
Ireland	87 (1.6) ▲	
Hong Kong SAR	85 (1.7) ▲	
Russian Federation	85 (1.7) ▲	
Korea, Rep. of	85 (1.5) ▲	
Canada	83 (1.3) ▲	
Hungary	83 (1.9) ▲	
England	81 (1.6) ▲	
Italy	80 (1.9) ▲	
Japan	79 (1.8) ▲	
Kazakhstan	79 (2.1) ▲	
Australia	79 (1.6) ▲	
Turkey	78 (1.7) ▲	
Sweden	78 (1.6) ▲	
New Zealand	78 (1.5) ▲	
Chile	77 (2.0) ▲	
Chinese Taipei	76 (1.6) ▲	
Iran, Islamic Rep. of	75 (1.7) □	
Norway (9)	75 (1.9) □	
Israel	74 (1.7) □	
Malta	74 (1.9) □	
Georgia	74 (2.3) □	
Thailand	74 (1.9) □	
International Avg.	73 (0.3) □	
United States	71 (1.6) □	
United Arab Emirates	67 (1.4) ▽	
Bahrain	66 (1.9) ▽	
Oman	65 (1.8) ▽	
Morocco	64 (1.4) ▽	
Malaysia	62 (1.5) ▽	
Qatar	60 (2.0) ▽	
Jordan	60 (2.0) ▽	
Saudi Arabia	59 (2.5) ▽	
Kuwait	56 (2.3) ▽	
Egypt	52 (2.1) ▽	
South Africa (9)	52 (1.7) ▽	
Botswana (9)	48 (2.0) ▽	
Lebanon	46 (2.6) ▽	
Benchmarking Participants		
Ontario, Canada	83 (1.7) ▲	
Quebec, Canada	83 (1.7) ▲	
Dubai, UAE	76 (1.9) □	
Norway (8)	74 (1.6) □	
Abu Dhabi, UAE	67 (2.2) ▽	
Buenos Aires, Argentina	64 (2.4) ▽	
Florida, US	63 (2.9) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_04 (S062064): Bones of a bird are hollow
Constructed Response (1 Point)

Country	Percent Correct
Slovenia	88 (1.7)
Singapore	85 (1.4)
Korea, Rep. of	83 (1.6)
United States	83 (1.1)
Chinese Taipei	81 (1.8)
England	79 (2.0)
Lithuania	78 (2.1)
New Zealand	78 (1.5)
Australia	78 (1.7)
Ireland	77 (1.9)
Hungary	77 (2.1)
Hong Kong SAR	74 (2.3)
Canada	73 (1.4)
Kazakhstan	73 (2.7)
Russian Federation	71 (2.2)
Turkey	71 (1.7)
Italy	68 (2.7)
Bahrain	66 (1.9)
Israel	65 (1.9)
Iran, Islamic Rep. of	62 (2.1)
United Arab Emirates	62 (1.3)
International Avg.	61 (0.3)
Sweden	61 (2.1)
Oman	60 (1.8)
Japan	60 (1.9)
Chile	58 (2.4)
Malta	55 (1.8)
Qatar	54 (2.0)
Thailand	53 (2.2)
Norway (9)	51 (2.3)
Georgia	50 (2.5)
Jordan	48 (1.9)
Kuwait	46 (2.5)
Saudi Arabia	44 (2.3)
Botswana (9)	33 (1.9)
Malaysia	33 (1.6)
Lebanon	31 (2.8)
Egypt	31 (1.7)
South Africa (9)	30 (2.0)
Morocco	22 (1.3)
Benchmarking Participants	
Ontario, Canada	77 (1.6)
Dubai, UAE	77 (1.9)
Florida, US	75 (2.9)
Quebec, Canada	63 (2.9)
Abu Dhabi, UAE	55 (2.5)
Norway (8)	46 (2.3)
Buenos Aires, Argentina	45 (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_05 (S062132): Water and tea graphs

Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	86 (1.6) ▲	
Chinese Taipei	82 (1.4) ▲	
Singapore	82 (1.3) ▲	
Malaysia	82 (1.7) ▲	
Hong Kong SAR	77 (1.7) ▲	
Korea, Rep. of	75 (1.8) ▲	
Lithuania	74 (2.0) ▲	
Sweden	73 (2.3) ▲	
Hungary	72 (2.1) ▲	
Slovenia	72 (2.3) ▲	
England	72 (1.7) ▲	
Ireland	71 (1.9) ▲	
Norway (9)	71 (1.8) ▲	
Russian Federation	71 (1.9) ▲	
Australia	71 (1.9) ▲	
New Zealand	70 (1.7) ▲	
Canada	68 (1.8) ▲	
United States	66 (1.5) ▲	
Kazakhstan	62 (2.3) ▲	
Malta	59 (2.0) ▲	
Italy	58 (2.1) ▲	
International Avg.	58 (0.3)	
Chile	53 (2.1) ▽	
United Arab Emirates	53 (1.4) ▽	
Israel	52 (2.0) ▽	
Thailand	49 (2.0) ▽	
Georgia	46 (2.6) ▽	
Bahrain	45 (2.4) ▽	
Qatar	45 (1.8) ▽	
Lebanon	44 (2.9) ▽	
South Africa (9)	40 (1.8) ▽	
Botswana (9)	38 (2.0) ▽	
Morocco	37 (1.8) ▽	
Turkey	37 (1.9) ▽	
Egypt	36 (1.8) ▽	
Saudi Arabia	34 (2.4) ▽	
Kuwait	33 (2.1) ▽	
Oman	33 (1.6) ▽	
Jordan	32 (1.7) ▽	
Iran, Islamic Rep. of	32 (1.5) ▽	
Benchmarking Participants		
Quebec, Canada	70 (3.0) ▲	
Norway (8)	68 (1.9) ▲	
Ontario, Canada	68 (2.8) ▲	
Dubai, UAE	65 (1.9) ▲	
Florida, US	50 (3.6) ▽	
Abu Dhabi, UAE	49 (2.3) ▽	
Buenos Aires, Argentina	37 (2.3) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_06 (S062163): Truck sank into the mud
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	41 (2.0) ▲	
Ireland	36 (1.9) ▲	
Japan	35 (1.7) ▲	
Turkey	35 (2.2) ▲	
Slovenia	34 (2.3) ▲	
England	34 (2.1) ▲	
Hungary	32 (2.4) ▲	
Kazakhstan	31 (2.6) ▲	
Sweden	30 (2.7) ▲	
Canada	25 (1.5) ▲	
Russian Federation	23 (2.0) ▲	
Norway (9)	23 (2.0) ▲	
Chinese Taipei	22 (1.6) ▲	
Malta	19 (1.6) ▲	
New Zealand	19 (1.6) ▲	
Korea, Rep. of	16 (1.5) ▲	
Bahrain	16 (1.5) ▲	
International Avg.	16 (0.2)	
United States	15 (1.2)	
Hong Kong SAR	14 (1.6)	
Lithuania	14 (2.1)	
Australia	13 (1.1) ▽	
United Arab Emirates	13 (1.0) ▽	
Italy	12 (1.5) ▽	
Israel	11 (1.2) ▽	
Qatar	8 (1.1) ▽	
Chile	7 (1.0) ▽	
Georgia	7 (1.3) ▽	
Malaysia	4 (1.0) ▽	
Thailand	4 (0.8) ▽	
Kuwait	4 (0.9) ▽	
Saudi Arabia	3 (1.1) ▽	
Jordan	3 (0.8) ▽	
Iran, Islamic Rep. of	3 (0.6) ▽	
Oman	3 (0.5) ▽	
Egypt	2 (0.8) ▽	
Lebanon	2 (0.7) ▽	
South Africa (9)	1 (0.4) ▽	
Morocco	1 (0.2) ▽	
Botswana (9)	1 (0.2) ▽	
Benchmarking Participants		
Ontario, Canada	30 (2.2) ▲	
Dubai, UAE	23 (2.0) ▲	
Quebec, Canada	17 (2.5)	
Norway (8)	15 (1.6)	
Florida, US	8 (1.3) ▽	
Abu Dhabi, UAE	8 (1.3) ▽	
Buenos Aires, Argentina	2 (0.7) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_07 (S062153): Flashlight on blue ball
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	65 (2.2) ⬤	
Korea, Rep. of	65 (2.0) ⬤	
Chinese Taipei	63 (1.9) ⬤	
Singapore	62 (1.7) ⬤	
Hong Kong SAR	59 (2.2) ⬤	
Japan	59 (2.1) ⬤	
New Zealand	58 (1.7) ⬤	
England	55 (2.0) ⬤	
Hungary	53 (1.9) ⬤	
Turkey	52 (1.8) ⬤	
Sweden	51 (2.1) ⬤	
United States	50 (1.6) ⬤	
Lithuania	50 (2.6)	
Norway (9)	49 (2.3)	
Israel	49 (1.7)	
Russian Federation	48 (2.3)	
Canada	47 (1.8)	
Qatar	47 (1.8)	
Kazakhstan	47 (2.7)	
Ireland	47 (1.9)	
Australia	46 (1.9)	
Georgia	46 (2.9)	
International Avg.	46 (0.3)	
United Arab Emirates	44 (1.2)	
Bahrain	42 (2.9)	
Italy	41 (2.5)	
Iran, Islamic Rep. of	39 (1.9) ⬤	
Malta	38 (2.4) ⬤	
Malaysia	37 (1.7) ⬤	
Lebanon	37 (2.9) ⬤	
Chile	37 (2.0) ⬤	
Jordan	36 (1.9) ⬤	
Botswana (9)	36 (1.9) ⬤	
Saudi Arabia	36 (2.3) ⬤	
South Africa (9)	35 (1.2) ⬤	
Oman	35 (1.7) ⬤	
Kuwait	33 (2.2) ⬤	
Egypt	33 (2.0) ⬤	
Morocco	26 (1.4) ⬤	
Thailand	25 (1.4) ⬤	
Benchmarking Participants		
Dubai, UAE	54 (2.0) ⬤	
Florida, US	51 (3.1)	
Ontario, Canada	49 (1.9)	
Quebec, Canada	48 (3.5)	
Norway (8)	47 (2.5)	
Abu Dhabi, UAE	44 (2.5)	
Buenos Aires, Argentina	24 (2.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_08 (S062018): Element, compound, mixture (DERIVED)
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Kazakhstan	40 (2.7) ⬤	54 (2.7) ⬤
Russian Federation	34 (3.2) ⬤	45 (3.1) ⬤
Chinese Taipei	32 (1.9) ⬤	60 (1.7) ⬤
Slovenia	26 (1.5) ⬤	58 (2.6) ⬤
Singapore	26 (1.7) ⬤	49 (2.0) ⬤
Hungary	19 (2.0) ⬤	40 (2.3) ⬤
Israel	17 (1.5) ⬤	32 (1.9) ⬤
United Arab Emirates	16 (0.9) ⬤	31 (1.3) ⬤
Georgia	12 (1.9)	26 (2.4)
Oman	12 (1.1)	23 (1.7)
England	11 (1.3)	26 (1.9)
Egypt	11 (1.4)	22 (1.6)
Hong Kong SAR	11 (1.4)	27 (1.7)
International Avg.	11 (0.2)	24 (0.3)
Malta	11 (1.4)	22 (1.8)
Qatar	10 (1.4)	24 (1.7)
Bahrain	10 (1.6)	22 (2.0)
United States	9 (1.0)	22 (1.3)
Japan	9 (1.2)	34 (2.0) ⬤
Turkey	9 (1.2)	23 (1.5)
Ireland	9 (1.3)	24 (1.8)
Lebanon	8 (1.4) ⬤	20 (2.3)
New Zealand	7 (0.9) ⬤	19 (1.6) ⬤
Morocco	7 (1.0) ⬤	20 (1.4) ⬤
Norway (9)	7 (1.1) ⬤	17 (1.9) ⬤
Lithuania	7 (1.2)	22 (2.3)
Australia	6 (0.8) ⬤	16 (1.4) ⬤
Thailand	6 (1.3) ⬤	16 (1.7) ⬤
Kuwait	6 (1.1) ⬤	14 (1.7) ⬤
Iran, Islamic Rep. of	6 (0.9) ⬤	13 (1.3) ⬤
Jordan	6 (0.9) ⬤	17 (1.7) ⬤
Italy	5 (1.0) ⬤	11 (1.6) ⬤
Korea, Rep. of	5 (0.8) ⬤	17 (1.5) ⬤
Canada	5 (0.7) ⬤	12 (1.2) ⬤
Sweden	5 (1.0) ⬤	12 (1.7) ⬤
Botswana (9)	4 (0.7) ⬤	11 (1.1) ⬤
Saudi Arabia	4 (1.0) ⬤	9 (1.6) ⬤
Malaysia	4 (0.7) ⬤	9 (1.0) ⬤
Chile	3 (0.8) ⬤	8 (1.2) ⬤
South Africa (9)	2 (0.6) ⬤	8 (1.0) ⬤
Benchmarking Participants		
Dubai, UAE	24 (1.8) ⬤	43 (1.6) ⬤
Abu Dhabi, UAE	12 (1.8)	24 (2.4)
Quebec, Canada	9 (1.7)	19 (2.7) ⬤
Florida, US	8 (1.3) ⬤	17 (2.3) ⬤
Norway (8)	6 (1.0) ⬤	15 (1.5) ⬤
Buenos Aires, Argentina	5 (1.3) ⬤	7 (1.3) ⬤
Ontario, Canada	3 (0.8) ⬤	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

S04_08A (S062018A): Element, compound, mixture: sugar
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	60 (1.9) ⬤	
Russian Federation	58 (2.3) ⬤	
Chinese Taipei	57 (1.8) ⬤	
Israel	55 (1.7) ⬤	
Kazakhstan	50 (2.6) ⬤	
Turkey	49 (2.0) ⬤	
United Arab Emirates	48 (1.7) ⬤	
Morocco	48 (1.7) ⬤	
Canada	47 (1.8) ⬤	
Hungary	47 (2.3)	
Australia	46 (2.1)	
Hong Kong SAR	45 (2.0)	
Thailand	45 (2.4)	
United States	45 (1.5)	
Slovenia	43 (2.3)	
Georgia	43 (2.9)	
Iran, Islamic Rep. of	42 (2.0)	
New Zealand	42 (1.9)	
International Avg.	42 (0.3)	
Oman	42 (1.8)	
Ireland	42 (1.8)	
Bahrain	41 (2.2)	
Kuwait	41 (2.2)	
Malta	41 (2.1)	
Jordan	41 (1.9)	
Italy	41 (2.1)	
England	40 (1.7)	
Egypt	39 (2.2)	
Sweden	39 (2.5)	
Qatar	38 (2.0) ⬤	
Norway (9)	37 (1.9) ⬤	
Malaysia	37 (1.4) ⬤	
Lebanon	37 (2.9)	
Chile	36 (2.3) ⬤	
Korea, Rep. of	36 (1.6) ⬤	
Japan	35 (1.9) ⬤	
Saudi Arabia	33 (2.5) ⬤	
Lithuania	33 (2.0) ⬤	
South Africa (9)	24 (1.7) ⬤	
Botswana (9)	24 (1.5) ⬤	
Benchmarking Participants		
Dubai, UAE	54 (2.6) ⬤	
Quebec, Canada	50 (2.3) ⬤	
Florida, US	46 (3.2)	
Ontario, Canada	45 (2.3)	
Abu Dhabi, UAE	42 (2.7)	
Norway (8)	33 (2.1) ⬤	
Buenos Aires, Argentina	31 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_08B (S062018B): Element, compound, mixture: iron
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	86 (1.8) ⬤	
Slovenia	82 (1.6) ⬤	
Hungary	81 (2.2) ⬤	
Thailand	79 (1.6) ⬤	
Singapore	76 (1.4) ⬤	
Chinese Taipei	74 (1.8) ⬤	
Russian Federation	74 (2.1) ⬤	
United States	74 (1.3) ⬤	
Turkey	74 (1.6) ⬤	
Sweden	72 (2.4) ⬤	
Lithuania	72 (2.5) ⬤	
New Zealand	70 (2.0) ⬤	
Norway (9)	69 (2.2) ⬤	
Israel	69 (1.9) ⬤	
United Arab Emirates	67 (1.1) ⬤	
Jordan	67 (1.7) ⬤	
England	66 (1.9) ⬤	
Japan	66 (2.1) ⬤	
Australia	65 (2.0) ⬤	
International Avg.	64 (0.3)	
Iran, Islamic Rep. of	62 (1.9) ⬤	
Korea, Rep. of	60 (1.8) ⬤	
Ireland	60 (2.4) ⬤	
Qatar	60 (2.1) ⬤	
Malta	59 (2.0) ⬤	
Italy	59 (2.5) ⬤	
Kuwait	59 (2.1) ⬤	
South Africa (9)	58 (1.6) ⬤	
Lebanon	57 (2.6) ⬤	
Bahrain	57 (2.0) ⬤	
Chile	57 (2.1) ⬤	
Egypt	56 (1.8) ⬤	
Georgia	56 (2.9) ⬤	
Oman	55 (1.8) ⬤	
Canada	54 (1.9) ⬤	
Hong Kong SAR	54 (2.2) ⬤	
Botswana (9)	53 (1.7) ⬤	
Saudi Arabia	51 (2.8) ⬤	
Morocco	51 (1.4) ⬤	
Malaysia	42 (1.8) ⬤	
Benchmarking Participants		
Dubai, UAE	74 (1.5) ⬤	
Florida, US	72 (2.4) ⬤	
Quebec, Canada	65 (3.0) ⬤	
Abu Dhabi, UAE	64 (2.5) ⬤	
Norway (8)	59 (2.3) ⬤	
Ontario, Canada	48 (2.3) ⬤	
Buenos Aires, Argentina	37 (2.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_08C (S062018C): Element, compound, mixture: air
 Multiple Choice (Key is C)

Country	Percent Correct	
Slovenia	80 (1.9) ⬤	
Chinese Taipei	73 (1.6) ⬤	
Kazakhstan	63 (2.5) ⬤	
Japan	62 (1.5) ⬤	
Singapore	62 (1.8) ⬤	
Russian Federation	61 (2.7) ⬤	
Hungary	55 (2.3) ⬤	
Georgia	53 (3.2) ⬤	
Morocco	49 (1.7) ⬤	
Israel	48 (1.9) ⬤	
Korea, Rep. of	48 (2.0) ⬤	
Hong Kong SAR	45 (2.4) ⬤	
Ireland	44 (2.1) ⬤	
Oman	44 (1.8) ⬤	
United Arab Emirates	43 (1.7) ⬤	
Lithuania	42 (2.7) ⬤	
International Avg.	40 (0.3) ⬤	
Turkey	39 (1.9) ⬤	
Lebanon	38 (2.9) ⬤	
Malta	38 (1.8) ⬤	
England	37 (2.3) ⬤	
Qatar	36 (1.9) ⬤	
Egypt	36 (2.0) ⬤	
Bahrain	36 (2.0) ⬤	
Malaysia	36 (1.9) ⬤	
Botswana (9)	31 (2.0) ⬤	
Jordan	31 (2.0) ⬤	
New Zealand	29 (2.0) ⬤	
Iran, Islamic Rep. of	28 (1.7) ⬤	
United States	28 (1.4) ⬤	
Australia	26 (1.6) ⬤	
Saudi Arabia	26 (2.6) ⬤	
Canada	25 (1.5) ⬤	
Italy	25 (2.2) ⬤	
Norway (9)	25 (1.8) ⬤	
Kuwait	25 (2.6) ⬤	
South Africa (9)	23 (1.3) ⬤	
Sweden	22 (2.4) ⬤	
Thailand	22 (1.8) ⬤	
Chile	16 (1.6) ⬤	
Benchmarking Participants		
Dubai, UAE	57 (2.3) ⬤	
Abu Dhabi, UAE	37 (3.1) ⬤	
Norway (8)	28 (2.0) ⬤	
Quebec, Canada	26 (2.9) ⬤	
Florida, US	26 (2.3) ⬤	
Ontario, Canada	24 (1.9) ⬤	
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

S04_08D (S062018D): Element, compound, mixture: sodium bicarb
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	81 (1.8) ⬤	
Chinese Taipei	71 (1.8) ⬤	
Kazakhstan	69 (2.2) ⬤	
Singapore	66 (1.7) ⬤	
Hong Kong SAR	61 (2.4) ⬤	
Japan	61 (1.8) ⬤	
Norway (9)	54 (2.1) ⬤	
Korea, Rep. of	54 (2.4) ⬤	
Hungary	53 (2.1) ⬤	
United Arab Emirates	52 (1.3) ⬤	
Russian Federation	52 (2.6) ⬤	
Israel	51 (1.8) ⬤	
Thailand	51 (2.0) ⬤	
Oman	51 (1.7) ⬤	
Jordan	50 (2.0) ⬤	
Qatar	49 (2.0) ⬤	
Egypt	48 (1.5) ⬤	
Lebanon	47 (2.3) ⬤	
International Avg.	47 (0.3) ⬤	
Kuwait	47 (2.3) ⬤	
Bahrain	47 (2.2) ⬤	
England	46 (2.2) ⬤	
Ireland	45 (2.2) ⬤	
United States	45 (1.3) ⬤	
Italy	43 (2.6) ⬤	
Lithuania	43 (2.4) ⬤	
Malta	43 (2.1) ⬤	
Morocco	41 (1.2) ⬤	
Turkey	40 (1.9) ⬤	
Saudi Arabia	40 (2.1) ⬤	
Georgia	39 (2.5) ⬤	
Malaysia	39 (1.8) ⬤	
Chile	39 (2.2) ⬤	
New Zealand	38 (2.3) ⬤	
Iran, Islamic Rep. of	37 (2.0) ⬤	
Sweden	33 (2.5) ⬤	
Canada	32 (1.5) ⬤	
South Africa (9)	30 (1.8) ⬤	
Australia	30 (1.8) ⬤	
Botswana (9)	29 (1.9) ⬤	
Benchmarking Participants		
Dubai, UAE	59 (1.8) ⬤	
Norway (8)	50 (2.3) ⬤	
Abu Dhabi, UAE	49 (2.4) ⬤	
Florida, US	45 (2.7) ⬤	
Quebec, Canada	37 (2.7) ⬤	
Ontario, Canada	29 (2.0) ⬤	
Buenos Aires, Argentina	28 (2.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_08E (S062018E): Element, compound, mixture: cobalt
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	80 (1.3) ⬤	
Kazakhstan	79 (2.6) ⬤	
Hungary	67 (2.0) ⬤	
Slovenia	67 (2.2) ⬤	
Russian Federation	64 (2.1) ⬤	
Singapore	57 (1.8) ⬤	
Lithuania	53 (2.4) ⬤	
Ireland	52 (2.4) ⬤	
United Arab Emirates	52 (1.3) ⬤	
United States	51 (1.6) ⬤	
Georgia	50 (2.8) ⬤	
Qatar	49 (2.8) ⬤	
England	48 (2.3) ⬤	
Japan	47 (2.2) ⬤	
Hong Kong SAR	45 (2.3) ⬤	
Norway (9)	44 (2.5) ⬤	
International Avg.	44 (0.3) ⬤	
Malta	43 (2.2) ⬤	
Turkey	43 (2.0) ⬤	
Australia	42 (1.6) ⬤	
Bahrain	42 (1.8) ⬤	
Israel	40 (1.8) ⬤	
Lebanon	40 (2.2) ⬤	
New Zealand	39 (2.1) ⬤	
Egypt	37 (1.8) ⬤	
Thailand	37 (2.2) ⬤	
Oman	36 (1.8) ⬤	
Kuwait	35 (2.4) ⬤	
Morocco	35 (1.5) ⬤	
Botswana (9)	34 (2.0) ⬤	
Sweden	34 (3.0) ⬤	
Saudi Arabia	33 (2.2) ⬤	
Iran, Islamic Rep. of	32 (1.8) ⬤	
South Africa (9)	32 (1.8) ⬤	
Jordan	31 (2.0) ⬤	
Chile	31 (2.1) ⬤	
Italy	30 (2.2) ⬤	
Canada	30 (1.7) ⬤	
Malaysia	26 (1.7) ⬤	
Korea, Rep. of	24 (1.8) ⬤	
Benchmarking Participants		
Dubai, UAE	60 (1.8) ⬤	
Quebec, Canada	46 (3.1) ⬤	
Abu Dhabi, UAE	45 (2.2) ⬤	
Florida, US	44 (3.0) ⬤	
Norway (8)	35 (2.2) ⬤	
Buenos Aires, Argentina	27 (2.6) ⬤	
Ontario, Canada	23 (2.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_09 (S062143): Heating water in test tube
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	37 (2.6)	
Chinese Taipei	32 (1.7)	
Ireland	29 (2.1)	
Japan	28 (1.9)	
Singapore	26 (1.6)	
Norway (9)	24 (1.8)	
Sweden	22 (2.4)	
Korea, Rep. of	21 (1.9)	
New Zealand	20 (1.4)	
Canada	20 (1.3)	
Russian Federation	20 (2.3)	
Hungary	16 (1.5)	
United States	16 (1.1)	
Bahrain	16 (1.4)	
Qatar	14 (1.3)	
International Avg.	13 (0.2)	
Morocco	13 (0.8)	
Turkey	13 (1.2)	
Australia	12 (1.2)	
England	12 (1.4)	
Oman	12 (1.4)	
Slovenia	10 (1.4)	
Israel	9 (1.1)	
Lithuania	9 (1.4)	
United Arab Emirates	9 (0.7)	
Italy	8 (1.3)	
Georgia	8 (1.5)	
Malaysia	8 (0.9)	
Saudi Arabia	8 (1.3)	
Kuwait	7 (1.1)	
Hong Kong SAR	7 (1.2)	
Iran, Islamic Rep. of	7 (0.9)	
Malta	7 (1.0)	
Lebanon	6 (1.1)	
Jordan	4 (1.0)	
South Africa (9)	3 (0.5)	
Chile	2 (0.6)	
Thailand	2 (0.6)	
Botswana (9)	2 (0.5)	
Egypt	1 (0.4)	
Benchmarking Participants		
Ontario, Canada	24 (1.8)	
Norway (8)	21 (1.6)	
Dubai, UAE	13 (1.7)	
Quebec, Canada	12 (1.6)	
Florida, US	9 (2.0)	
Abu Dhabi, UAE	8 (1.2)	
Buenos Aires, Argentina	5 (1.1)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_10 (S062276): Iron object changes color
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Kazakhstan	57 (2.6)	
Chinese Taipei	52 (1.8)	
Japan	51 (2.2)	
Iran, Islamic Rep. of	45 (2.4)	
Malaysia	43 (1.7)	
Russian Federation	42 (2.2)	
United States	42 (1.4)	
Slovenia	41 (2.1)	
Singapore	39 (2.0)	
Hungary	39 (2.1)	
Bahrain	39 (2.0)	
Canada	37 (1.8)	
Malta	37 (2.1)	
United Arab Emirates	37 (1.6)	
Turkey	34 (2.1)	
England	34 (1.9)	
Lithuania	33 (2.2)	
Lebanon	33 (2.5)	
New Zealand	32 (2.1)	
Kuwait	32 (2.3)	
International Avg.	30 (0.3)	
Israel	29 (1.8)	
Qatar	28 (1.8)	
Jordan	26 (1.7)	
Korea, Rep. of	25 (1.7)	
Hong Kong SAR	24 (2.3)	
Saudi Arabia	24 (2.3)	
Norway (9)	23 (2.2)	
Oman	22 (1.4)	
Thailand	22 (1.8)	
Sweden	21 (2.0)	
Ireland	20 (1.8)	
Georgia	19 (1.9)	
South Africa (9)	17 (1.4)	
Australia	16 (1.2)	
Italy	14 (1.7)	
Botswana (9)	12 (1.2)	
Chile	11 (1.4)	
Egypt	11 (1.4)	
Morocco	7 (0.8)	
Benchmarking Participants		
Quebec, Canada	48 (3.7)	
Dubai, UAE	48 (1.8)	
Florida, US	36 (2.4)	
Ontario, Canada	32 (2.1)	
Abu Dhabi, UAE	30 (2.9)	
Norway (8)	25 (2.1)	
Buenos Aires, Argentina	9 (1.4)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S04_11 (S062050): Cabbage juice pH indicators
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	59 (2.0)	
Japan	49 (2.2)	
Korea, Rep. of	49 (2.2)	
Ireland	42 (2.3)	
England	41 (2.1)	
Chinese Taipei	41 (2.1)	
United States	39 (1.6)	
Hong Kong SAR	38 (2.8)	
Russian Federation	38 (2.5)	
Kazakhstan	37 (3.0)	
New Zealand	37 (1.6)	
Israel	34 (2.0)	
Canada	32 (1.4)	
Hungary	28 (2.2)	
Australia	27 (1.8)	
Slovenia	27 (2.1)	
United Arab Emirates	27 (1.4)	
International Avg.	26 (0.3)	
Bahrain	26 (2.0)	
Lithuania	23 (2.0)	
Norway (9)	23 (1.6)	
Malta	22 (2.0)	
Sweden	22 (2.3)	
Qatar	21 (1.5)	
Italy	19 (2.0)	
Turkey	18 (1.9)	
Georgia	17 (1.8)	
South Africa (9)	16 (1.4)	
Lebanon	16 (1.8)	
Botswana (9)	15 (1.4)	
Oman	15 (1.3)	
Thailand	14 (1.4)	
Iran, Islamic Rep. of	14 (1.2)	
Kuwait	14 (1.4)	
Malaysia	14 (1.2)	
Jordan	13 (1.6)	
Chile	12 (1.4)	
Saudi Arabia	11 (1.4)	
Morocco	8 (0.7)	
Egypt	4 (0.6)	
Benchmarking Participants		
Dubai, UAE	43 (2.3)	
Ontario, Canada	34 (2.1)	
Florida, US	32 (2.9)	
Quebec, Canada	28 (2.3)	
Norway (8)	21 (1.9)	
Abu Dhabi, UAE	20 (2.5)	
Buenos Aires, Argentina	6 (1.2)	

Percent significantly higher than international average

Percent significantly lower 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 (S062205): Gases in Earth's atmosphere
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	76 (1.7) ⬤	
Chinese Taipei	72 (1.8) ⬤	
Korea, Rep. of	70 (1.9) ⬤	
Kazakhstan	69 (2.5) ⬤	
Slovenia	61 (2.0) ⬤	
Singapore	59 (1.7) ⬤	
Hong Kong SAR	53 (2.5) ⬤	
Bahrain	52 (1.8) ⬤	
Russian Federation	51 (2.8) ⬤	
Ireland	46 (2.5) ⬤	
Malaysia	45 (1.7) ⬤	
Morocco	44 (1.6) ⬤	
United Arab Emirates	44 (1.4) ⬤	
Qatar	44 (1.9) ⬤	
Georgia	43 (2.7) ⬤	
Jordan	42 (2.4) ⬤	
Lithuania	41 (2.5) ⬤	
Hungary	39 (2.1) ⬤	
International Avg.	39 (0.3) ⬤	
Israel	38 (1.7) ⬤	
Italy	37 (2.4) ⬤	
Lebanon	35 (2.5) ⬤	
Iran, Islamic Rep. of	35 (1.8) ⬤	
Kuwait	34 (2.6) ⬤	
Oman	32 (1.7) ⬤	
Sweden	31 (2.3) ⬤	
England	31 (2.5) ⬤	
Egypt	30 (2.1) ⬤	
United States	30 (1.4) ⬤	
Thailand	28 (2.4) ⬤	
Norway (9)	28 (2.3) ⬤	
Turkey	24 (1.9) ⬤	
Malta	22 (1.7) ⬤	
New Zealand	21 (1.8) ⬤	
Botswana (9)	21 (1.7) ⬤	
Canada	21 (1.2) ⬤	
Chile	20 (2.1) ⬤	
Saudi Arabia	19 (1.6) ⬤	
Australia	18 (1.1) ⬤	
South Africa (9)	10 (1.4) ⬤	
Benchmarking Participants		
Dubai, UAE	54 (1.8) ⬤	
Abu Dhabi, UAE	36 (2.7) ⬤	
Quebec, Canada	32 (2.4) ⬤	
Norway (8)	27 (2.1) ⬤	
Florida, US	25 (2.5) ⬤	
Buenos Aires, Argentina	20 (2.2) ⬤	
Ontario, Canada	15 (1.5) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_13 (S062190): Disadvantage of solar energy
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	87 (1.4) ▲	
Hong Kong SAR	86 (1.7) ▲	
Chinese Taipei	83 (1.5) ▲	
Singapore	79 (1.4) ▲	
United States	77 (1.2) ▲	
Australia	77 (1.7) ▲	
Canada	76 (1.6) ▲	
Ireland	74 (1.8) ▲	
New Zealand	73 (2.0) ▲	
Hungary	71 (2.0) ▲	
Norway (9)	70 (2.0) ▲	
Sweden	70 (2.3) ▲	
England	69 (2.5) ▲	
Slovenia	69 (2.2) ▲	
Lithuania	68 (2.4) ▲	
Russian Federation	66 (1.9) ▲	
Italy	63 (2.4) ▲	
Malta	62 (2.4) ▲	
Korea, Rep. of	59 (1.7)	
International Avg.	57 (0.3)	
Kazakhstan	56 (2.7)	
United Arab Emirates	54 (1.3) ▽	
Chile	54 (2.1)	
Botswana (9)	52 (1.8) ▽	
Israel	51 (1.9) ▽	
Bahrain	47 (2.5) ▽	
Georgia	47 (2.7) ▽	
Malaysia	46 (2.1) ▽	
Thailand	45 (2.1) ▽	
Jordan	43 (1.9) ▽	
Qatar	43 (2.0) ▽	
Oman	40 (1.8) ▽	
Morocco	36 (1.2) ▽	
Kuwait	36 (2.5) ▽	
South Africa (9)	36 (1.6) ▽	
Egypt	36 (1.7) ▽	
Saudi Arabia	34 (2.2) ▽	
Iran, Islamic Rep. of	33 (1.8) ▽	
Turkey	31 (1.9) ▽	
Lebanon	25 (2.1) ▽	
Benchmarking Participants		
Ontario, Canada	80 (2.0) ▲	
Florida, US	70 (3.0) ▲	
Quebec, Canada	68 (2.2) ▲	
Dubai, UAE	63 (1.8) ▲	
Norway (8)	62 (2.5)	
Abu Dhabi, UAE	50 (2.7) ▽	
Buenos Aires, Argentina	44 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S04_14A (S062024A): Forming layered rock
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	80 (1.6) ▲	
Thailand	73 (2.0) ▲	
England	71 (2.3) ▲	
Iran, Islamic Rep. of	70 (1.7) ▲	
United States	65 (1.5) ▲	
Australia	63 (2.2) ▲	
Ireland	62 (2.3) ▲	
Chinese Taipei	62 (2.0) ▲	
Bahrain	59 (2.1) ▲	
Hungary	59 (2.3) ▲	
Japan	57 (1.9) ▲	
Malta	55 (2.1) ▲	
Canada	54 (2.2) ▲	
Singapore	54 (1.4) ▲	
Lithuania	54 (2.6) ▲	
United Arab Emirates	53 (1.6) ▲	
Oman	52 (1.6) ▲	
Kuwait	51 (2.5)	
Slovenia	51 (2.4)	
Qatar	50 (2.0)	
Italy	49 (1.9)	
International Avg.	48 (0.3)	
Jordan	45 (1.6) ▽	
Saudi Arabia	43 (2.4) ▽	
New Zealand	43 (2.1) ▽	
Hong Kong SAR	43 (2.2) ▽	
Turkey	43 (2.2) ▽	
Russian Federation	41 (2.3) ▽	
Chile	39 (2.6) ▽	
Kazakhstan	39 (2.9) ▽	
Sweden	39 (2.7) ▽	
Egypt	38 (1.9) ▽	
Malaysia	36 (1.8) ▽	
Morocco	35 (1.5) ▽	
Lebanon	34 (2.8) ▽	
Norway (9)	32 (1.8) ▽	
South Africa (9)	31 (1.6) ▽	
Israel	29 (1.8) ▽	
Georgia	20 (2.1) ▽	
Botswana (9)	16 (1.5) ▽	
Benchmarking Participants		
Florida, US	68 (2.6) ▲	
Quebec, Canada	67 (3.2) ▲	
Dubai, UAE	58 (2.5) ▲	
Ontario, Canada	48 (2.9)	
Abu Dhabi, UAE	46 (2.3)	
Norway (8)	30 (2.5) ▽	
Buenos Aires, Argentina	25 (2.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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_14B (S062024B): Shaping rock formations
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	42 (2.2) ⬤	
Japan	39 (2.0) ⬤	
Ireland	37 (1.8) ⬤	
Hungary	33 (2.2) ⬤	
England	31 (1.9) ⬤	
Malta	30 (1.9) ⬤	
Chinese Taipei	29 (1.6) ⬤	
United States	29 (1.3) ⬤	
Sweden	28 (2.3) ⬤	
Russian Federation	24 (2.2) ⬤	
Australia	23 (1.6) ⬤	
Hong Kong SAR	21 (1.9) ⬤	
New Zealand	21 (1.8) ⬤	
Canada	21 (1.4) ⬤	
Kazakhstan	21 (1.9) ⬤	
Slovenia	21 (2.0) ⬤	
Lithuania	21 (2.3) ⬤	
Bahrain	20 (1.5) ⬤	
International Avg.	18 (0.3) ⬤	
Oman	18 (1.4) ⬤	
Norway (9)	18 (1.7) ⬤	
Singapore	17 (1.6) ⬤	
Thailand	17 (1.6) ⬤	
Turkey	13 (1.2) ⬤	
Israel	12 (1.4) ⬤	
Italy	11 (1.4) ⬤	
Chile	11 (1.3) ⬤	
Malaysia	11 (0.9) ⬤	
United Arab Emirates	11 (0.8) ⬤	
Qatar	10 (1.0) ⬤	
Georgia	10 (1.8) ⬤	
South Africa (9)	9 (1.2) ⬤	
Kuwait	8 (1.7) ⬤	
Egypt	7 (0.9) ⬤	
Jordan	7 (1.0) ⬤	
Iran, Islamic Rep. of	6 (1.0) ⬤	
Lebanon	5 (1.0) ⬤	
Morocco	5 (0.7) ⬤	
Saudi Arabia	3 (0.9) ⬤	
Botswana (9)	2 (0.5) ⬤	
Benchmarking Participants		
Florida, US	27 (2.3) ⬤	
Ontario, Canada	25 (2.0) ⬤	
Norway (8)	17 (2.0) ⬤	
Dubai, UAE	16 (1.5) ⬤	
Quebec, Canada	12 (1.7) ⬤	
Abu Dhabi, UAE	9 (1.4) ⬤	
Buenos Aires, Argentina	4 (0.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_01 (S042053): Vaccinate people against influenza
 Multiple Choice (Key is C)

Country	Percent Correct	
Chinese Taipei	95 (0.8)	
Italy	93 (1.0)	
Hong Kong SAR	93 (1.0)	
Norway (9)	88 (1.5)	
Thailand	88 (1.3)	
Korea, Rep. of	85 (1.4)	
Hungary	85 (1.7)	
Japan	84 (1.5)	
Sweden	83 (1.8)	
Russian Federation	80 (2.1)	
Israel	80 (1.3)	
England	79 (1.8)	
Singapore	77 (1.5)	
Canada	74 (1.6)	
Slovenia	73 (2.1)	
United States	73 (1.4)	
Ireland	73 (1.9)	
Iran, Islamic Rep. of	72 (1.8)	
Bahrain	70 (2.1)	
International Avg.	68 (0.3)	
Kazakhstan	68 (2.4)	
Australia	65 (1.8)	
Lithuania	64 (2.4)	
Chile	63 (2.7)	
Qatar	63 (1.5)	
Georgia	61 (2.6)	
Malta	61 (1.8)	
New Zealand	60 (2.0)	
Lebanon	59 (2.8)	
Malaysia	59 (2.1)	
United Arab Emirates	58 (1.3)	
Turkey	54 (2.2)	
Saudi Arabia	53 (2.2)	
Morocco	53 (1.7)	
Jordan	50 (2.0)	
Kuwait	49 (2.3)	
Botswana (9)	48 (1.9)	
Oman	46 (1.8)	
Egypt	35 (2.0)	
South Africa (9)	24 (1.7)	
Benchmarking Participants		
Quebec, Canada	84 (2.0)	
Norway (8)	83 (2.3)	
Dubai, UAE	73 (1.8)	
Ontario, Canada	71 (2.3)	
Florida, US	70 (3.1)	
Buenos Aires, Argentina	58 (2.6)	
Abu Dhabi, UAE	53 (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_02 (S042408): Birds can't survive without plants Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	69 (1.7)
Kazakhstan	54 (2.4)
Singapore	52 (1.8)
United States	51 (1.6)
Russian Federation	50 (2.2)
Chinese Taipei	48 (2.1)
England	48 (2.5)
Turkey	45 (2.2)
Canada	43 (1.8)
Norway (9)	42 (2.2)
Japan	42 (1.9)
Iran, Islamic Rep. of	42 (2.4)
Lithuania	41 (2.6)
Israel	40 (1.7)
New Zealand	40 (2.0)
Sweden	40 (2.5)
Hong Kong SAR	37 (2.5)
Slovenia	36 (2.4)
Ireland	36 (2.3)
Bahrain	36 (1.8)
Oman	35 (1.6)
International Avg.	35 (0.3)
United Arab Emirates	33 (1.2)
Malta	33 (1.9)
Hungary	32 (2.3)
Qatar	31 (2.5)
Morocco	31 (1.4)
Australia	31 (1.6)
Jordan	30 (2.0)
Georgia	30 (2.6)
Kuwait	25 (2.0)
Saudi Arabia	22 (2.4)
Malaysia	22 (1.4)
Italy	20 (1.8)
Egypt	18 (1.6)
Chile	17 (2.1)
South Africa (9)	17 (1.8)
Thailand	17 (1.7)
Lebanon	14 (1.4)
Botswana (9)	12 (1.1)
Benchmarking Participants	
Florida, US	48 (3.1)
Ontario, Canada	47 (2.5)
Dubai, UAE	44 (2.0)
Norway (8)	40 (1.9)
Quebec, Canada	32 (2.2)
Abu Dhabi, UAE	30 (2.3)
Buenos Aires, Argentina	21 (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_03 (S042015): Function of the cell membrane
 Multiple Choice (Key is D)

Country	Percent Correct	
Singapore	84 (1.2)	
Chinese Taipei	75 (1.7)	
Slovenia	68 (2.1)	
Canada	66 (1.9)	
Korea, Rep. of	64 (2.3)	
Iran, Islamic Rep. of	62 (2.4)	
Qatar	62 (1.8)	
Botswana (9)	62 (1.6)	
Israel	62 (2.0)	
Thailand	56 (2.1)	
Kazakhstan	55 (2.7)	
Lithuania	55 (2.7)	
Malta	55 (2.1)	
Norway (9)	54 (2.5)	
Bahrain	54 (1.8)	
England	54 (2.0)	
Hong Kong SAR	53 (2.8)	
Oman	53 (1.8)	
United Arab Emirates	53 (1.5)	
United States	53 (1.6)	
Australia	53 (1.8)	
Russian Federation	51 (2.4)	
International Avg.	50 (0.3)	
New Zealand	50 (2.1)	
Ireland	50 (1.9)	
Malaysia	49 (1.6)	
South Africa (9)	46 (1.9)	
Turkey	45 (2.2)	
Hungary	45 (2.2)	
Japan	44 (1.8)	
Georgia	43 (2.8)	
Italy	42 (2.4)	
Lebanon	40 (2.9)	
Egypt	34 (2.0)	
Jordan	33 (1.8)	
Kuwait	32 (2.1)	
Chile	32 (2.3)	
Saudi Arabia	29 (2.3)	
Sweden	28 (2.3)	
Morocco	20 (1.0)	
Benchmarking Participants		
Ontario, Canada	67 (2.4)	
Quebec, Canada	66 (3.4)	
Dubai, UAE	64 (2.5)	
Norway (8)	55 (2.4)	
Abu Dhabi, UAE	51 (2.4)	
Florida, US	48 (2.5)	
Buenos Aires, Argentina	36 (2.4)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_04 (S042309): Giraffes with short and long necks
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hungary	68 (1.9) ⬤	
Chinese Taipei	59 (2.0) ⬤	
Kazakhstan	58 (2.5) ⬤	
Malaysia	58 (1.6) ⬤	
Slovenia	57 (2.2) ⬤	
Iran, Islamic Rep. of	56 (2.0) ⬤	
United States	54 (1.5) ⬤	
England	54 (2.4) ⬤	
Israel	53 (1.9) ⬤	
Australia	52 (1.7) ⬤	
Russian Federation	51 (2.5) ⬤	
Canada	51 (1.9) ⬤	
Italy	51 (2.6)	
Lithuania	50 (3.0)	
Norway (9)	50 (2.5)	
New Zealand	49 (1.8)	
Ireland	48 (2.2)	
Morocco	48 (1.5)	
Singapore	47 (1.7)	
Jordan	47 (1.8)	
United Arab Emirates	47 (1.3)	
Bahrain	47 (2.2)	
International Avg.	46 (0.3)	
Oman	45 (1.5)	
Saudi Arabia	44 (2.2)	
Sweden	43 (2.9)	
Qatar	43 (2.2)	
Turkey	41 (2.1) ⬤	
Georgia	40 (2.2) ⬤	
Malta	40 (2.0) ⬤	
Hong Kong SAR	38 (2.5) ⬤	
Chile	37 (2.0) ⬤	
Egypt	37 (1.8) ⬤	
Korea, Rep. of	35 (1.9) ⬤	
Kuwait	34 (2.4) ⬤	
Botswana (9)	34 (1.9) ⬤	
South Africa (9)	34 (1.3) ⬤	
Thailand	32 (1.6) ⬤	
Lebanon	30 (2.0) ⬤	
Japan	26 (2.0) ⬤	
Benchmarking Participants		
Florida, US	53 (2.8) ⬤	
Norway (8)	51 (2.4) ⬤	
Ontario, Canada	50 (2.5)	
Dubai, UAE	49 (1.8)	
Quebec, Canada	49 (2.2)	
Abu Dhabi, UAE	45 (2.4)	
Buenos Aires, Argentina	35 (2.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_05A (S042049A): Population of rabbits and lynxes
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	93 (0.8)	
Japan	92 (1.1)	
Korea, Rep. of	91 (1.0)	
Ireland	90 (1.4)	
England	90 (1.6)	
Slovenia	88 (1.6)	
Hong Kong SAR	86 (1.8)	
Hungary	82 (1.5)	
Canada	82 (1.4)	
New Zealand	82 (1.4)	
United States	82 (1.3)	
Israel	81 (1.8)	
Australia	79 (1.4)	
Lithuania	77 (1.7)	
Sweden	77 (2.3)	
Turkey	75 (2.1)	
Russian Federation	73 (2.4)	
Malta	73 (1.7)	
Chinese Taipei	73 (1.5)	
Norway (9)	72 (1.8)	
Italy	72 (2.3)	
Chile	70 (2.3)	
United Arab Emirates	68 (1.2)	
International Avg.	68 (0.3)	
Qatar	67 (1.8)	
Bahrain	64 (1.9)	
Malaysia	63 (2.0)	
Kazakhstan	60 (2.7)	
Georgia	57 (2.6)	
Oman	54 (2.0)	
Jordan	52 (2.0)	
Botswana (9)	52 (2.0)	
Thailand	49 (2.0)	
Iran, Islamic Rep. of	49 (2.1)	
Kuwait	48 (2.3)	
Morocco	46 (1.5)	
South Africa (9)	43 (2.1)	
Saudi Arabia	39 (2.3)	
Egypt	27 (1.5)	
Lebanon	26 (3.1)	
Benchmarking Participants		
Ontario, Canada	83 (2.1)	
Quebec, Canada	81 (2.3)	
Dubai, UAE	79 (1.8)	
Florida, US	79 (2.9)	
Norway (8)	69 (1.9)	
Abu Dhabi, UAE	66 (2.5)	
Buenos Aires, Argentina	37 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_05B (S042049B): Number of lynxes in 1996 vs 2004
 Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	78 (1.5)	
Canada	73 (1.4)	
United States	73 (1.5)	
Chinese Taipei	72 (1.7)	
Hungary	70 (2.0)	
Korea, Rep. of	70 (1.8)	
Ireland	70 (1.8)	
Hong Kong SAR	68 (2.4)	
Lithuania	66 (2.5)	
Sweden	66 (2.7)	
England	66 (2.4)	
Slovenia	65 (2.2)	
New Zealand	60 (2.2)	
Australia	58 (1.9)	
Russian Federation	55 (2.7)	
Malta	50 (1.8)	
Turkey	50 (2.1)	
Norway (9)	48 (1.9)	
Italy	47 (2.6)	
International Avg.	44 (0.3)	
Georgia	44 (2.5)	
Israel	42 (1.9)	
Japan	40 (2.2)	
Chile	40 (2.1)	
Iran, Islamic Rep. of	35 (2.1)	
Oman	34 (2.0)	
Malaysia	34 (1.8)	
United Arab Emirates	33 (1.3)	
Bahrain	32 (2.7)	
Qatar	31 (2.2)	
Kazakhstan	31 (2.2)	
Thailand	24 (1.5)	
Jordan	20 (1.7)	
Kuwait	16 (1.6)	
Morocco	15 (1.0)	
South Africa (9)	15 (1.7)	
Saudi Arabia	13 (1.8)	
Botswana (9)	11 (1.4)	
Egypt	6 (0.8)	
Lebanon	6 (1.2)	
Benchmarking Participants		
Ontario, Canada	76 (1.6)	
Quebec, Canada	71 (2.4)	
Florida, US	69 (3.3)	
Dubai, UAE	50 (1.8)	
Norway (8)	43 (2.0)	
Abu Dhabi, UAE	27 (2.5)	
Buenos Aires, Argentina	20 (2.1)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_06 (S042182): Type of energy compressed spring
 Multiple Choice (Key is C)

Country	Percent Correct
Singapore	90 (1.1)
Italy	90 (1.3)
Lithuania	89 (1.4)
Hungary	89 (1.3)
Malaysia	85 (1.5)
Russian Federation	85 (2.1)
Hong Kong SAR	83 (1.7)
Australia	83 (1.7)
Korea, Rep. of	83 (1.8)
United States	82 (1.2)
Kazakhstan	82 (2.1)
Iran, Islamic Rep. of	80 (1.5)
Slovenia	79 (1.9)
Chile	78 (1.7)
Ireland	77 (2.1)
New Zealand	76 (2.1)
Georgia	73 (2.4)
England	72 (2.1)
Canada	72 (1.7)
Turkey	70 (1.8)
International Avg.	68 (0.3)
Chinese Taipei	68 (1.6)
Malta	67 (2.1)
Thailand	66 (2.0)
Israel	62 (1.8)
Lebanon	62 (2.7)
Norway (9)	61 (2.4)
Bahrain	60 (2.6)
United Arab Emirates	60 (1.3)
Jordan	57 (2.1)
Morocco	56 (1.7)
Qatar	53 (1.9)
Kuwait	52 (2.1)
Egypt	51 (1.9)
Botswana (9)	50 (1.9)
Japan	49 (2.1)
South Africa (9)	47 (1.5)
Saudi Arabia	42 (2.4)
Sweden	41 (2.5)
Oman	35 (1.8)
Benchmarking Participants	
Florida, US	87 (2.0)
Ontario, Canada	73 (2.2)
Dubai, UAE	71 (1.6)
Quebec, Canada	71 (3.1)
Buenos Aires, Argentina	68 (2.6)
Norway (8)	58 (2.2)
Abu Dhabi, UAE	58 (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_07 (S042402): Heat flow in metal cubes
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	54 (2.0) ⬤	
Chinese Taipei	54 (1.9) ⬤	
Turkey	51 (2.4) ⬤	
Korea, Rep. of	46 (2.4) ⬤	
Russian Federation	45 (2.1) ⬤	
Kazakhstan	43 (2.8) ⬤	
Israel	30 (1.8) ⬤	
Slovenia	27 (2.2) ⬤	
Bahrain	26 (1.9) ⬤	
Oman	26 (1.3) ⬤	
Hungary	25 (1.8) ⬤	
Hong Kong SAR	25 (2.3) ⬤	
England	24 (1.8) ⬤	
Japan	22 (1.5) ⬤	
International Avg.	22 (0.3)	
United States	22 (1.2) ⬤	
Qatar	21 (1.4) ⬤	
Norway (9)	19 (1.7) ⬤	
Lithuania	19 (1.8) ⬤	
Chile	19 (1.8) ⬤	
Thailand	19 (1.6) ⬤	
Georgia	18 (2.0) ⬤	
Italy	17 (1.9) ⬤	
United Arab Emirates	17 (0.9) ⬤	
Saudi Arabia	16 (1.7) ⬤	
Canada	15 (1.3) ⬤	
Jordan	15 (1.5) ⬤	
Sweden	14 (1.6) ⬤	
New Zealand	13 (1.3) ⬤	
Iran, Islamic Rep. of	13 (1.6) ⬤	
Australia	12 (1.1) ⬤	
Egypt	11 (1.2) ⬤	
Kuwait	11 (1.3) ⬤	
Lebanon	10 (1.9) ⬤	
Malta	9 (1.3) ⬤	
Morocco	8 (0.9) ⬤	
Ireland	8 (1.1) ⬤	
Malaysia	8 (0.8) ⬤	
Botswana (9)	8 (1.1) ⬤	
South Africa (9)	4 (0.6) ⬤	
Benchmarking Participants		
Florida, US	31 (3.3) ⬤	
Dubai, UAE	25 (1.5) ⬤	
Ontario, Canada	16 (1.6) ⬤	
Quebec, Canada	15 (2.1) ⬤	
Abu Dhabi, UAE	13 (1.5) ⬤	
Norway (8)	13 (1.4) ⬤	
Buenos Aires, Argentina	7 (1.2) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_08A (S042228A): Volume of the neck chain
 Constructed Response (1 Point)**

Country	Percent Correct
Japan	46 (2.0)
Singapore	45 (1.8)
Hong Kong SAR	39 (2.6)
Russian Federation	31 (2.6)
Slovenia	29 (2.1)
United States	28 (1.6)
Ireland	28 (2.1)
Sweden	27 (2.3)
Chinese Taipei	26 (1.5)
Kazakhstan	26 (2.4)
Malta	26 (1.7)
Korea, Rep. of	25 (2.0)
Lithuania	24 (2.1)
Turkey	24 (2.0)
Israel	23 (1.8)
Canada	22 (1.5)
Norway (9)	21 (1.7)
Bahrain	19 (1.5)
New Zealand	17 (2.0)
International Avg.	17 (0.3)
Hungary	17 (1.9)
England	16 (1.8)
Iran, Islamic Rep. of	15 (1.7)
Italy	13 (1.5)
Australia	13 (1.2)
Georgia	10 (1.6)
Oman	9 (1.1)
United Arab Emirates	9 (0.9)
Qatar	8 (1.0)
Lebanon	8 (1.3)
Thailand	4 (0.8)
Saudi Arabia	4 (1.0)
Jordan	4 (0.8)
Malaysia	4 (0.8)
Kuwait	4 (1.0)
Chile	3 (0.6)
Egypt	3 (0.7)
Botswana (9)	3 (0.5)
Morocco	2 (0.4)
South Africa (9)	2 (0.6)
Benchmarking Participants	
Florida, US	24 (3.9)
Quebec, Canada	23 (2.3)
Ontario, Canada	21 (2.2)
Dubai, UAE	15 (1.8)
Norway (8)	14 (1.5)
Abu Dhabi, UAE	8 (1.4)
Buenos Aires, Argentina	2 (0.6)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_08B (S042228B): Complete table 3 with percent gold
 Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	83 (1.2)	
Japan	81 (1.6)	
Korea, Rep. of	78 (2.0)	
Chinese Taipei	74 (1.6)	
Slovenia	73 (2.1)	
England	73 (1.8)	
Hungary	71 (1.9)	
Hong Kong SAR	71 (2.4)	
Ireland	70 (2.0)	
New Zealand	66 (1.8)	
United States	66 (1.5)	
Russian Federation	65 (2.3)	
Lithuania	65 (2.1)	
Norway (9)	64 (2.3)	
Australia	64 (1.9)	
Canada	64 (1.9)	
Italy	61 (2.4)	
Malaysia	58 (1.9)	
Malta	58 (1.8)	
Israel	52 (2.4)	
Kazakhstan	52 (2.5)	
Sweden	52 (2.5)	
International Avg.	52 (0.3)	
United Arab Emirates	50 (1.2)	
Turkey	50 (2.5)	
Chile	47 (2.5)	
Bahrain	44 (1.9)	
Qatar	43 (2.4)	
Thailand	39 (2.0)	
Iran, Islamic Rep. of	38 (2.1)	
Botswana (9)	33 (1.9)	
Oman	33 (1.6)	
South Africa (9)	28 (1.8)	
Jordan	26 (1.8)	
Lebanon	26 (2.3)	
Kuwait	23 (2.1)	
Saudi Arabia	20 (2.2)	
Georgia	19 (2.1)	
Egypt	16 (1.5)	
Morocco	16 (1.0)	
Benchmarking Participants		
Quebec, Canada	66 (3.5)	
Dubai, UAE	66 (1.9)	
Ontario, Canada	62 (2.2)	
Florida, US	61 (3.3)	
Norway (8)	52 (2.6)	
Abu Dhabi, UAE	46 (2.2)	
Buenos Aires, Argentina	13 (1.4)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_08C (S042228C): Neck chain with most gold
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	75 (1.5)	
Chinese Taipei	70 (1.6)	
Japan	67 (1.8)	
Hong Kong SAR	65 (2.5)	
Ireland	62 (2.3)	
Korea, Rep. of	58 (2.2)	
England	58 (2.5)	
Canada	56 (2.0)	
Hungary	52 (1.9)	
United States	51 (1.6)	
Malta	51 (1.9)	
Australia	48 (2.2)	
Lithuania	48 (2.6)	
Russian Federation	48 (2.7)	
Norway (9)	45 (2.6)	
New Zealand	44 (1.8)	
Slovenia	40 (1.9)	
Kazakhstan	38 (2.8)	
Israel	38 (2.1)	
Sweden	36 (2.5)	
Malaysia	35 (1.6)	
International Avg.	34 (0.3)	
Italy	34 (2.4)	
United Arab Emirates	34 (1.2)	
Qatar	24 (1.8)	
Turkey	20 (1.9)	
Bahrain	19 (2.4)	
Oman	16 (1.3)	
Thailand	14 (1.6)	
Lebanon	14 (1.8)	
South Africa (9)	12 (1.3)	
Georgia	11 (1.5)	
Botswana (9)	11 (1.2)	
Iran, Islamic Rep. of	9 (1.3)	
Kuwait	9 (1.3)	
Jordan	8 (1.0)	
Saudi Arabia	8 (1.3)	
Egypt	7 (0.9)	
Chile	7 (1.1)	
Morocco	6 (0.8)	
Benchmarking Participants		
Ontario, Canada	55 (2.5)	
Quebec, Canada	55 (3.1)	
Dubai, UAE	48 (1.9)	
Florida, US	42 (3.5)	
Norway (8)	36 (2.3)	
Abu Dhabi, UAE	28 (1.8)	
Buenos Aires, Argentina	3 (0.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_09 (S042126): Gas increasing in atmosphere
 Multiple Choice (Key is A)

Country	Percent Correct
Hong Kong SAR	92 (1.4)
Japan	88 (1.4)
Chinese Taipei	86 (1.6)
Singapore	84 (1.3)
England	82 (1.4)
Australia	81 (1.3)
Ireland	81 (1.8)
Korea, Rep. of	79 (1.7)
Sweden	79 (3.0)
Hungary	77 (2.0)
Malta	77 (1.8)
Norway (9)	76 (1.9)
New Zealand	75 (2.1)
Russian Federation	74 (1.9)
United States	74 (1.2)
Kazakhstan	74 (2.5)
Canada	74 (1.5)
Italy	71 (2.3)
Slovenia	68 (2.1)
International Avg.	67 (0.3)
Chile	67 (2.3)
Thailand	66 (1.9)
Lithuania	66 (2.7)
Malaysia	64 (1.7)
Turkey	63 (2.0)
United Arab Emirates	61 (1.3)
Lebanon	61 (2.5)
Israel	59 (1.8)
Qatar	59 (2.3)
Iran, Islamic Rep. of	58 (2.0)
Botswana (9)	57 (2.0)
Jordan	56 (2.0)
South Africa (9)	56 (1.7)
Morocco	53 (1.3)
Saudi Arabia	51 (2.4)
Oman	51 (1.7)
Bahrain	48 (1.7)
Kuwait	47 (2.5)
Georgia	42 (2.3)
Egypt	40 (1.8)
Benchmarking Participants	
Ontario, Canada	74 (1.8)
Florida, US	74 (2.9)
Quebec, Canada	73 (2.9)
Dubai, UAE	72 (1.8)
Norway (8)	69 (2.3)
Abu Dhabi, UAE	62 (2.4)
Buenos Aires, Argentina	56 (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

S05_10 (S042210): Mass/volume of frozen water
 Multiple Choice (Key is C)

Country	Percent Correct	
Korea, Rep. of	72 (1.9)	
Japan	56 (1.6)	
Kazakhstan	54 (2.8)	
Chinese Taipei	51 (2.0)	
Hungary	49 (2.3)	
Egypt	48 (1.6)	
Norway (9)	46 (2.1)	
Iran, Islamic Rep. of	44 (1.9)	
Jordan	44 (1.8)	
Ireland	43 (2.0)	
Russian Federation	43 (2.8)	
Israel	41 (1.9)	
Slovenia	39 (2.2)	
Morocco	39 (1.4)	
International Avg.	39 (0.3)	
Lithuania	38 (2.3)	
Bahrain	38 (2.4)	
Georgia	38 (2.4)	
United States	38 (1.4)	
Kuwait	38 (1.9)	
Lebanon	37 (2.4)	
Italy	37 (2.5)	
Saudi Arabia	37 (2.3)	
Malaysia	36 (1.6)	
Turkey	36 (1.9)	
Singapore	36 (1.5)	
Sweden	35 (2.3)	
Qatar	34 (2.0)	
United Arab Emirates	34 (1.3)	
Malta	33 (1.9)	
Hong Kong SAR	32 (1.9)	
Oman	32 (1.6)	
Australia	32 (1.5)	
England	31 (1.9)	
Canada	31 (1.7)	
New Zealand	31 (1.2)	
Thailand	29 (2.0)	
Chile	28 (2.1)	
Botswana (9)	27 (1.6)	
South Africa (9)	24 (1.3)	
Benchmarking Participants		
Florida, US	43 (3.2)	
Norway (8)	43 (2.2)	
Quebec, Canada	37 (2.5)	
Abu Dhabi, UAE	36 (2.5)	
Dubai, UAE	34 (2.3)	
Buenos Aires, Argentina	31 (2.6)	
Ontario, Canada	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

S05_11 (S042176): Flasks contain fresh & salt water
 Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	61 (2.0) ⬤	
Ireland	56 (2.3) ⬤	
Japan	52 (2.2) ⬤	
England	47 (2.4) ⬤	
Russian Federation	46 (2.7) ⬤	
Hong Kong SAR	46 (2.7) ⬤	
Norway (9)	45 (2.2) ⬤	
Slovenia	44 (2.5) ⬤	
New Zealand	42 (2.2) ⬤	
Iran, Islamic Rep. of	40 (2.0) ⬤	
Kazakhstan	40 (3.0) ⬤	
United States	39 (1.7) ⬤	
Korea, Rep. of	38 (1.9) ⬤	
Malta	38 (2.0) ⬤	
Bahrain	37 (1.9) ⬤	
Israel	36 (1.9) ⬤	
Canada	35 (1.9)	
United Arab Emirates	35 (1.5)	
Oman	34 (1.8)	
Australia	34 (1.8)	
Lithuania	32 (2.7)	
International Avg.	32 (0.3)	
Hungary	31 (1.9)	
Turkey	29 (2.0)	
Jordan	28 (1.8) ⬤	
Sweden	28 (2.5)	
Italy	27 (2.2) ⬤	
Chinese Taipei	27 (1.9) ⬤	
Georgia	25 (2.1) ⬤	
Thailand	25 (1.7) ⬤	
Lebanon	24 (2.0) ⬤	
Qatar	22 (1.6) ⬤	
Morocco	16 (1.0) ⬤	
Malaysia	15 (1.4) ⬤	
Kuwait	14 (1.7) ⬤	
Botswana (9)	13 (1.2) ⬤	
Saudi Arabia	12 (1.6) ⬤	
Chile	10 (1.6) ⬤	
South Africa (9)	9 (1.1) ⬤	
Egypt	7 (0.8) ⬤	
Benchmarking Participants		
Dubai, UAE	48 (1.9) ⬤	
Quebec, Canada	46 (3.8) ⬤	
Norway (8)	36 (2.1)	
Florida, US	33 (3.7)	
Abu Dhabi, UAE	28 (2.9)	
Ontario, Canada	27 (1.8) ⬤	
Buenos Aires, Argentina	3 (0.8) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_12 (S042211): Forces on student sitting on wall
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
England	80 (1.7) ⬤	
Slovenia	74 (2.2) ⬤	
United States	71 (1.4) ⬤	
Ireland	70 (2.1) ⬤	
Singapore	67 (1.8) ⬤	
Lithuania	66 (2.1) ⬤	
Russian Federation	66 (2.4) ⬤	
Hong Kong SAR	65 (2.6) ⬤	
Australia	64 (2.1) ⬤	
Canada	62 (1.6) ⬤	
Chinese Taipei	61 (2.1) ⬤	
New Zealand	60 (2.2) ⬤	
Kazakhstan	59 (2.6) ⬤	
Hungary	59 (2.3) ⬤	
Israel	59 (2.0) ⬤	
Malta	55 (2.2) ⬤	
Italy	53 (2.9) ⬤	
Sweden	53 (2.2) ⬤	
International Avg.	48 (0.3)	
United Arab Emirates	47 (1.4)	
Norway (9)	46 (2.2)	
Bahrain	45 (1.8)	
Turkey	44 (2.2)	
Chile	43 (2.1) ⬤	
Georgia	43 (2.8)	
Qatar	43 (2.1) ⬤	
Japan	42 (2.1) ⬤	
Oman	40 (1.8) ⬤	
Korea, Rep. of	36 (2.4) ⬤	
Lebanon	34 (2.7) ⬤	
Iran, Islamic Rep. of	33 (1.8) ⬤	
Kuwait	30 (2.2) ⬤	
Thailand	29 (1.8) ⬤	
Jordan	28 (1.7) ⬤	
Saudi Arabia	27 (2.0) ⬤	
Malaysia	26 (1.5) ⬤	
Morocco	25 (1.3) ⬤	
Egypt	19 (1.3) ⬤	
South Africa (9)	16 (1.4) ⬤	
Botswana (9)	15 (1.4) ⬤	
Benchmarking Participants		
Ontario, Canada	71 (2.0) ⬤	
Florida, US	70 (2.3) ⬤	
Dubai, UAE	59 (2.1) ⬤	
Norway (8)	44 (2.4)	
Quebec, Canada	44 (3.0)	
Abu Dhabi, UAE	42 (2.9)	
Buenos Aires, Argentina	33 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_13 (S042135): Water cycle processes
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	89 (1.3) ⬤	
Hong Kong SAR	84 (1.7) ⬤	
Slovenia	84 (1.9) ⬤	
Russian Federation	79 (2.1) ⬤	
Japan	79 (1.6) ⬤	
Italy	75 (2.2) ⬤	
Lithuania	66 (2.5) ⬤	
Singapore	66 (1.8) ⬤	
Israel	66 (2.1) ⬤	
Bahrain	65 (2.3) ⬤	
Norway (9)	64 (2.1) ⬤	
United States	64 (1.6) ⬤	
Turkey	63 (2.1) ⬤	
Oman	62 (1.6) ⬤	
United Arab Emirates	60 (1.4) ⬤	
Canada	60 (2.0) ⬤	
Iran, Islamic Rep. of	58 (2.0)	
Ireland	58 (2.1)	
England	57 (2.3)	
Sweden	57 (2.5)	
Jordan	57 (1.8)	
Korea, Rep. of	56 (2.0)	
Thailand	55 (2.1)	
International Avg.	55 (0.3)	
Saudi Arabia	53 (2.7)	
New Zealand	50 (2.0) ⬤	
Chile	50 (2.3) ⬤	
Malta	48 (1.6) ⬤	
Qatar	48 (1.9) ⬤	
Morocco	46 (1.4) ⬤	
Australia	44 (1.8) ⬤	
Kuwait	42 (2.4) ⬤	
Egypt	40 (1.9) ⬤	
Hungary	39 (2.4) ⬤	
Malaysia	36 (1.8) ⬤	
Kazakhstan	34 (3.0) ⬤	
Georgia	32 (2.6) ⬤	
Lebanon	24 (2.0) ⬤	
Botswana (9)	21 (1.4) ⬤	
South Africa (9)	13 (1.3) ⬤	
Benchmarking Participants		
Quebec, Canada	70 (2.8) ⬤	
Dubai, UAE	67 (2.6) ⬤	
Norway (8)	62 (2.2) ⬤	
Abu Dhabi, UAE	56 (2.7)	
Florida, US	56 (3.9)	
Ontario, Canada	54 (2.5)	
Buenos Aires, Argentina	39 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S05_14 (S042257): What causes the phases of the moon
 Multiple Choice (Key is B)

Country	Percent Correct
Korea, Rep. of	66 (2.0) ⬤
Slovenia	62 (2.3) ⬤
Russian Federation	61 (2.1) ⬤
Kazakhstan	60 (2.5) ⬤
Qatar	60 (2.9) ⬤
Hong Kong SAR	58 (2.3) ⬤
United States	57 (1.4) ⬤
Malaysia	56 (1.7) ⬤
Bahrain	54 (2.0) ⬤
Turkey	53 (1.9) ⬤
New Zealand	52 (1.9) ⬤
United Arab Emirates	51 (1.3) ⬤
Kuwait	51 (2.7)
Lithuania	49 (2.7)
Thailand	49 (1.6)
Norway (9)	49 (2.2)
Israel	48 (2.1)
Iran, Islamic Rep. of	48 (2.1)
Oman	48 (2.1)
Sweden	48 (2.6)
International Avg.	47 (0.3)
Malta	47 (2.3)
Canada	47 (1.5)
England	46 (2.1)
Japan	44 (1.9)
Egypt	44 (1.9)
Chinese Taipei	44 (1.7) ⬤
Australia	44 (1.6) ⬤
Chile	44 (2.1)
Morocco	43 (1.3) ⬤
Saudi Arabia	43 (2.3) ⬤
Singapore	43 (1.5) ⬤
Hungary	42 (2.0) ⬤
Italy	42 (2.5) ⬤
Georgia	42 (2.5) ⬤
Jordan	41 (2.0) ⬤
Lebanon	33 (2.5) ⬤
Ireland	33 (2.0) ⬤
South Africa (9)	29 (1.4) ⬤
Botswana (9)	24 (1.8) ⬤
Benchmarking Participants	
Quebec, Canada	61 (2.6) ⬤
Dubai, UAE	60 (1.5) ⬤
Norway (8)	57 (2.4) ⬤
Florida, US	57 (3.5) ⬤
Abu Dhabi, UAE	47 (2.7)
Buenos Aires, Argentina	39 (2.4) ⬤
Ontario, Canada	39 (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 (S052003): Annual growth rings
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	98 (0.6) ▲	
Chinese Taipei	98 (0.5) ▲	
Lithuania	92 (1.3) ▲	
Japan	91 (1.3) ▲	
Ireland	89 (1.5) ▲	
Slovenia	88 (1.5) ▲	
Hong Kong SAR	85 (1.7) ▲	
Russian Federation	85 (1.8) ▲	
Norway (9)	83 (1.5) ▲	
Hungary	82 (1.9) ▲	
Sweden	79 (1.8) ▲	
Canada	79 (1.4) ▲	
Kazakhstan	76 (2.2) ▲	
United States	75 (1.4) ▲	
Italy	75 (2.2) ▲	
Georgia	74 (2.4) ▲	
Singapore	71 (1.5) ▲	
Australia	71 (1.8) ▲	
Turkey	71 (1.7) ▲	
New Zealand	68 (1.8)	
England	68 (2.2)	
International Avg.	68 (0.3)	
Iran, Islamic Rep. of	61 (2.1) ▽	
Jordan	61 (2.2) ▽	
Chile	60 (2.3) ▽	
Israel	57 (1.8) ▽	
Oman	55 (1.7) ▽	
Saudi Arabia	55 (2.2) ▽	
Morocco	55 (1.5) ▽	
United Arab Emirates	54 (1.2) ▽	
Thailand	52 (2.8) ▽	
Lebanon	51 (2.7) ▽	
Kuwait	51 (2.2) ▽	
Malta	51 (2.4) ▽	
Malaysia	51 (1.9) ▽	
Bahrain	50 (2.1) ▽	
Qatar	50 (1.9) ▽	
Egypt	43 (2.1) ▽	
South Africa (9)	43 (1.5) ▽	
Botswana (9)	36 (1.9) ▽	
Benchmarking Participants		
Quebec, Canada	84 (2.0) ▲	
Norway (8)	81 (1.7) ▲	
Ontario, Canada	77 (1.6) ▲	
Florida, US	74 (2.7) ▲	
Dubai, UAE	58 (2.0) ▽	
Abu Dhabi, UAE	49 (2.1) ▽	
Buenos Aires, Argentina	42 (2.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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 (S052071): Birds puff up feathers in cold
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	75 (1.8)	
Singapore	74 (1.7)	
Russian Federation	73 (1.8)	
Hong Kong SAR	72 (2.3)	
Chinese Taipei	70 (1.6)	
Ireland	67 (1.9)	
England	66 (2.3)	
Slovenia	65 (2.5)	
Japan	65 (2.1)	
Sweden	63 (2.8)	
Hungary	61 (2.0)	
Georgia	60 (3.0)	
Australia	57 (2.1)	
Kazakhstan	57 (2.8)	
Canada	56 (1.8)	
Lithuania	55 (2.4)	
New Zealand	55 (2.1)	
United States	51 (1.5)	
Israel	51 (1.8)	
Norway (9)	49 (2.4)	
Turkey	49 (2.4)	
International Avg.	47 (0.3)	
Malta	43 (1.8)	
Italy	42 (2.4)	
Qatar	38 (1.9)	
United Arab Emirates	37 (1.2)	
Malaysia	36 (1.5)	
Jordan	35 (1.8)	
Oman	35 (1.6)	
Saudi Arabia	35 (2.4)	
Iran, Islamic Rep. of	32 (1.9)	
Bahrain	31 (1.9)	
Egypt	30 (1.9)	
Thailand	29 (2.0)	
Chile	28 (2.1)	
Kuwait	25 (2.2)	
Botswana (9)	22 (1.5)	
Morocco	17 (1.2)	
Lebanon	16 (1.9)	
South Africa (9)	15 (1.4)	
Benchmarking Participants		
Ontario, Canada	56 (2.2)	
Quebec, Canada	54 (2.6)	
Dubai, UAE	46 (1.9)	
Norway (8)	44 (2.0)	
Florida, US	42 (3.1)	
Abu Dhabi, UAE	33 (2.4)	
Buenos Aires, Argentina	32 (2.7)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_03 (S052246): Limbs from different organisms
 Multiple Choice (Key is A)

Country	Percent Correct	
Japan	72 (1.9)	
Chinese Taipei	70 (1.9)	
Sweden	64 (1.8)	
Italy	62 (2.3)	
United States	60 (1.6)	
Hungary	60 (1.9)	
Russian Federation	58 (3.2)	
Slovenia	57 (2.5)	
Kazakhstan	57 (2.5)	
Norway (9)	57 (2.2)	
England	56 (2.2)	
Ireland	56 (2.4)	
Canada	56 (1.9)	
Australia	53 (2.3)	
Singapore	53 (1.8)	
Hong Kong SAR	52 (2.2)	
Lithuania	50 (2.3)	
Korea, Rep. of	49 (2.1)	
New Zealand	47 (1.8)	
Malta	45 (2.0)	
International Avg.	45 (0.3)	
Israel	43 (2.0)	
Qatar	42 (2.1)	
Chile	41 (2.1)	
Bahrain	39 (2.8)	
Thailand	37 (2.2)	
Kuwait	36 (2.2)	
Lebanon	35 (2.2)	
United Arab Emirates	35 (1.6)	
Oman	32 (1.8)	
Saudi Arabia	32 (2.3)	
Jordan	31 (2.0)	
Egypt	30 (1.8)	
Turkey	30 (1.9)	
Morocco	26 (1.3)	
Iran, Islamic Rep. of	26 (1.9)	
Georgia	25 (2.3)	
South Africa (9)	25 (1.9)	
Malaysia	23 (1.4)	
Botswana (9)	20 (1.7)	
Benchmarking Participants		
Norway (8)	57 (2.5)	
Quebec, Canada	57 (3.5)	
Ontario, Canada	55 (2.2)	
Florida, US	53 (3.5)	
Dubai, UAE	45 (3.6)	
Buenos Aires, Argentina	40 (2.2)	
Abu Dhabi, UAE	30 (2.5)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_04 (S052276): Good source of calcium
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Ireland	92 (1.1) ▲	
Singapore	88 (1.2) ▲	
Thailand	86 (1.4) ▲	
Japan	84 (1.6) ▲	
England	83 (1.6) ▲	
Canada	83 (1.5) ▲	
Chile	78 (1.9) ▲	
New Zealand	78 (2.0) ▲	
Australia	73 (1.6) ▲	
Italy	73 (1.7) ▲	
Korea, Rep. of	72 (1.9) ▲	
Chinese Taipei	71 (1.6) ▲	
Turkey	68 (1.7) ▲	
United States	68 (1.3) ▲	
Sweden	67 (2.0) ▲	
Bahrain	66 (2.1) ▲	
Kazakhstan	66 (2.9)	
Israel	64 (1.9)	
Malta	62 (1.9)	
International Avg.	61 (0.3)	
Georgia	61 (3.0)	
United Arab Emirates	59 (1.2) ▽	
Qatar	58 (2.2)	
Saudi Arabia	58 (2.4)	
Oman	55 (1.9) ▽	
Hong Kong SAR	55 (2.1) ▽	
Russian Federation	54 (2.7) ▽	
Norway (9)	54 (2.2) ▽	
Lithuania	52 (2.7) ▽	
Kuwait	48 (2.9) ▽	
Malaysia	48 (2.1) ▽	
Jordan	48 (1.9) ▽	
Hungary	47 (2.1) ▽	
Morocco	46 (1.8) ▽	
Egypt	44 (1.8) ▽	
Iran, Islamic Rep. of	42 (2.1) ▽	
Lebanon	40 (2.6) ▽	
South Africa (9)	36 (2.0) ▽	
Slovenia	33 (2.2) ▽	
Botswana (9)	33 (1.9) ▽	
Benchmarking Participants		
Ontario, Canada	86 (1.9) ▲	
Quebec, Canada	76 (2.4) ▲	
Dubai, UAE	68 (1.6) ▲	
Buenos Aires, Argentina	66 (2.8)	
Florida, US	62 (2.8)	
Abu Dhabi, UAE	53 (2.2) ▽	
Norway (8)	46 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_05A (S052303A): Pond: Fish eat mosquito larvae
 Multiple Choice (Key is B)

Country	Percent Correct
Singapore	87 (1.1)
Korea, Rep. of	87 (1.3)
Japan	86 (1.2)
Chinese Taipei	79 (1.5)
Hungary	78 (1.7)
Thailand	73 (1.7)
Norway (9)	72 (2.0)
Israel	72 (1.6)
United States	72 (1.1)
Russian Federation	71 (1.9)
Slovenia	69 (2.2)
Hong Kong SAR	69 (2.2)
Sweden	69 (2.2)
Malaysia	68 (1.9)
Australia	67 (1.8)
New Zealand	66 (1.8)
Kazakhstan	66 (2.2)
Italy	66 (2.1)
Chile	65 (1.9)
United Arab Emirates	64 (1.3)
Canada	62 (1.5)
International Avg.	62 (0.3)
Malta	62 (2.2)
Ireland	61 (2.4)
Georgia	61 (2.8)
Turkey	60 (2.3)
Qatar	59 (2.0)
Lithuania	59 (2.6)
England	59 (2.0)
Bahrain	53 (2.0)
Lebanon	52 (3.1)
Iran, Islamic Rep. of	51 (1.8)
Oman	47 (1.7)
Botswana (9)	47 (1.8)
Saudi Arabia	44 (2.2)
Kuwait	43 (2.4)
South Africa (9)	43 (1.6)
Jordan	42 (1.8)
Morocco	38 (1.5)
Egypt	35 (1.7)
Benchmarking Participants	
Norway (8)	70 (2.1)
Dubai, UAE	69 (2.3)
Florida, US	67 (3.6)
Ontario, Canada	65 (2.0)
Quebec, Canada	61 (2.4)
Abu Dhabi, UAE	60 (2.5)
Buenos Aires, Argentina	56 (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_05B (S052303B): Pond: Adding more fish
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	66 (1.7)	
Japan	58 (1.9)	
Chinese Taipei	56 (2.0)	
Slovenia	55 (2.4)	
Korea, Rep. of	53 (2.4)	
Sweden	52 (3.2)	
Thailand	52 (2.4)	
Hong Kong SAR	51 (2.3)	
New Zealand	50 (2.0)	
Hungary	49 (2.3)	
Norway (9)	48 (2.2)	
Australia	47 (1.7)	
Canada	46 (1.6)	
England	45 (1.9)	
United States	44 (1.6)	
Lithuania	42 (2.3)	
Ireland	41 (2.0)	
Malaysia	41 (1.8)	
Kazakhstan	40 (2.4)	
Italy	37 (2.5)	
International Avg.	36 (0.3)	
Russian Federation	36 (2.3)	
Turkey	35 (2.0)	
Malta	35 (2.1)	
Israel	34 (1.8)	
Chile	30 (1.8)	
Oman	28 (1.5)	
United Arab Emirates	28 (1.1)	
Bahrain	27 (2.0)	
Qatar	25 (1.8)	
Botswana (9)	25 (1.6)	
Saudi Arabia	20 (1.8)	
Jordan	18 (1.4)	
Iran, Islamic Rep. of	17 (1.3)	
Morocco	16 (1.1)	
South Africa (9)	16 (1.3)	
Lebanon	15 (2.1)	
Kuwait	14 (2.0)	
Egypt	13 (1.2)	
Georgia	11 (1.3)	
Benchmarking Participants		
Ontario, Canada	47 (2.0)	
Norway (8)	47 (2.2)	
Florida, US	44 (2.9)	
Quebec, Canada	37 (3.1)	
Dubai, UAE	35 (1.9)	
Abu Dhabi, UAE	25 (1.9)	
Buenos Aires, Argentina	18 (2.0)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_06 (S052125): Body parts as organ systems
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Italy	77 (1.9) ⬤	
Russian Federation	74 (2.5) ⬤	
Singapore	74 (1.8) ⬤	
Iran, Islamic Rep. of	72 (1.9) ⬤	
Hungary	71 (2.5) ⬤	
Australia	70 (1.6) ⬤	
Korea, Rep. of	69 (1.6) ⬤	
Slovenia	67 (2.1) ⬤	
Thailand	65 (1.7) ⬤	
Ireland	65 (1.9) ⬤	
Lithuania	64 (2.3) ⬤	
Israel	64 (2.1) ⬤	
Canada	64 (1.5) ⬤	
Kazakhstan	64 (3.3) ⬤	
United States	64 (1.5) ⬤	
Egypt	62 (1.9) ⬤	
Georgia	62 (2.9) ⬤	
United Arab Emirates	61 (1.2) ⬤	
Oman	61 (1.6) ⬤	
International Avg.	59 (0.3) ⬤	
Kuwait	59 (2.4) ⬤	
Sweden	59 (2.8) ⬤	
Malaysia	58 (1.6) ⬤	
Malta	58 (2.3) ⬤	
South Africa (9)	57 (1.5) ⬤	
Qatar	57 (1.8) ⬤	
New Zealand	56 (1.7) ⬤	
Hong Kong SAR	56 (2.0) ⬤	
Bahrain	56 (2.3) ⬤	
Lebanon	55 (2.6) ⬤	
England	54 (2.2) ⬤	
Botswana (9)	54 (2.0) ⬤	
Saudi Arabia	52 (2.4) ⬤	
Chile	52 (2.2) ⬤	
Chinese Taipei	51 (1.8) ⬤	
Norway (9)	48 (2.5) ⬤	
Turkey	47 (1.9) ⬤	
Jordan	47 (2.2) ⬤	
Morocco	39 (1.4) ⬤	
Japan	31 (1.9) ⬤	
Benchmarking Participants		
Dubai, UAE	73 (1.7) ⬤	
Ontario, Canada	72 (1.9) ⬤	
Florida, US	65 (2.2) ⬤	
Buenos Aires, Argentina	55 (2.6) ⬤	
Abu Dhabi, UAE	52 (2.3) ⬤	
Norway (8)	46 (2.2) ⬤	
Quebec, Canada	45 (2.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_07 (S052145): State of water, mercury, iron
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	74 (1.5)	
Singapore	74 (1.6)	
Japan	68 (2.0)	
Korea, Rep. of	68 (1.9)	
Hong Kong SAR	68 (2.4)	
Russian Federation	66 (2.8)	
Hungary	59 (2.0)	
Slovenia	58 (2.4)	
Kazakhstan	54 (3.1)	
Sweden	54 (2.5)	
Israel	48 (2.1)	
Canada	44 (1.6)	
Ireland	43 (2.1)	
Turkey	42 (2.6)	
Italy	42 (2.3)	
England	41 (2.3)	
Norway (9)	41 (2.4)	
United States	40 (1.6)	
Lithuania	39 (2.9)	
International Avg.	39 (0.3)	
Australia	39 (1.9)	
New Zealand	39 (2.0)	
Malta	38 (1.9)	
Georgia	37 (3.0)	
United Arab Emirates	35 (1.4)	
Malaysia	30 (1.6)	
Oman	28 (1.6)	
Bahrain	28 (2.5)	
Qatar	28 (1.7)	
Jordan	25 (1.8)	
Lebanon	24 (2.4)	
Thailand	21 (2.0)	
Kuwait	21 (2.0)	
Chile	19 (1.9)	
Saudi Arabia	18 (2.4)	
Iran, Islamic Rep. of	17 (1.7)	
Morocco	17 (1.3)	
Egypt	16 (1.4)	
Botswana (9)	10 (1.1)	
South Africa (9)	7 (1.0)	
Benchmarking Participants		
Quebec, Canada	53 (3.3)	
Dubai, UAE	47 (2.4)	
Ontario, Canada	39 (1.9)	
Norway (8)	39 (2.4)	
Florida, US	38 (3.0)	
Abu Dhabi, UAE	28 (2.8)	
Buenos Aires, Argentina	14 (2.0)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S06_08 (S052049): Separating iron and copper
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	43 (1.8) ⬤	74 (1.4) ⬤
Russian Federation	36 (2.7) ⬤	68 (2.8) ⬤
Slovenia	34 (2.2) ⬤	69 (2.4) ⬤
Kazakhstan	33 (2.1) ⬤	71 (2.7) ⬤
Chinese Taipei	25 (1.7) ⬤	72 (2.0) ⬤
New Zealand	23 (2.0) ⬤	50 (2.1)
England	22 (1.5) ⬤	54 (2.1) ⬤
Turkey	22 (1.9) ⬤	49 (2.4)
Ireland	20 (1.7) ⬤	51 (2.2)
Japan	20 (1.4) ⬤	63 (2.1) ⬤
Georgia	20 (2.2) ⬤	55 (2.9) ⬤
Malta	20 (1.5) ⬤	49 (1.7)
Israel	18 (1.5) ⬤	56 (1.9) ⬤
Hungary	18 (1.8)	66 (1.9) ⬤
Sweden	16 (2.2)	51 (3.0)
International Avg.	15 (0.2)	47 (0.3)
Malaysia	15 (1.1)	49 (2.1)
Korea, Rep. of	14 (1.2)	57 (2.0) ⬤
Canada	12 (1.2) ⬤	42 (1.4) ⬤
Oman	12 (1.0) ⬤	37 (1.5) ⬤
Australia	12 (1.4) ⬤	44 (1.8)
Qatar	12 (1.3) ⬤	43 (2.5)
Hong Kong SAR	12 (1.6) ⬤	47 (2.4)
Bahrain	11 (1.7) ⬤	46 (1.9)
Chile	11 (1.2) ⬤	30 (2.0) ⬤
Lebanon	10 (1.5) ⬤	36 (2.5) ⬤
United States	10 (1.0) ⬤	48 (1.7)
United Arab Emirates	10 (0.8) ⬤	44 (1.2) ⬤
Italy	9 (1.3) ⬤	56 (2.2) ⬤
Jordan	9 (1.1) ⬤	40 (2.5) ⬤
Kuwait	9 (1.4) ⬤	27 (2.5) ⬤
Thailand	7 (0.9) ⬤	39 (2.2) ⬤
Botswana (9)	7 (1.0) ⬤	27 (1.8) ⬤
Lithuania	7 (1.1) ⬤	48 (2.4)
Norway (9)	6 (1.2) ⬤	43 (2.1)
Egypt	4 (0.7) ⬤	22 (1.2) ⬤
Iran, Islamic Rep. of	4 (0.7) ⬤	45 (1.9)
Saudi Arabia	4 (0.9) ⬤	28 (2.1) ⬤
South Africa (9)	1 (0.3) ⬤	16 (1.4) ⬤
Morocco	0 (0.2) ⬤	18 (1.2) ⬤
Benchmarking Participants		
Dubai, UAE	17 (1.8)	54 (2.0) ⬤
Quebec, Canada	14 (2.2)	47 (2.6)
Norway (8)	10 (1.6) ⬤	46 (2.0)
Ontario, Canada	10 (1.3) ⬤	37 (1.9) ⬤
Florida, US	8 (1.5) ⬤	42 (3.0)
Abu Dhabi, UAE	7 (1.2) ⬤	37 (2.1) ⬤
Buenos Aires, Argentina	2 (0.6) ⬤	18 (1.8) ⬤

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

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_09 (S052063): Chemical process releases energy
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	73 (1.6) ⬤	
Korea, Rep. of	68 (1.5) ⬤	
Hong Kong SAR	67 (2.1) ⬤	
Chinese Taipei	67 (1.7) ⬤	
Russian Federation	66 (2.3) ⬤	
Singapore	64 (1.5) ⬤	
Italy	61 (2.3) ⬤	
Kazakhstan	61 (3.1) ⬤	
Israel	60 (2.0) ⬤	
Slovenia	60 (2.4) ⬤	
Canada	58 (1.7) ⬤	
Ireland	54 (2.2) ⬤	
Turkey	53 (1.7) ⬤	
Georgia	53 (2.4) ⬤	
Hungary	53 (2.2) ⬤	
Australia	53 (1.6) ⬤	
New Zealand	52 (1.8) ⬤	
United States	52 (1.6) ⬤	
International Avg.	50 (0.3) ⬤	
Iran, Islamic Rep. of	49 (2.2) ⬤	
Lithuania	49 (3.0) ⬤	
Sweden	48 (3.0) ⬤	
England	48 (1.7) ⬤	
Lebanon	47 (2.7) ⬤	
Chile	45 (2.1) ⬤	
Jordan	45 (1.7) ⬤	
Malta	45 (2.4) ⬤	
United Arab Emirates	45 (1.1) ⬤	
Oman	44 (1.7) ⬤	
Qatar	44 (2.1) ⬤	
Egypt	43 (1.9) ⬤	
Bahrain	42 (2.9) ⬤	
Kuwait	41 (2.3) ⬤	
Malaysia	41 (1.8) ⬤	
Morocco	37 (1.3) ⬤	
Norway (9)	36 (2.3) ⬤	
Thailand	35 (1.8) ⬤	
Saudi Arabia	34 (2.3) ⬤	
Botswana (9)	32 (1.7) ⬤	
South Africa (9)	21 (1.4) ⬤	
Benchmarking Participants		
Quebec, Canada	69 (2.8) ⬤	
Ontario, Canada	54 (1.9) ⬤	
Dubai, UAE	51 (1.8) ⬤	
Florida, US	49 (3.6) ⬤	
Abu Dhabi, UAE	38 (2.5) ⬤	
Buenos Aires, Argentina	31 (1.9) ⬤	
Norway (8)	30 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_10 (S052192): Mirror behind screen
Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	85 (1.4) ▲	
Korea, Rep. of	77 (1.4) ▲	
Japan	76 (1.6) ▲	
Sweden	75 (2.1) ▲	
Chinese Taipei	72 (1.8) ▲	
New Zealand	72 (1.7) ▲	
Hong Kong SAR	71 (2.1) ▲	
Canada	68 (1.4) ▲	
Norway (9)	68 (2.2) ▲	
England	68 (2.1) ▲	
Russian Federation	66 (2.2) ▲	
Lithuania	66 (2.4) ▲	
Slovenia	65 (2.1) ▲	
Australia	65 (1.8) ▲	
Ireland	65 (2.3) ▲	
United States	64 (1.4) ▲	
Hungary	63 (2.0) ▲	
Kazakhstan	59 (2.6) ▲	
Italy	53 (2.3)	
Malta	52 (2.1)	
International Avg.	50 (0.3)	
Israel	49 (1.9)	
United Arab Emirates	47 (1.2) ▽	
Malaysia	45 (1.8) ▽	
Turkey	45 (2.1) ▽	
Qatar	42 (2.8) ▽	
Chile	42 (2.0) ▽	
Thailand	41 (2.5) ▽	
Bahrain	38 (2.0) ▽	
Oman	35 (1.8) ▽	
Iran, Islamic Rep. of	32 (1.9) ▽	
Georgia	29 (2.6) ▽	
Kuwait	26 (2.1) ▽	
Jordan	26 (1.9) ▽	
Lebanon	25 (2.0) ▽	
Morocco	23 (1.2) ▽	
Egypt	22 (1.5) ▽	
Botswana (9)	21 (1.4) ▽	
South Africa (9)	16 (1.3) ▽	
Saudi Arabia	9 (1.2) ▽	
Benchmarking Participants		
Ontario, Canada	68 (1.8) ▲	
Quebec, Canada	67 (2.7) ▲	
Norway (8)	62 (2.3) ▲	
Dubai, UAE	58 (1.9) ▲	
Florida, US	52 (3.1)	
Abu Dhabi, UAE	44 (2.1) ▽	
Buenos Aires, Argentina	32 (3.0) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_11 (S052232): Bell on Rami's bike
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	68 (2.3) ⬤	
Hungary	66 (2.1) ⬤	
Japan	64 (1.9) ⬤	
Lithuania	61 (2.3) ⬤	
Kazakhstan	57 (2.3) ⬤	
Iran, Islamic Rep. of	52 (2.0) ⬤	
Hong Kong SAR	51 (2.0) ⬤	
Georgia	50 (2.3) ⬤	
Italy	49 (2.2) ⬤	
Malaysia	46 (1.7) ⬤	
Slovenia	46 (2.6) ⬤	
Korea, Rep. of	44 (2.1) ⬤	
Norway (9)	44 (2.0) ⬤	
Lebanon	43 (3.0) ⬤	
Thailand	39 (2.2) ⬤	
International Avg.	38 (0.3) ⬤	
Israel	37 (1.8) ⬤	
Singapore	34 (1.2) ⬤	
Qatar	33 (2.0) ⬤	
United Arab Emirates	32 (1.4) ⬤	
Ireland	32 (1.9) ⬤	
Chile	32 (2.2) ⬤	
Jordan	32 (1.6) ⬤	
Morocco	32 (1.2) ⬤	
Canada	32 (1.5) ⬤	
New Zealand	32 (1.4) ⬤	
Australia	31 (1.7) ⬤	
Egypt	31 (1.7) ⬤	
Bahrain	31 (1.9) ⬤	
United States	31 (1.4) ⬤	
Turkey	30 (1.5) ⬤	
England	28 (2.0) ⬤	
Botswana (9)	28 (1.7) ⬤	
Malta	27 (1.8) ⬤	
Oman	26 (1.5) ⬤	
Sweden	26 (2.2) ⬤	
Saudi Arabia	26 (2.0) ⬤	
Kuwait	26 (2.2) ⬤	
South Africa (9)	25 (1.0) ⬤	
Chinese Taipei	17 (1.5) ⬤	
Benchmarking Participants		
Norway (8)	40 (2.6)	
Quebec, Canada	38 (2.5)	
Abu Dhabi, UAE	32 (2.3) ⬤	
Dubai, UAE	32 (2.2) ⬤	
Ontario, Canada	30 (1.8) ⬤	
Buenos Aires, Argentina	30 (2.3) ⬤	
Florida, US	30 (2.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_12 (S052141): Pressure from wooden block Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	64 (2.3) ⬤	
Singapore	56 (1.8) ⬤	
Sweden	49 (3.0) ⬤	
Turkey	49 (2.1) ⬤	
Hungary	43 (2.5) ⬤	
Chinese Taipei	41 (1.9) ⬤	
Ireland	41 (2.2) ⬤	
England	41 (2.4) ⬤	
Kazakhstan	38 (2.9) ⬤	
Korea, Rep. of	37 (2.2) ⬤	
Canada	36 (1.9) ⬤	
Malta	36 (1.6) ⬤	
Russian Federation	35 (2.2) ⬤	
Norway (9)	35 (2.2) ⬤	
New Zealand	31 (2.6) ⬤	
Hong Kong SAR	29 (2.0) ⬤	
Slovenia	26 (2.3)	
International Avg.	25 (0.3)	
Italy	25 (2.0)	
Australia	22 (1.5) ⬤	
Israel	21 (1.7) ⬤	
Lithuania	19 (2.0) ⬤	
Bahrain	19 (1.5) ⬤	
United Arab Emirates	19 (1.1) ⬤	
Chile	17 (1.9) ⬤	
United States	16 (1.2) ⬤	
Qatar	14 (1.1) ⬤	
Georgia	12 (1.5) ⬤	
Saudi Arabia	10 (1.5) ⬤	
Oman	10 (1.1) ⬤	
Iran, Islamic Rep. of	9 (1.3) ⬤	
Jordan	8 (0.9) ⬤	
Kuwait	8 (1.6) ⬤	
Malaysia	7 (0.8) ⬤	
South Africa (9)	6 (1.0) ⬤	
Egypt	5 (0.8) ⬤	
Lebanon	3 (0.8) ⬤	
Botswana (9)	3 (0.7) ⬤	
Morocco	0 (0.2) ⬤	
Thailand	- -	
Benchmarking Participants		
Ontario, Canada	38 (2.0) ⬤	
Quebec, Canada	34 (2.8) ⬤	
Dubai, UAE	30 (1.8) ⬤	
Norway (8)	28 (2.0)	
Abu Dhabi, UAE	12 (1.8) ⬤	
Buenos Aires, Argentina	11 (1.5) ⬤	
Florida, US	7 (1.8) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

A dash (-) indicates comparable data not available

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_13 (S052096): Non-renewable energy source
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	95 (1.2)	
Ireland	87 (1.8)	
Chinese Taipei	84 (1.4)	
Korea, Rep. of	81 (1.4)	
Canada	80 (1.5)	
Italy	80 (2.1)	
Norway (9)	79 (1.9)	
Singapore	78 (1.4)	
Hungary	78 (2.3)	
Jordan	78 (1.6)	
England	77 (2.2)	
Sweden	75 (1.8)	
New Zealand	74 (1.8)	
Japan	74 (1.8)	
United States	73 (1.4)	
Australia	71 (1.7)	
Saudi Arabia	70 (2.4)	
Malta	69 (1.8)	
Chile	68 (2.2)	
Georgia	67 (2.2)	
United Arab Emirates	66 (1.4)	
Slovenia	66 (2.5)	
International Avg.	65 (0.3)	
Russian Federation	64 (2.9)	
Oman	64 (1.7)	
Bahrain	57 (2.3)	
Lithuania	56 (2.7)	
Iran, Islamic Rep. of	55 (2.4)	
Malaysia	54 (2.0)	
Israel	54 (1.9)	
Thailand	51 (2.1)	
Egypt	50 (1.7)	
Botswana (9)	48 (2.1)	
Morocco	48 (1.4)	
Turkey	48 (2.2)	
Qatar	47 (1.9)	
Kazakhstan	46 (2.7)	
Lebanon	45 (2.8)	
Kuwait	44 (2.9)	
South Africa (9)	37 (1.8)	
Benchmarking Participants		
Quebec, Canada	87 (2.4)	
Ontario, Canada	77 (1.9)	
Florida, US	69 (2.7)	
Dubai, UAE	68 (2.9)	
Norway (8)	67 (2.1)	
Abu Dhabi, UAE	63 (2.6)	
Buenos Aires, Argentina	56 (3.1)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S06_14 (S052116): Advantages of long roots in soil
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	70 (1.7) ▲	91 (1.0) ▲
Japan	65 (2.0) ▲	84 (1.4) ▲
Chinese Taipei	52 (1.5) ▲	82 (1.4) ▲
Slovenia	50 (2.5) ▲	83 (1.9) ▲
Korea, Rep. of	47 (1.7) ▲	75 (1.8) ▲
Hungary	47 (2.3) ▲	65 (2.3) ▲
England	45 (2.0) ▲	75 (1.8) ▲
Hong Kong SAR	44 (2.0) ▲	81 (1.8) ▲
Ireland	43 (2.4) ▲	79 (2.0) ▲
Russian Federation	43 (3.1) ▲	63 (3.1)
Canada	41 (1.6) ▲	76 (1.5) ▲
Sweden	38 (2.8) ▲	67 (2.5) ▲
Lithuania	38 (2.4) ▲	64 (2.2)
Italy	36 (2.5)	69 (2.5) ▲
Israel	36 (1.7) ▲	67 (1.7) ▲
Oman	36 (1.6) ▲	68 (1.5) ▲
Norway (9)	33 (2.0)	68 (2.0) ▲
Australia	32 (1.8)	67 (1.9) ▲
United Arab Emirates	31 (1.2)	57 (1.4)
International Avg.	31 (0.3)	59 (0.3)
Malta	31 (1.8)	63 (1.8) ▲
New Zealand	30 (1.6)	63 (1.8) ▲
Turkey	29 (1.8)	67 (1.8) ▲
Thailand	29 (2.2)	59 (2.2)
United States	28 (1.6)	68 (1.5) ▲
Bahrain	28 (1.6) ▽	57 (2.1)
Malaysia	28 (1.5) ▽	65 (2.3) ▲
Kuwait	27 (1.9) ▽	48 (2.3) ▽
Qatar	26 (1.8) ▽	53 (1.9) ▽
Chile	22 (2.0) ▽	57 (2.6)
Iran, Islamic Rep. of	22 (2.0) ▽	48 (2.1) ▽
Botswana (9)	20 (1.9) ▽	46 (2.0) ▽
Kazakhstan	18 (1.9) ▽	53 (2.9) ▽
Georgia	16 (1.8) ▽	33 (2.6) ▽
Saudi Arabia	14 (1.9) ▽	44 (2.3) ▽
Jordan	9 (1.2) ▽	33 (1.9) ▽
South Africa (9)	7 (1.3) ▽	21 (1.9) ▽
Egypt	7 (0.9) ▽	22 (1.7) ▽
Morocco	6 (0.8) ▽	21 (1.1) ▽
Lebanon	1 (0.3) ▽	18 (2.0) ▽
Benchmarking Participants		
Dubai, UAE	47 (1.8) ▲	74 (1.4) ▲
Ontario, Canada	42 (2.1) ▲	76 (1.9) ▲
Quebec, Canada	34 (2.3)	73 (2.9) ▲
Norway (8)	27 (2.1) ▽	64 (2.1) ▲
Florida, US	25 (2.3) ▽	59 (3.6)
Abu Dhabi, UAE	24 (2.3) ▽	47 (3.2) ▽
Buenos Aires, Argentina	13 (1.7) ▽	32 (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_15 (S052110): Weight less on Moon than Earth
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	49 (1.7)	
United States	44 (1.6)	
Kazakhstan	43 (2.4)	
Canada	39 (1.7)	
Hong Kong SAR	39 (2.7)	
England	37 (2.2)	
Korea, Rep. of	36 (1.8)	
New Zealand	32 (2.4)	
Malta	31 (1.7)	
Slovenia	29 (2.4)	
Sweden	29 (2.8)	
Russian Federation	29 (2.8)	
Japan	29 (1.8)	
Israel	29 (1.7)	
Chinese Taipei	28 (1.8)	
United Arab Emirates	27 (1.3)	
Australia	27 (1.6)	
Lithuania	25 (1.9)	
International Avg.	24 (0.3)	
Qatar	24 (1.7)	
Ireland	23 (1.9)	
Italy	23 (1.9)	
Bahrain	22 (1.8)	
Norway (9)	20 (1.8)	
Kuwait	19 (1.7)	
Iran, Islamic Rep. of	18 (1.5)	
Egypt	18 (1.4)	
Turkey	17 (1.5)	
Malaysia	16 (1.2)	
Lebanon	16 (1.6)	
Saudi Arabia	15 (2.2)	
Chile	15 (1.6)	
Oman	15 (1.2)	
Thailand	15 (1.7)	
Hungary	14 (1.7)	
Jordan	13 (1.4)	
Georgia	10 (1.3)	
South Africa (9)	9 (1.4)	
Morocco	6 (0.7)	
Botswana (9)	4 (0.6)	
Benchmarking Participants		
Florida, US	42 (3.4)	
Ontario, Canada	41 (2.5)	
Dubai, UAE	34 (2.2)	
Quebec, Canada	30 (2.4)	
Norway (8)	22 (1.8)	
Abu Dhabi, UAE	20 (2.3)	
Buenos Aires, Argentina	11 (1.5)	

Percent significantly higher than international average

Percent significantly lower 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 (S042042): Which organism is a producer
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	92 (1.2) ⬤	
Singapore	92 (1.0) ⬤	
Lithuania	88 (1.5) ⬤	
Malaysia	88 (1.2) ⬤	
Korea, Rep. of	87 (1.2) ⬤	
Chinese Taipei	85 (1.4) ⬤	
Thailand	84 (1.4) ⬤	
Jordan	83 (1.2) ⬤	
Hong Kong SAR	82 (2.1) ⬤	
Hungary	81 (1.8) ⬤	
United States	81 (1.1) ⬤	
New Zealand	79 (1.7) ⬤	
Canada	79 (1.6) ⬤	
Turkey	78 (2.0) ⬤	
Oman	77 (1.5) ⬤	
Australia	74 (1.8)	
Italy	74 (2.2)	
Israel	74 (1.7)	
International Avg.	73 (0.3)	
United Arab Emirates	73 (1.1)	
Morocco	73 (1.3)	
Chile	72 (2.2)	
Lebanon	72 (2.5)	
Qatar	71 (1.6)	
Botswana (9)	70 (1.8)	
England	70 (2.1)	
Sweden	70 (2.2)	
Kazakhstan	68 (2.4) ⬤	
Bahrain	67 (2.1) ⬤	
Malta	66 (1.9) ⬤	
South Africa (9)	66 (1.5) ⬤	
Ireland	64 (2.2) ⬤	
Saudi Arabia	64 (2.6) ⬤	
Norway (9)	62 (2.2) ⬤	
Japan	62 (1.8) ⬤	
Russian Federation	61 (3.2) ⬤	
Kuwait	61 (2.4) ⬤	
Iran, Islamic Rep. of	58 (2.3) ⬤	
Egypt	47 (1.6) ⬤	
Georgia	46 (2.9) ⬤	
Benchmarking Participants		
Florida, US	84 (2.1) ⬤	
Quebec, Canada	83 (3.0) ⬤	
Dubai, UAE	78 (2.6) ⬤	
Ontario, Canada	78 (1.6) ⬤	
Abu Dhabi, UAE	69 (1.7) ⬤	
Buenos Aires, Argentina	67 (2.6) ⬤	
Norway (8)	64 (1.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_02 (S042030): What kind of reproduction Constructed Response (1 Point)

Country	Percent Correct
Singapore	53 (1.9)
United States	50 (1.8)
Chinese Taipei	41 (1.7)
Kazakhstan	41 (2.8)
Slovenia	39 (1.9)
Australia	39 (1.8)
Iran, Islamic Rep. of	38 (2.2)
Italy	36 (2.3)
Hong Kong SAR	35 (2.6)
Canada	34 (1.7)
Turkey	34 (2.1)
Lithuania	33 (2.5)
Malta	32 (1.8)
England	32 (2.3)
Ireland	32 (2.1)
Israel	30 (1.8)
New Zealand	29 (1.8)
Chile	28 (1.9)
United Arab Emirates	27 (1.5)
International Avg.	24 (0.3)
Botswana (9)	23 (1.8)
Russian Federation	22 (2.0)
Kuwait	22 (2.1)
Bahrain	21 (1.8)
Sweden	19 (2.3)
Qatar	16 (1.3)
Morocco	16 (1.2)
Hungary	13 (1.5)
Japan	13 (1.5)
Georgia	12 (1.4)
Jordan	12 (1.1)
Oman	12 (1.2)
Norway (9)	12 (1.3)
Thailand	10 (1.2)
Malaysia	10 (0.9)
Saudi Arabia	9 (1.6)
Egypt	7 (0.9)
Lebanon	7 (1.0)
Korea, Rep. of	7 (1.0)
South Africa (9)	3 (0.5)
Benchmarking Participants	
Quebec, Canada	45 (3.0)
Florida, US	44 (4.0)
Dubai, UAE	35 (3.2)
Ontario, Canada	29 (2.0)
Abu Dhabi, UAE	21 (2.3)
Buenos Aires, Argentina	17 (2.1)
Norway (8)	7 (1.0)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_03 (S042003): O₂-CO₂ exchange in an animal skin
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	77 (1.9) ▲	
Singapore	74 (1.5) ▲	
Lithuania	74 (2.1) ▲	
Chinese Taipei	69 (1.9) ▲	
Hungary	68 (2.3) ▲	
Kazakhstan	67 (2.7) ▲	
Japan	62 (2.0) ▲	
Egypt	58 (1.9) ▲	
Georgia	58 (3.3) ▲	
Hong Kong SAR	57 (2.3) ▲	
Morocco	55 (1.7) ▲	
Lebanon	53 (2.6) ▲	
Thailand	52 (2.6)	
Australia	51 (1.8)	
Malaysia	50 (1.9)	
Bahrain	50 (2.0)	
United Arab Emirates	49 (1.3)	
Oman	49 (1.7)	
International Avg.	47 (0.3)	
Korea, Rep. of	47 (2.2)	
Canada	46 (2.1)	
Israel	46 (1.9)	
Italy	46 (2.5)	
Qatar	45 (2.4)	
Slovenia	43 (2.4)	
United States	42 (1.4) ▽	
Sweden	41 (2.3) ▽	
New Zealand	39 (2.1) ▽	
England	36 (2.1) ▽	
Kuwait	36 (2.2) ▽	
Saudi Arabia	36 (2.6) ▽	
Malta	34 (2.1) ▽	
Ireland	32 (2.2) ▽	
Turkey	32 (2.2) ▽	
Jordan	31 (2.0) ▽	
Norway (9)	30 (2.0) ▽	
Chile	29 (2.2) ▽	
South Africa (9)	28 (1.3) ▽	
Botswana (9)	27 (1.8) ▽	
Iran, Islamic Rep. of	27 (1.8) ▽	
Benchmarking Participants		
Dubai, UAE	51 (2.2)	
Quebec, Canada	49 (3.7)	
Ontario, Canada	46 (2.5)	
Abu Dhabi, UAE	44 (2.4)	
Florida, US	37 (4.3) ▽	
Norway (8)	36 (1.8) ▽	
Buenos Aires, Argentina	33 (2.7) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_04 (S042110): Which nails rusted most
 Multiple Choice (Key is D)

Country	Percent Correct	
Russian Federation	90 (1.2)	
Chinese Taipei	88 (1.1)	
Lithuania	87 (1.5)	
Sweden	82 (1.9)	
Norway (9)	80 (1.4)	
Ireland	79 (1.7)	
Hungary	77 (1.9)	
Malaysia	77 (1.5)	
Canada	77 (1.4)	
Singapore	77 (1.3)	
Hong Kong SAR	76 (2.1)	
New Zealand	76 (1.6)	
Kazakhstan	76 (2.1)	
Japan	76 (1.7)	
Slovenia	75 (2.7)	
Korea, Rep. of	74 (1.9)	
Italy	73 (2.5)	
Australia	73 (1.7)	
Chile	72 (1.7)	
Botswana (9)	71 (1.6)	
United States	70 (1.5)	
Iran, Islamic Rep. of	70 (1.8)	
England	70 (2.0)	
International Avg.	68 (0.3)	
Thailand	68 (2.3)	
Israel	66 (1.8)	
Jordan	64 (2.0)	
Georgia	63 (2.3)	
Malta	63 (2.1)	
Morocco	62 (1.4)	
Egypt	61 (1.7)	
Qatar	56 (2.8)	
South Africa (9)	55 (1.9)	
Bahrain	54 (2.0)	
United Arab Emirates	53 (1.1)	
Lebanon	52 (2.5)	
Turkey	47 (1.7)	
Kuwait	46 (2.3)	
Oman	45 (1.9)	
Saudi Arabia	44 (2.1)	
Benchmarking Participants		
Quebec, Canada	80 (2.2)	
Norway (8)	76 (1.9)	
Ontario, Canada	74 (1.9)	
Florida, US	61 (3.6)	
Dubai, UAE	58 (2.1)	
Buenos Aires, Argentina	54 (2.8)	
Abu Dhabi, UAE	49 (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

S07_05A (S042222A): Life cycle stage monarch grows
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	56 (2.0)	
United States	38 (1.5)	
New Zealand	35 (1.9)	
Japan	34 (2.0)	
England	31 (2.1)	
Hungary	30 (1.9)	
Sweden	27 (2.1)	
Canada	26 (1.3)	
Israel	26 (1.8)	
Kazakhstan	26 (2.3)	
Slovenia	24 (2.1)	
Turkey	23 (1.6)	
Russian Federation	21 (2.0)	
Hong Kong SAR	21 (2.0)	
Malta	20 (1.5)	
International Avg.	19 (0.3)	
Norway (9)	19 (1.8)	
Korea, Rep. of	18 (1.6)	
Kuwait	18 (1.9)	
Ireland	18 (1.6)	
Bahrain	18 (1.9)	
United Arab Emirates	18 (1.1)	
Iran, Islamic Rep. of	18 (1.5)	
Qatar	17 (1.7)	
Australia	16 (1.3)	
Malaysia	16 (1.2)	
Oman	16 (1.2)	
Chile	14 (1.6)	
Thailand	13 (1.3)	
Lithuania	13 (1.6)	
Chinese Taipei	10 (1.3)	
Italy	10 (1.3)	
Lebanon	9 (1.5)	
Saudi Arabia	9 (1.4)	
Jordan	8 (1.1)	
Morocco	6 (0.7)	
Botswana (9)	6 (0.8)	
South Africa (9)	5 (0.8)	
Egypt	5 (0.9)	
Georgia	4 (1.0)	
Benchmarking Participants		
Florida, US	32 (3.0)	
Quebec, Canada	29 (2.1)	
Ontario, Canada	24 (1.6)	
Dubai, UAE	23 (2.3)	
Norway (8)	16 (1.9)	
Abu Dhabi, UAE	15 (1.7)	
Buenos Aires, Argentina	2 (0.8)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S07_05B (S042222B): Life cycle stage monarch develops
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	77 (1.6)	
Japan	48 (2.1)	
Canada	48 (1.6)	
United States	48 (1.6)	
New Zealand	48 (1.6)	
England	41 (2.4)	
Australia	38 (1.8)	
Hungary	36 (1.8)	
Slovenia	35 (2.4)	
Ireland	34 (2.1)	
Korea, Rep. of	33 (1.8)	
Sweden	33 (2.3)	
Israel	32 (1.9)	
Hong Kong SAR	32 (2.0)	
United Arab Emirates	31 (1.2)	
Malaysia	31 (1.4)	
Malta	30 (2.0)	
Iran, Islamic Rep. of	30 (1.8)	
Russian Federation	29 (1.8)	
Norway (9)	29 (2.2)	
International Avg.	28 (0.3)	
Thailand	28 (2.1)	
Turkey	27 (1.9)	
Chile	27 (1.9)	
Lithuania	26 (2.3)	
Kazakhstan	26 (2.5)	
Qatar	25 (2.1)	
Italy	25 (2.1)	
Bahrain	23 (2.2)	
Kuwait	23 (1.9)	
Saudi Arabia	20 (1.9)	
Oman	16 (1.2)	
Chinese Taipei	14 (1.3)	
Jordan	14 (1.3)	
Lebanon	10 (1.5)	
Botswana (9)	10 (1.0)	
Morocco	8 (0.9)	
Georgia	8 (1.4)	
South Africa (9)	7 (1.0)	
Egypt	2 (0.5)	
Benchmarking Participants		
Quebec, Canada	51 (2.7)	
Ontario, Canada	44 (2.0)	
Dubai, UAE	43 (1.9)	
Florida, US	39 (2.8)	
Abu Dhabi, UAE	25 (2.2)	
Norway (8)	25 (2.0)	
Buenos Aires, Argentina	5 (1.2)	

Percent significantly higher than international average

Percent significantly lower 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_05C (S042222C): Advantage for viceroy butterfly
 Multiple Choice (Key is B)

Country	Percent Correct
Singapore	89 (1.1)
Korea, Rep. of	84 (1.3)
Hungary	82 (1.6)
United States	80 (1.2)
Ireland	80 (1.5)
Canada	79 (1.1)
England	79 (1.8)
Australia	79 (1.6)
Italy	77 (1.9)
Lithuania	77 (2.4)
New Zealand	76 (1.6)
Japan	76 (1.9)
Chile	75 (1.7)
Slovenia	72 (2.1)
Israel	72 (1.7)
Norway (9)	71 (1.7)
Sweden	67 (2.1)
Russian Federation	66 (2.4)
Turkey	66 (1.7)
Chinese Taipei	65 (1.6)
Malta	65 (2.1)
United Arab Emirates	64 (1.4)
International Avg.	64 (0.3)
Qatar	61 (1.8)
Bahrain	60 (2.0)
Hong Kong SAR	59 (2.2)
Georgia	58 (2.7)
Kuwait	58 (2.0)
Malaysia	57 (1.5)
Jordan	54 (2.0)
Iran, Islamic Rep. of	51 (1.9)
Botswana (9)	51 (1.8)
Saudi Arabia	50 (2.6)
South Africa (9)	46 (2.1)
Kazakhstan	45 (2.4)
Oman	45 (1.7)
Egypt	45 (1.7)
Thailand	44 (2.0)
Morocco	40 (1.5)
Lebanon	35 (2.7)
Benchmarking Participants	
Quebec, Canada	84 (1.5)
Ontario, Canada	77 (1.7)
Florida, US	76 (2.6)
Dubai, UAE	72 (2.5)
Norway (8)	67 (2.2)
Abu Dhabi, UAE	62 (2.5)
Buenos Aires, Argentina	54 (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

S07_06 (S042065): Good conductor of heat-electricity
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	95 (0.8) ⬤	
Singapore	94 (0.8) ⬤	
Thailand	93 (1.1) ⬤	
Korea, Rep. of	92 (1.0) ⬤	
Hong Kong SAR	92 (1.2) ⬤	
Israel	90 (1.1) ⬤	
Malaysia	88 (1.2) ⬤	
Sweden	88 (1.6) ⬤	
Norway (9)	86 (1.4) ⬤	
Japan	86 (1.3) ⬤	
Jordan	86 (1.5) ⬤	
Russian Federation	84 (1.6) ⬤	
Egypt	84 (1.3) ⬤	
Turkey	84 (1.5) ⬤	
Iran, Islamic Rep. of	83 (1.5) ⬤	
Oman	83 (1.4) ⬤	
England	82 (1.5) ⬤	
Slovenia	82 (1.8) ⬤	
Bahrain	82 (1.8) ⬤	
Morocco	81 (1.0) ⬤	
United Arab Emirates	81 (0.9) ⬤	
Kazakhstan	81 (1.9) ⬤	
International Avg.	81 (0.3) ⬤	
Kuwait	80 (2.0) ⬤	
Hungary	80 (1.9) ⬤	
Qatar	79 (1.7) ⬤	
United States	79 (1.1) ⬤	
Italy	78 (2.0) ⬤	
Ireland	78 (1.7) ⬤	
Australia	77 (1.7) ⬤	
Chile	75 (1.9) ⬤	
Malta	75 (1.8) ⬤	
Saudi Arabia	74 (2.3) ⬤	
Botswana (9)	74 (1.7) ⬤	
New Zealand	73 (1.8) ⬤	
Canada	70 (1.6) ⬤	
Lithuania	69 (2.4) ⬤	
Lebanon	64 (2.7) ⬤	
South Africa (9)	63 (1.5) ⬤	
Georgia	54 (2.7) ⬤	
Benchmarking Participants		
Dubai, UAE	85 (1.6) ⬤	
Florida, US	80 (2.2) ⬤	
Abu Dhabi, UAE	79 (2.1) ⬤	
Norway (8)	75 (1.9) ⬤	
Quebec, Canada	69 (3.0) ⬤	
Ontario, Canada	69 (2.3) ⬤	
Buenos Aires, Argentina	59 (3.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_07 (S042280): Relative speed of sound
 Multiple Choice (Key is D)

Country	Percent Correct	
Singapore	82 (1.3)	
Korea, Rep. of	78 (1.5)	
Russian Federation	73 (2.3)	
Chinese Taipei	73 (1.6)	
Hong Kong SAR	72 (2.2)	
Slovenia	69 (2.3)	
Lithuania	69 (2.2)	
Japan	68 (1.9)	
Hungary	68 (2.3)	
Turkey	68 (2.0)	
Canada	65 (1.7)	
Israel	64 (2.0)	
Sweden	63 (2.2)	
Ireland	62 (2.1)	
Italy	61 (2.6)	
United States	61 (1.5)	
England	60 (2.6)	
Norway (9)	57 (2.4)	
Australia	57 (1.9)	
New Zealand	54 (1.9)	
International Avg.	53 (0.3)	
Malta	53 (2.1)	
Kazakhstan	50 (3.0)	
Malaysia	48 (2.0)	
United Arab Emirates	48 (1.7)	
Qatar	48 (2.6)	
Iran, Islamic Rep. of	46 (2.4)	
Bahrain	45 (2.0)	
Thailand	45 (2.0)	
Chile	42 (2.5)	
Oman	40 (1.5)	
Georgia	39 (2.7)	
Lebanon	39 (2.8)	
Morocco	34 (1.5)	
Jordan	32 (1.6)	
Saudi Arabia	31 (2.6)	
Kuwait	31 (2.4)	
Botswana (9)	30 (1.6)	
Egypt	28 (1.8)	
South Africa (9)	28 (1.6)	
Benchmarking Participants		
Quebec, Canada	66 (2.9)	
Dubai, UAE	64 (2.2)	
Ontario, Canada	64 (2.4)	
Florida, US	52 (3.4)	
Norway (8)	50 (2.3)	
Abu Dhabi, UAE	38 (3.2)	
Buenos Aires, Argentina	27 (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_08 (S042088): Which solution is more dilute
 Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	79 (1.3) ⬤	
Slovenia	76 (2.0) ⬤	
Chinese Taipei	73 (1.7) ⬤	
Sweden	71 (2.1) ⬤	
Hungary	69 (2.3) ⬤	
Lithuania	68 (2.4) ⬤	
Singapore	66 (1.6) ⬤	
Russian Federation	65 (2.4) ⬤	
Hong Kong SAR	65 (2.5) ⬤	
Ireland	63 (2.0) ⬤	
England	61 (1.9) ⬤	
Norway (9)	61 (2.3) ⬤	
Kazakhstan	58 (2.9) ⬤	
Malaysia	56 (1.9) ⬤	
Italy	55 (2.0) ⬤	
Canada	52 (1.7) ⬤	
Korea, Rep. of	48 (2.5)	
International Avg.	48 (0.3)	
South Africa (9)	46 (1.4)	
Turkey	45 (2.2)	
Malta	45 (2.3)	
New Zealand	44 (2.3)	
Chile	43 (2.2) ⬤	
Australia	41 (2.0) ⬤	
Botswana (9)	39 (1.8) ⬤	
United States	38 (1.4) ⬤	
United Arab Emirates	38 (1.4) ⬤	
Lebanon	37 (2.2) ⬤	
Oman	37 (1.2) ⬤	
Israel	36 (2.1) ⬤	
Jordan	36 (1.9) ⬤	
Bahrain	36 (2.6) ⬤	
Qatar	34 (1.9) ⬤	
Thailand	33 (2.0) ⬤	
Iran, Islamic Rep. of	32 (2.3) ⬤	
Saudi Arabia	31 (2.4) ⬤	
Georgia	30 (2.1) ⬤	
Kuwait	26 (2.2) ⬤	
Egypt	26 (1.7) ⬤	
Morocco	23 (1.4) ⬤	
Benchmarking Participants		
Quebec, Canada	65 (3.8) ⬤	
Norway (8)	50 (2.3)	
Dubai, UAE	48 (2.3)	
Ontario, Canada	46 (2.2)	
Florida, US	35 (2.9) ⬤	
Abu Dhabi, UAE	31 (2.3) ⬤	
Buenos Aires, Argentina	29 (2.5) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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 (S042218): Why does a balloon with helium rise
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	80 (1.5) ⬤	
Japan	78 (1.8) ⬤	
Singapore	77 (1.6) ⬤	
Chinese Taipei	74 (1.7) ⬤	
Slovenia	70 (2.4) ⬤	
Iran, Islamic Rep. of	67 (2.2) ⬤	
Hungary	67 (2.1) ⬤	
United States	63 (1.8) ⬤	
Russian Federation	61 (2.8) ⬤	
Ireland	60 (2.2) ⬤	
Hong Kong SAR	60 (1.9) ⬤	
United Arab Emirates	57 (1.3) ⬤	
Qatar	56 (2.2)	
Turkey	54 (2.0)	
Italy	54 (2.5)	
Egypt	53 (2.0)	
Kazakhstan	52 (2.6)	
International Avg.	52 (0.3)	
Canada	52 (1.9)	
New Zealand	51 (2.5)	
England	50 (2.5)	
Oman	50 (1.6)	
Malta	49 (2.3)	
Sweden	49 (2.7)	
Australia	49 (2.3)	
Israel	48 (2.1)	
Kuwait	46 (3.0)	
Malaysia	45 (2.0) ⬤	
Norway (9)	45 (2.4) ⬤	
Botswana (9)	44 (1.5) ⬤	
Lebanon	43 (2.4) ⬤	
Jordan	43 (2.2) ⬤	
Georgia	40 (2.6) ⬤	
Bahrain	40 (1.9) ⬤	
Saudi Arabia	36 (2.3) ⬤	
Chile	35 (2.2) ⬤	
Lithuania	34 (2.7) ⬤	
Thailand	33 (2.0) ⬤	
Morocco	31 (1.2) ⬤	
South Africa (9)	29 (1.2) ⬤	
Benchmarking Participants		
Dubai, UAE	61 (1.9) ⬤	
Ontario, Canada	53 (2.2)	
Florida, US	53 (3.0)	
Abu Dhabi, UAE	51 (2.2)	
Quebec, Canada	46 (3.3)	
Norway (8)	43 (2.6) ⬤	
Buenos Aires, Argentina	31 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_10 (S042104): Balance after HCL-NaOH are mixed
 Constructed Response (1 Point)

Country	Percent Correct
Japan	54 (1.9)
Kazakhstan	50 (2.7)
Slovenia	47 (2.2)
Russian Federation	44 (2.8)
Korea, Rep. of	42 (1.8)
Hungary	41 (2.0)
Singapore	37 (1.7)
Israel	35 (2.0)
Chinese Taipei	33 (2.1)
England	31 (2.1)
Sweden	31 (2.3)
United States	27 (1.2)
Australia	26 (1.6)
New Zealand	26 (1.9)
Norway (9)	26 (1.8)
Malaysia	25 (1.9)
Canada	25 (1.7)
Turkey	25 (1.6)
Lithuania	25 (2.3)
International Avg.	24 (0.3)
Hong Kong SAR	24 (2.2)
Ireland	24 (1.7)
Chile	21 (1.8)
Malta	20 (1.9)
Lebanon	19 (1.6)
Iran, Islamic Rep. of	18 (1.6)
Georgia	16 (2.0)
Oman	16 (1.1)
Bahrain	16 (1.5)
Italy	16 (1.6)
Morocco	15 (1.1)
United Arab Emirates	15 (0.9)
Jordan	14 (1.5)
Qatar	13 (1.4)
Saudi Arabia	12 (2.0)
Kuwait	11 (1.4)
Thailand	10 (1.2)
Egypt	9 (1.1)
South Africa (9)	4 (0.6)
Botswana (9)	3 (0.6)
Benchmarking Participants	
Quebec, Canada	39 (2.9)
Florida, US	24 (3.2)
Norway (8)	21 (1.6)
Ontario, Canada	20 (2.0)
Dubai, UAE	16 (1.4)
Abu Dhabi, UAE	13 (1.6)
Buenos Aires, Argentina	8 (1.3)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_11 (S042064): Why oil floats on top of water
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	64 (1.6) ⬤	
Korea, Rep. of	58 (2.3) ⬤	
Egypt	52 (2.0) ⬤	
Chinese Taipei	52 (2.0) ⬤	
Kazakhstan	50 (2.8) ⬤	
Malaysia	50 (2.1) ⬤	
Jordan	49 (1.7) ⬤	
Slovenia	48 (2.3) ⬤	
Oman	46 (1.7) ⬤	
United States	45 (1.9) ⬤	
Malta	45 (1.9) ⬤	
Hong Kong SAR	44 (2.4) ⬤	
Ireland	44 (2.4) ⬤	
Turkey	43 (2.2) ⬤	
Hungary	41 (2.3) ⬤	
United Arab Emirates	40 (1.3) ⬤	
Russian Federation	40 (2.5) ⬤	
Israel	38 (2.1) ⬤	
Qatar	35 (2.0) ⬤	
International Avg.	34 (0.3)	
Canada	33 (1.8)	
Lebanon	32 (2.5)	
New Zealand	28 (2.3) ⬤	
Georgia	28 (2.6) ⬤	
Bahrain	27 (1.7) ⬤	
Thailand	27 (2.1) ⬤	
Kuwait	26 (2.4) ⬤	
England	24 (2.0) ⬤	
Sweden	24 (3.3) ⬤	
Australia	23 (1.9) ⬤	
Japan	23 (2.0) ⬤	
Botswana (9)	19 (1.5) ⬤	
Saudi Arabia	18 (2.1) ⬤	
Iran, Islamic Rep. of	18 (1.8) ⬤	
Morocco	18 (1.2) ⬤	
Norway (9)	17 (1.8) ⬤	
Lithuania	17 (2.2) ⬤	
Italy	13 (1.8) ⬤	
Chile	10 (1.3) ⬤	
South Africa (9)	7 (1.0) ⬤	
Benchmarking Participants		
Florida, US	42 (3.3) ⬤	
Dubai, UAE	42 (2.4) ⬤	
Ontario, Canada	38 (2.3) ⬤	
Abu Dhabi, UAE	37 (2.7)	
Quebec, Canada	21 (2.5) ⬤	
Norway (8)	20 (2.0) ⬤	
Buenos Aires, Argentina	3 (0.8) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_12 (S042273): Seeing lightning & hearing thunder
Constructed Response (1 Point)

Country	Percent Correct
Singapore	79 (1.7)
Japan	77 (1.8)
Chinese Taipei	73 (1.8)
Slovenia	71 (2.0)
Sweden	70 (2.0)
England	63 (2.3)
Korea, Rep. of	61 (2.1)
Hong Kong SAR	60 (2.4)
Turkey	58 (2.1)
Malta	58 (1.7)
Ireland	56 (2.4)
New Zealand	52 (2.3)
Hungary	51 (2.4)
United States	51 (1.7)
Australia	49 (2.0)
Russian Federation	48 (2.2)
Canada	47 (1.9)
Norway (9)	46 (2.4)
Qatar	45 (2.0)
Israel	45 (2.0)
International Avg.	44 (0.3)
United Arab Emirates	43 (1.3)
Lithuania	40 (2.7)
Italy	39 (2.4)
Bahrain	35 (2.2)
Oman	34 (2.0)
Kazakhstan	33 (2.8)
Saudi Arabia	32 (2.3)
Thailand	31 (2.2)
Egypt	30 (1.8)
Lebanon	29 (2.5)
Jordan	28 (1.7)
Georgia	27 (2.1)
Malaysia	26 (1.6)
Chile	24 (1.7)
Iran, Islamic Rep. of	23 (2.0)
Morocco	21 (1.5)
Kuwait	18 (1.9)
Botswana (9)	17 (1.3)
South Africa (9)	9 (1.3)
Benchmarking Participants	
Dubai, UAE	62 (1.9)
Ontario, Canada	47 (1.9)
Florida, US	43 (3.6)
Quebec, Canada	42 (3.2)
Norway (8)	36 (2.0)
Abu Dhabi, UAE	32 (2.3)
Buenos Aires, Argentina	29 (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

S07_13 (S042301): What causes an earthquake
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	93 (0.8) ⬤	
Ireland	80 (1.8) ⬤	
Slovenia	78 (2.1) ⬤	
England	77 (1.8) ⬤	
Australia	74 (2.1) ⬤	
New Zealand	74 (1.9) ⬤	
Russian Federation	72 (2.3) ⬤	
United States	70 (1.6) ⬤	
Norway (9)	70 (1.9) ⬤	
Sweden	70 (2.4) ⬤	
Lithuania	69 (2.8) ⬤	
Canada	66 (1.7) ⬤	
Hong Kong SAR	65 (2.1) ⬤	
Kazakhstan	64 (2.9) ⬤	
Chile	62 (2.1) ⬤	
Japan	58 (2.1) ⬤	
Singapore	56 (2.2) ⬤	
Israel	53 (2.4) ⬤	
United Arab Emirates	50 (1.3) ⬤	
Malta	50 (1.8) ⬤	
Italy	49 (2.5) ⬤	
International Avg.	49 (0.3) ⬤	
Hungary	46 (2.2) ⬤	
Thailand	44 (2.5) ⬤	
Turkey	41 (2.3) ⬤	
Oman	40 (1.8) ⬤	
Morocco	36 (1.6) ⬤	
Kuwait	36 (2.0) ⬤	
Qatar	34 (2.1) ⬤	
Saudi Arabia	32 (2.3) ⬤	
Bahrain	28 (1.9) ⬤	
Korea, Rep. of	28 (2.0) ⬤	
Jordan	22 (1.5) ⬤	
Iran, Islamic Rep. of	17 (1.6) ⬤	
South Africa (9)	16 (1.7) ⬤	
Botswana (9)	15 (1.5) ⬤	
Malaysia	15 (1.2) ⬤	
Egypt	15 (1.4) ⬤	
Lebanon	15 (2.0) ⬤	
Georgia	13 (1.8) ⬤	
Benchmarking Participants		
Quebec, Canada	82 (2.5) ⬤	
Norway (8)	67 (2.2) ⬤	
Florida, US	59 (2.9) ⬤	
Dubai, UAE	58 (1.8) ⬤	
Ontario, Canada	58 (2.1) ⬤	
Abu Dhabi, UAE	46 (2.7) ⬤	
Buenos Aires, Argentina	43 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S07_14 (S042312): What rotation of Earth causes
 Multiple Choice (Key is C)**

Country	Percent Correct
Hungary	82 (1.8) ⬤
Russian Federation	79 (2.1) ⬤
Slovenia	77 (1.6) ⬤
Japan	77 (1.7) ⬤
Korea, Rep. of	76 (1.9) ⬤
Kazakhstan	73 (2.3) ⬤
Singapore	72 (1.6) ⬤
Georgia	72 (2.3) ⬤
Italy	72 (2.3) ⬤
Turkey	71 (1.7) ⬤
Ireland	71 (2.1) ⬤
Chile	71 (2.2) ⬤
England	68 (1.6)
Bahrain	68 (2.5)
Thailand	66 (2.0)
Sweden	66 (2.8)
International Avg.	65 (0.3)
Qatar	64 (1.8)
Lithuania	64 (2.4)
Norway (9)	64 (2.4)
South Africa (9)	63 (1.3)
Israel	63 (1.8)
Canada	63 (1.8)
Chinese Taipei	63 (1.8)
Egypt	63 (1.9)
Malaysia	62 (1.8)
Saudi Arabia	62 (2.4)
United Arab Emirates	62 (1.3) ⬤
Morocco	62 (1.5) ⬤
Hong Kong SAR	62 (2.3)
Malta	60 (2.1) ⬤
Iran, Islamic Rep. of	60 (1.9) ⬤
Australia	59 (2.1) ⬤
Lebanon	58 (2.4) ⬤
Oman	56 (1.7) ⬤
Jordan	56 (2.1) ⬤
New Zealand	53 (1.8) ⬤
United States	53 (1.6) ⬤
Kuwait	49 (2.4) ⬤
Botswana (9)	47 (1.9) ⬤
Benchmarking Participants	
Dubai, UAE	70 (2.4) ⬤
Ontario, Canada	65 (2.1)
Norway (8)	63 (1.9)
Quebec, Canada	63 (3.2)
Buenos Aires, Argentina	60 (3.0)
Abu Dhabi, UAE	57 (2.3) ⬤
Florida, US	46 (3.4) ⬤

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_15 (S042217): Shadow of a tree on a sunny day
 Multiple Choice (Key is B)

Country	Percent Correct
Chinese Taipei	85 (1.3)
Singapore	75 (1.7)
Slovenia	72 (2.0)
Hong Kong SAR	69 (2.4)
Korea, Rep. of	66 (1.9)
Sweden	63 (2.1)
Hungary	60 (2.4)
Japan	59 (2.0)
Australia	54 (2.0)
Malaysia	53 (2.0)
Norway (9)	52 (2.3)
New Zealand	49 (1.6)
Turkey	48 (2.1)
England	47 (2.1)
Italy	47 (2.4)
Iran, Islamic Rep. of	47 (1.9)
Thailand	46 (2.1)
United States	46 (1.6)
Russian Federation	46 (2.5)
Canada	45 (1.8)
Ireland	44 (2.4)
International Avg.	44 (0.3)
Lithuania	43 (2.2)
Georgia	42 (2.9)
Malta	36 (1.8)
Bahrain	33 (1.9)
United Arab Emirates	33 (1.2)
Israel	33 (1.8)
Chile	32 (1.9)
Qatar	31 (1.9)
Kuwait	30 (2.0)
Kazakhstan	29 (2.8)
Oman	28 (1.5)
South Africa (9)	28 (1.2)
Saudi Arabia	27 (2.0)
Morocco	26 (1.1)
Egypt	25 (1.7)
Botswana (9)	25 (1.4)
Jordan	20 (1.4)
Lebanon	19 (2.0)
Benchmarking Participants	
Norway (8)	51 (2.3)
Ontario, Canada	47 (2.5)
Dubai, UAE	40 (1.9)
Quebec, Canada	40 (2.8)
Florida, US	32 (3.2)
Abu Dhabi, UAE	32 (2.3)
Buenos Aires, Argentina	29 (2.5)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S07_16 (S042406): Direction river flows Constructed Response (1 Point)

Country	Percent Correct	
Chinese Taipei	71 (1.6)	
Japan	58 (2.1)	
Norway (9)	56 (2.6)	
Hong Kong SAR	56 (2.5)	
Kazakhstan	53 (2.2)	
Slovenia	53 (2.6)	
Sweden	49 (2.4)	
Hungary	49 (2.1)	
Russian Federation	48 (2.6)	
Ireland	46 (1.9)	
Singapore	45 (1.7)	
Korea, Rep. of	43 (2.3)	
New Zealand	41 (2.2)	
Lithuania	35 (2.5)	
United States	35 (1.7)	
Canada	35 (1.8)	
Australia	34 (1.6)	
England	34 (1.9)	
Malta	31 (2.0)	
Israel	31 (1.9)	
International Avg.	31 (0.3)	
Italy	30 (2.2)	
Georgia	27 (2.1)	
Chile	26 (1.9)	
Iran, Islamic Rep. of	25 (1.5)	
Thailand	18 (1.5)	
Oman	17 (1.2)	
Morocco	16 (1.2)	
United Arab Emirates	16 (1.0)	
Turkey	15 (1.4)	
Malaysia	15 (1.5)	
Lebanon	14 (1.8)	
Bahrain	14 (1.4)	
Saudi Arabia	11 (1.3)	
Kuwait	10 (1.7)	
Qatar	10 (1.3)	
South Africa (9)	7 (1.0)	
Jordan	7 (0.9)	
Egypt	6 (0.9)	
Botswana (9)	4 (0.7)	
Benchmarking Participants		
Norway (8)	43 (2.3)	
Quebec, Canada	38 (2.8)	
Ontario, Canada	30 (2.0)	
Dubai, UAE	22 (1.3)	
Florida, US	21 (2.9)	
Abu Dhabi, UAE	13 (1.7)	
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

S08_01 (S062055): Process absorbing light energy
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	95 (0.8) ▲	
Korea, Rep. of	95 (0.9) ▲	
Hong Kong SAR	94 (1.1) ▲	
Singapore	90 (1.1) ▲	
Japan	86 (1.3) ▲	
England	82 (1.7) ▲	
Lithuania	81 (1.7) ▲	
Russian Federation	81 (1.8) ▲	
United States	80 (1.3) ▲	
Oman	79 (1.4) ▲	
United Arab Emirates	77 (1.2) ▲	
Bahrain	77 (1.9) ▲	
Israel	77 (1.9) ▲	
Kuwait	76 (2.4) ▲	
Thailand	76 (1.9) ▲	
Canada	76 (1.4) ▲	
Ireland	76 (2.0) ▲	
Qatar	76 (1.3) ▲	
Italy	75 (2.0) ▲	
New Zealand	75 (1.9) ▲	
Saudi Arabia	75 (1.7) ▲	
International Avg.	73 (0.3)	
Norway (9)	72 (2.0) ▲	
Sweden	71 (2.2) ▲	
Kazakhstan	71 (2.1) ▲	
Australia	70 (1.7) ▲	
Egypt	70 (1.6) ▲	
Chile	70 (1.7) ▲	
Morocco	69 (1.5) ▽	
Jordan	67 (2.0) ▽	
Georgia	65 (2.6) ▽	
Malta	64 (1.9) ▽	
Lebanon	62 (3.3) ▽	
Hungary	60 (2.5) ▽	
Iran, Islamic Rep. of	57 (2.2) ▽	
Botswana (9)	54 (1.9) ▽	
Malaysia	54 (2.2) ▽	
South Africa (9)	53 (1.4) ▽	
Turkey	52 (1.7) ▽	
Slovenia	49 (2.8) ▽	
Benchmarking Participants		
Quebec, Canada	82 (2.2) ▲	
Dubai, UAE	81 (1.1) ▲	
Florida, US	76 (2.9) ▲	
Abu Dhabi, UAE	75 (2.0) ▲	
Ontario, Canada	73 (1.7) ▲	
Norway (8)	68 (2.3) ▽	
Buenos Aires, Argentina	67 (2.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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 (S062007): Models of carbon dioxide
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	83 (1.6) ⬤	
Chinese Taipei	80 (1.7) ⬤	
Slovenia	74 (2.0) ⬤	
Singapore	73 (1.8) ⬤	
Sweden	66 (2.1) ⬤	
Hungary	64 (2.2) ⬤	
Korea, Rep. of	61 (2.0) ⬤	
Russian Federation	61 (2.1) ⬤	
Norway (9)	60 (2.5) ⬤	
Kazakhstan	59 (3.0) ⬤	
United States	58 (1.5) ⬤	
Lithuania	58 (2.4) ⬤	
Israel	56 (2.1) ⬤	
England	55 (2.1) ⬤	
Turkey	54 (2.0) ⬤	
Morocco	54 (1.9) ⬤	
United Arab Emirates	50 (1.2)	
Australia	50 (2.0)	
International Avg.	50 (0.3)	
Georgia	47 (3.2)	
Canada	47 (1.6)	
New Zealand	46 (1.7)	
Lebanon	46 (2.8)	
Chile	46 (2.1)	
Malta	44 (2.0) ⬤	
Hong Kong SAR	44 (2.2) ⬤	
Ireland	42 (2.6) ⬤	
Egypt	42 (1.8) ⬤	
Kuwait	42 (2.6) ⬤	
Italy	42 (2.4) ⬤	
Jordan	40 (2.1) ⬤	
Bahrain	38 (1.9) ⬤	
Qatar	38 (1.9) ⬤	
Thailand	37 (1.9) ⬤	
Malaysia	37 (1.9) ⬤	
Iran, Islamic Rep. of	33 (2.3) ⬤	
South Africa (9)	32 (1.9) ⬤	
Oman	30 (1.8) ⬤	
Saudi Arabia	26 (2.1) ⬤	
Botswana (9)	23 (1.6) ⬤	
Benchmarking Participants		
Quebec, Canada	68 (3.0) ⬤	
Dubai, UAE	57 (2.1) ⬤	
Norway (8)	52 (2.4)	
Abu Dhabi, UAE	49 (2.3)	
Florida, US	48 (3.0)	
Ontario, Canada	37 (2.1) ⬤	
Buenos Aires, Argentina	25 (2.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S08_03 (S062275): Separate oil and water
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	60 (2.0)	
Singapore	58 (1.6)	
Korea, Rep. of	50 (2.3)	
Japan	49 (2.3)	
Slovenia	49 (2.3)	
Israel	48 (2.2)	
Canada	46 (1.7)	
Turkey	45 (2.2)	
Ireland	45 (2.0)	
Australia	44 (2.2)	
Hungary	44 (2.2)	
Norway (9)	43 (2.7)	
New Zealand	42 (2.0)	
Sweden	41 (2.3)	
Iran, Islamic Rep. of	40 (2.2)	
United States	39 (2.0)	
Malta	36 (2.0)	
Italy	36 (1.9)	
Kazakhstan	34 (2.4)	
International Avg.	33 (0.3)	
England	32 (2.1)	
Thailand	32 (1.8)	
Russian Federation	31 (2.5)	
Malaysia	29 (1.5)	
Oman	28 (1.7)	
Lebanon	27 (2.3)	
United Arab Emirates	26 (1.5)	
Georgia	26 (2.6)	
Jordan	25 (1.8)	
Qatar	24 (2.1)	
Lithuania	23 (1.9)	
Hong Kong SAR	20 (2.0)	
Bahrain	19 (1.9)	
Egypt	19 (1.5)	
Morocco	17 (1.3)	
Saudi Arabia	15 (1.9)	
Chile	15 (1.2)	
Botswana (9)	15 (1.3)	
Kuwait	14 (1.9)	
South Africa (9)	10 (1.0)	
Benchmarking Participants		
Quebec, Canada	50 (3.4)	
Ontario, Canada	44 (2.0)	
Norway (8)	37 (2.3)	
Dubai, UAE	35 (2.3)	
Florida, US	29 (2.3)	
Abu Dhabi, UAE	22 (3.0)	
Buenos Aires, Argentina	8 (1.5)	

Percent significantly higher than international average

Percent significantly lower 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 (S062225): Bone structure of forelimbs
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	68 (2.0)	
United States	61 (1.4)	
Italy	53 (2.6)	
Chinese Taipei	52 (1.9)	
Kazakhstan	52 (2.8)	
Chile	52 (2.0)	
England	51 (2.4)	
Norway (9)	48 (2.2)	
Malta	47 (2.0)	
New Zealand	46 (2.2)	
Australia	46 (1.8)	
Ireland	45 (2.0)	
Russian Federation	45 (2.4)	
United Arab Emirates	42 (2.0)	
Singapore	42 (1.7)	
Canada	42 (1.8)	
International Avg.	38 (0.3)	
Hong Kong SAR	36 (2.4)	
Korea, Rep. of	36 (2.3)	
Slovenia	36 (1.8)	
Israel	36 (1.9)	
Turkey	35 (1.9)	
Kuwait	35 (2.1)	
Hungary	34 (2.1)	
Sweden	34 (2.3)	
Jordan	34 (1.7)	
Lithuania	34 (2.5)	
Qatar	33 (1.8)	
Bahrain	32 (2.3)	
South Africa (9)	31 (1.4)	
Morocco	30 (1.4)	
Georgia	26 (2.7)	
Lebanon	25 (2.0)	
Egypt	23 (1.5)	
Iran, Islamic Rep. of	23 (1.9)	
Botswana (9)	22 (1.5)	
Thailand	21 (1.7)	
Oman	17 (1.4)	
Malaysia	16 (1.3)	
Saudi Arabia	- -	
Benchmarking Participants		
Florida, US	57 (3.1)	
Norway (8)	48 (1.8)	
Dubai, UAE	46 (3.0)	
Ontario, Canada	45 (2.4)	
Abu Dhabi, UAE	40 (3.3)	
Quebec, Canada	34 (2.9)	
Buenos Aires, Argentina	30 (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.

A dash (-) indicates comparable data not available

TIMSS 2015 Percent Correct Statistics for Achievement Items

S08_05 (S062111): Group food in balanced diet
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Sweden	61 (2.7) ⬤	76 (2.1) ⬤
Japan	52 (2.1) ⬤	86 (1.4) ⬤
England	52 (2.4) ⬤	75 (2.4) ⬤
Ireland	43 (2.0) ⬤	70 (2.2) ⬤
New Zealand	41 (1.7) ⬤	65 (1.6) ⬤
Malaysia	38 (1.9) ⬤	57 (2.1) ⬤
Singapore	35 (1.8) ⬤	72 (1.6) ⬤
Korea, Rep. of	34 (2.0) ⬤	76 (1.8) ⬤
Botswana (9)	34 (1.6) ⬤	55 (1.5) ⬤
Australia	33 (1.7) ⬤	62 (1.7) ⬤
Malta	33 (1.8) ⬤	62 (2.0) ⬤
Thailand	33 (2.2) ⬤	57 (2.2) ⬤
Russian Federation	32 (2.8) ⬤	58 (2.7) ⬤
Chinese Taipei	32 (1.7) ⬤	72 (1.8) ⬤
Italy	31 (2.6) ⬤	60 (2.5) ⬤
Kazakhstan	30 (2.2) ⬤	66 (2.3) ⬤
Hungary	30 (1.9) ⬤	73 (1.9) ⬤
Slovenia	29 (2.2) ⬤	70 (2.4) ⬤
Hong Kong SAR	28 (1.7) ⬤	73 (2.0) ⬤
Norway (9)	28 (2.3) ⬤	53 (2.5) ⬤
Canada	27 (1.6) ⬤	57 (1.7) ⬤
International Avg.	26 (0.3) ⬤	53 (0.3) ⬤
United States	25 (1.4) ⬤	56 (1.6) ⬤
Oman	23 (1.6) ⬤	47 (2.0) ⬤
Israel	21 (1.4) ⬤	62 (2.0) ⬤
United Arab Emirates	20 (1.3) ⬤	43 (1.5) ⬤
Bahrain	17 (1.3) ⬤	36 (1.8) ⬤
Qatar	16 (1.1) ⬤	41 (2.4) ⬤
Lithuania	16 (1.8) ⬤	48 (2.4) ⬤
South Africa (9)	15 (1.2) ⬤	38 (1.9) ⬤
Turkey	13 (1.3) ⬤	48 (2.3) ⬤
Georgia	12 (1.9) ⬤	30 (2.5) ⬤
Egypt	12 (1.5) ⬤	32 (1.8) ⬤
Chile	12 (1.5) ⬤	30 (2.3) ⬤
Lebanon	10 (1.4) ⬤	25 (2.3) ⬤
Jordan	9 (1.1) ⬤	30 (2.1) ⬤
Iran, Islamic Rep. of	8 (1.1) ⬤	28 (1.7) ⬤
Morocco	6 (0.6) ⬤	23 (1.2) ⬤
Saudi Arabia	5 (1.3) ⬤	20 (1.8) ⬤
Kuwait	4 (1.1) ⬤	22 (2.3) ⬤
Benchmarking Participants		
Ontario, Canada	29 (2.2) ⬤	63 (2.1) ⬤
Dubai, UAE	29 (1.5) ⬤	57 (2.4) ⬤
Quebec, Canada	22 (2.4) ⬤	46 (3.0) ⬤
Abu Dhabi, UAE	17 (3.0) ⬤	34 (2.8) ⬤
Norway (8)	17 (1.5) ⬤	38 (2.4) ⬤
Florida, US	16 (2.8) ⬤	37 (3.5) ⬤
Buenos Aires, Argentina	5 (1.2) ⬤	19 (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_06A (S062116A): Population change years 2-3
Constructed Response (1 Point)

Country	Percent Correct
Chinese Taipei	76 (1.5)
Korea, Rep. of	69 (2.0)
Japan	64 (2.2)
Singapore	51 (1.9)
Hong Kong SAR	51 (2.5)
Ireland	51 (2.0)
Russian Federation	49 (2.3)
Sweden	49 (2.4)
Hungary	49 (2.5)
Canada	48 (1.7)
England	48 (2.3)
Lithuania	46 (2.5)
New Zealand	46 (1.5)
Australia	43 (2.1)
Norway (9)	42 (2.8)
Slovenia	40 (2.0)
Israel	38 (1.7)
United States	37 (1.6)
Italy	36 (2.3)
International Avg.	35 (0.3)
Kazakhstan	34 (2.5)
United Arab Emirates	30 (1.4)
Qatar	29 (2.1)
Turkey	28 (1.8)
Malta	27 (1.8)
Bahrain	26 (1.8)
Chile	25 (2.0)
Oman	23 (1.5)
Saudi Arabia	23 (2.5)
Thailand	22 (2.0)
Iran, Islamic Rep. of	22 (1.8)
Morocco	20 (1.3)
Georgia	20 (2.2)
Kuwait	19 (2.3)
Lebanon	18 (2.3)
Egypt	15 (1.5)
Malaysia	15 (1.4)
Jordan	15 (1.6)
Botswana (9)	8 (1.1)
South Africa (9)	6 (1.2)
Benchmarking Participants	
Ontario, Canada	50 (2.4)
Quebec, Canada	47 (3.2)
Norway (8)	38 (2.1)
Dubai, UAE	37 (2.4)
Florida, US	29 (3.3)
Abu Dhabi, UAE	27 (2.4)
Buenos Aires, Argentina	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

S08_06B (S062116B): Population change years 4-6
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Sweden	48 (2.6) ⬤	
Singapore	47 (1.8) ⬤	
Chinese Taipei	44 (1.7) ⬤	
Canada	41 (1.6) ⬤	
Hungary	40 (1.9) ⬤	
Ireland	40 (2.2) ⬤	
England	39 (2.4) ⬤	
Japan	36 (1.9) ⬤	
Norway (9)	36 (2.5) ⬤	
Israel	36 (1.9) ⬤	
United States	34 (1.7) ⬤	
New Zealand	33 (1.7) ⬤	
Hong Kong SAR	32 (2.4) ⬤	
Australia	32 (2.0) ⬤	
Korea, Rep. of	30 (1.9) ⬤	
Slovenia	29 (1.8) ⬤	
Malaysia	24 (1.6)	
International Avg.	24 (0.3)	
Russian Federation	24 (1.6)	
Malta	24 (1.6)	
Italy	23 (1.6)	
Lithuania	22 (2.1)	
Kazakhstan	21 (2.2)	
United Arab Emirates	20 (1.2) ⬤	
Qatar	18 (1.5) ⬤	
Oman	17 (1.3) ⬤	
Chile	16 (1.6) ⬤	
Kuwait	15 (2.0) ⬤	
Bahrain	15 (1.7) ⬤	
Saudi Arabia	13 (1.7) ⬤	
Turkey	11 (1.3) ⬤	
Lebanon	11 (1.9) ⬤	
Thailand	11 (1.3) ⬤	
Iran, Islamic Rep. of	11 (1.4) ⬤	
Jordan	9 (1.2) ⬤	
Georgia	9 (1.3) ⬤	
Morocco	8 (0.9) ⬤	
Botswana (9)	8 (0.9) ⬤	
Egypt	7 (0.9) ⬤	
South Africa (9)	5 (0.8) ⬤	
Benchmarking Participants		
Ontario, Canada	42 (1.9) ⬤	
Quebec, Canada	39 (2.3) ⬤	
Dubai, UAE	34 (2.1) ⬤	
Norway (8)	31 (1.7) ⬤	
Florida, US	26 (3.2)	
Abu Dhabi, UAE	14 (1.7) ⬤	
Buenos Aires, Argentina	9 (1.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S08_06C (S062116C): Species of fish best survive
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	35 (1.7)	
Slovenia	34 (2.6)	
Norway (9)	31 (2.0)	
Kazakhstan	30 (2.3)	
Canada	30 (1.6)	
Chinese Taipei	28 (1.7)	
Japan	26 (1.8)	
Sweden	25 (2.2)	
Hungary	24 (1.6)	
England	23 (2.0)	
Lithuania	22 (2.1)	
Israel	21 (1.4)	
Bahrain	21 (1.6)	
New Zealand	21 (1.6)	
Chile	20 (2.0)	
United Arab Emirates	20 (1.1)	
Hong Kong SAR	20 (1.7)	
Korea, Rep. of	19 (1.8)	
Russian Federation	19 (1.8)	
International Avg.	19 (0.3)	
Ireland	19 (1.4)	
United States	18 (1.2)	
Qatar	18 (1.8)	
Italy	18 (1.7)	
Turkey	18 (1.6)	
Malta	17 (1.4)	
Oman	17 (1.2)	
Saudi Arabia	17 (2.2)	
Jordan	16 (1.3)	
Kuwait	15 (1.8)	
Morocco	15 (1.2)	
Australia	11 (0.9)	
Malaysia	11 (1.4)	
Georgia	11 (1.6)	
Egypt	10 (1.0)	
Lebanon	10 (1.6)	
Botswana (9)	8 (1.1)	
Iran, Islamic Rep. of	7 (1.0)	
Thailand	7 (0.9)	
South Africa (9)	5 (0.9)	
Benchmarking Participants		
Ontario, Canada	31 (2.2)	
Dubai, UAE	29 (2.2)	
Quebec, Canada	28 (2.8)	
Norway (8)	25 (2.1)	
Abu Dhabi, UAE	18 (1.8)	
Florida, US	11 (1.9)	
Buenos Aires, Argentina	9 (1.2)	

Percent significantly higher than international average

Percent significantly lower 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 (S062262): Sound used by animals
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	82 (1.5) ⬤	
Slovenia	76 (2.1) ⬤	
Norway (9)	75 (2.2) ⬤	
Hungary	67 (2.0) ⬤	
Sweden	65 (2.4) ⬤	
Egypt	61 (1.6) ⬤	
Korea, Rep. of	60 (2.1) ⬤	
Turkey	60 (2.4) ⬤	
Thailand	58 (2.0) ⬤	
Russian Federation	56 (2.4) ⬤	
Kazakhstan	55 (3.0) ⬤	
Hong Kong SAR	54 (2.2) ⬤	
Oman	51 (1.6) ⬤	
Iran, Islamic Rep. of	51 (2.1) ⬤	
Israel	50 (1.8) ⬤	
Jordan	49 (1.7) ⬤	
Japan	48 (1.9)	
Lithuania	48 (2.8)	
International Avg.	45 (0.3)	
Ireland	44 (2.2)	
United Arab Emirates	41 (1.2) ⬤	
Botswana (9)	41 (1.8) ⬤	
Lebanon	40 (2.7)	
United States	40 (1.7) ⬤	
Singapore	39 (1.8) ⬤	
Malaysia	39 (1.7) ⬤	
Bahrain	38 (1.9) ⬤	
Canada	38 (2.0) ⬤	
Georgia	35 (2.4) ⬤	
Australia	33 (1.6) ⬤	
Kuwait	33 (2.4) ⬤	
New Zealand	32 (1.9) ⬤	
England	31 (1.9) ⬤	
Qatar	31 (1.8) ⬤	
South Africa (9)	28 (1.4) ⬤	
Italy	28 (2.0) ⬤	
Malta	27 (1.9) ⬤	
Morocco	25 (1.3) ⬤	
Chile	17 (1.9) ⬤	
Saudi Arabia	11 (1.6) ⬤	
Benchmarking Participants		
Norway (8)	76 (1.8) ⬤	
Dubai, UAE	42 (2.3)	
Ontario, Canada	41 (2.8)	
Abu Dhabi, UAE	40 (2.1) ⬤	
Quebec, Canada	33 (2.8) ⬤	
Florida, US	29 (2.6) ⬤	
Buenos Aires, Argentina	9 (1.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S08_08 (S062035): Heating water on a stove
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	73 (1.9) ⬤	
Singapore	73 (1.6) ⬤	
Malaysia	68 (1.8) ⬤	
Japan	65 (2.0) ⬤	
Chinese Taipei	62 (2.0) ⬤	
Russian Federation	55 (2.5) ⬤	
Sweden	53 (2.5) ⬤	
Norway (9)	52 (2.4) ⬤	
Kazakhstan	52 (2.8) ⬤	
Hong Kong SAR	48 (2.7) ⬤	
Hungary	46 (2.5) ⬤	
Lebanon	45 (2.6) ⬤	
Georgia	42 (2.8)	
Turkey	40 (2.0)	
Lithuania	40 (2.5)	
Slovenia	39 (1.9)	
International Avg.	38 (0.3)	
Ireland	37 (2.1)	
Israel	36 (2.1)	
England	36 (2.0)	
Botswana (9)	35 (2.1)	
Australia	32 (1.8) ⬤	
Malta	31 (2.2) ⬤	
Canada	31 (2.1) ⬤	
New Zealand	31 (1.6) ⬤	
Jordan	31 (2.0) ⬤	
Bahrain	31 (2.3) ⬤	
Egypt	30 (1.5) ⬤	
Saudi Arabia	28 (2.6) ⬤	
Thailand	28 (2.1) ⬤	
Qatar	27 (1.6) ⬤	
Italy	27 (2.4) ⬤	
Morocco	26 (1.6) ⬤	
Iran, Islamic Rep. of	26 (1.9) ⬤	
United Arab Emirates	25 (1.2) ⬤	
Oman	24 (1.7) ⬤	
United States	22 (1.3) ⬤	
Kuwait	19 (1.8) ⬤	
South Africa (9)	18 (1.3) ⬤	
Chile	16 (1.5) ⬤	
Benchmarking Participants		
Quebec, Canada	48 (4.3) ⬤	
Norway (8)	47 (2.2) ⬤	
Dubai, UAE	31 (2.1) ⬤	
Ontario, Canada	23 (1.9) ⬤	
Abu Dhabi, UAE	23 (2.2) ⬤	
Florida, US	20 (2.4) ⬤	
Buenos Aires, Argentina	18 (1.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S08_09 (S062144): Energy change in sliding
 Multiple Choice (Key is D)

Country	Percent Correct	
Korea, Rep. of	95 (1.0)	
Singapore	90 (1.0)	
Hong Kong SAR	90 (1.3)	
Chinese Taipei	89 (1.2)	
United States	85 (1.1)	
Hungary	84 (1.8)	
Israel	81 (1.5)	
Russian Federation	81 (1.7)	
Malaysia	78 (1.6)	
Australia	77 (1.4)	
Japan	77 (1.8)	
England	75 (2.1)	
Kazakhstan	74 (1.9)	
Iran, Islamic Rep. of	74 (1.9)	
Ireland	72 (1.9)	
New Zealand	71 (1.6)	
Malta	71 (1.8)	
Lithuania	71 (2.2)	
Jordan	69 (1.9)	
Egypt	69 (1.9)	
United Arab Emirates	69 (1.2)	
Italy	68 (2.1)	
International Avg.	68 (0.3)	
Kuwait	67 (2.3)	
Morocco	67 (1.5)	
Turkey	66 (1.8)	
Oman	65 (1.9)	
Bahrain	65 (1.7)	
Qatar	64 (1.7)	
Botswana (9)	64 (1.7)	
Canada	63 (1.9)	
Georgia	60 (2.9)	
Sweden	59 (2.4)	
Chile	53 (2.2)	
Lebanon	51 (2.7)	
Thailand	51 (2.3)	
South Africa (9)	45 (1.7)	
Slovenia	40 (2.3)	
Norway (9)	37 (1.8)	
Saudi Arabia	5 (1.4)	
Benchmarking Participants		
Florida, US	85 (2.2)	
Dubai, UAE	78 (1.5)	
Abu Dhabi, UAE	67 (2.3)	
Ontario, Canada	66 (2.2)	
Quebec, Canada	59 (4.0)	
Buenos Aires, Argentina	33 (2.3)	
Norway (8)	31 (2.1)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S08_10 (S062162): Moving box onto truck
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	66 (2.1) ▲	
Japan	61 (1.9) ▲	
Slovenia	58 (2.3) ▲	
Canada	53 (1.9) ▲	
Hungary	51 (2.3) ▲	
Chinese Taipei	47 (1.8) ▲	
Kazakhstan	47 (2.4) ▲	
Norway (9)	46 (2.6) ▲	
Russian Federation	45 (2.5) ▲	
Ireland	42 (2.0) ▲	
Sweden	42 (3.1) ▲	
Australia	42 (2.0) ▲	
England	40 (2.6) ▲	
Lithuania	39 (2.4) ▲	
Hong Kong SAR	39 (2.5) ▲	
New Zealand	37 (1.9) ▲	
Turkey	35 (1.8)	
Italy	34 (2.3)	
International Avg.	32 (0.3)	
Israel	32 (1.7)	
Malta	32 (1.7)	
Thailand	31 (2.0)	
Chile	30 (1.9)	
Singapore	30 (1.5)	
Iran, Islamic Rep. of	28 (1.5) ▽	
Bahrain	28 (1.8) ▽	
Georgia	27 (2.2) ▽	
Saudi Arabia	26 (2.5) ▽	
United States	25 (1.5) ▽	
Oman	23 (1.4) ▽	
United Arab Emirates	20 (1.1) ▽	
Malaysia	17 (1.3) ▽	
Kuwait	14 (1.6) ▽	
Qatar	14 (1.2) ▽	
Morocco	13 (0.9) ▽	
South Africa (9)	8 (1.1) ▽	
Egypt	8 (1.0) ▽	
Lebanon	8 (1.5) ▽	
Botswana (9)	8 (1.1) ▽	
Jordan	7 (0.9) ▽	
Benchmarking Participants		
Quebec, Canada	60 (3.7) ▲	
Ontario, Canada	50 (2.0) ▲	
Norway (8)	37 (2.2) ▲	
Dubai, UAE	30 (2.5)	
Buenos Aires, Argentina	16 (1.6) ▽	
Abu Dhabi, UAE	16 (1.7) ▽	
Florida, US	15 (2.2) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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 (S062233): Water source for desalinization
 Multiple Choice (Key is B)

Country	Percent Correct
Japan	81 (1.5)
Korea, Rep. of	79 (1.5)
Singapore	75 (1.5)
Chinese Taipei	72 (1.5)
Sweden	66 (2.3)
United States	64 (1.5)
Hungary	63 (1.9)
Qatar	63 (1.9)
Ireland	63 (2.1)
England	62 (2.3)
Australia	62 (1.7)
New Zealand	61 (1.8)
Hong Kong SAR	60 (2.2)
Slovenia	60 (2.1)
United Arab Emirates	60 (1.4)
Oman	59 (1.6)
Canada	58 (1.9)
Bahrain	57 (2.0)
Malaysia	57 (1.6)
Israel	55 (1.9)
International Avg.	54 (0.3)
Italy	54 (2.2)
Malta	52 (2.0)
Chile	52 (2.4)
Egypt	51 (1.9)
Thailand	51 (2.4)
Norway (9)	49 (2.5)
Morocco	48 (1.8)
Kazakhstan	46 (2.8)
Jordan	45 (2.1)
Russian Federation	45 (2.6)
South Africa (9)	45 (1.7)
Lebanon	44 (2.5)
Turkey	43 (2.2)
Kuwait	42 (2.4)
Lithuania	40 (2.4)
Georgia	36 (2.9)
Iran, Islamic Rep. of	35 (1.9)
Botswana (9)	35 (1.6)
Saudi Arabia	30 (2.1)
Benchmarking Participants	
Dubai, UAE	62 (2.7)
Quebec, Canada	60 (3.8)
Abu Dhabi, UAE	59 (2.2)
Ontario, Canada	59 (2.3)
Florida, US	56 (3.0)
Norway (8)	49 (2.4)
Buenos Aires, Argentina	45 (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

S08_13 (S062171): Mountain range at edge of ocean
 Multiple Choice (Key is C)

Country	Percent Correct	
Japan	70 (1.8)	
Chinese Taipei	67 (1.8)	
Slovenia	63 (2.2)	
Russian Federation	63 (2.3)	
Oman	59 (1.8)	
Ireland	59 (2.1)	
Israel	59 (1.9)	
Norway (9)	59 (2.4)	
Australia	58 (1.8)	
Singapore	58 (1.6)	
Kazakhstan	57 (3.0)	
New Zealand	57 (1.7)	
Italy	56 (1.9)	
England	55 (1.8)	
Lithuania	54 (2.6)	
Hungary	54 (1.9)	
Turkey	53 (2.4)	
Malaysia	53 (1.8)	
Sweden	52 (2.3)	
Thailand	52 (1.8)	
United States	52 (1.3)	
Chile	51 (2.3)	
Korea, Rep. of	50 (2.1)	
International Avg.	50 (0.3)	
Canada	49 (1.9)	
United Arab Emirates	49 (1.5)	
Hong Kong SAR	47 (2.3)	
Georgia	47 (2.3)	
Iran, Islamic Rep. of	45 (2.2)	
Lebanon	45 (2.6)	
Malta	43 (2.1)	
Qatar	43 (1.8)	
Bahrain	42 (2.2)	
Saudi Arabia	41 (2.3)	
Egypt	36 (1.6)	
Morocco	31 (1.4)	
South Africa (9)	29 (1.7)	
Botswana (9)	28 (1.8)	
Jordan	27 (1.7)	
Kuwait	23 (1.7)	
Benchmarking Participants		
Quebec, Canada	59 (3.3)	
Dubai, UAE	54 (2.2)	
Norway (8)	53 (2.1)	
Florida, US	48 (3.1)	
Ontario, Canada	45 (2.3)	
Abu Dhabi, UAE	43 (1.8)	
Buenos Aires, Argentina	40 (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 (S052076): Best source of carbohydrates Multiple Choice (Key is A)

Country	Percent Correct	
Japan	87 (1.4)	
Korea, Rep. of	86 (1.2)	
Hong Kong SAR	84 (1.8)	
Ireland	83 (1.3)	
England	80 (1.6)	
Singapore	77 (1.5)	
Sweden	75 (2.9)	
Malta	74 (1.6)	
Slovenia	70 (2.0)	
Malaysia	69 (1.7)	
Israel	68 (1.6)	
Kazakhstan	66 (2.2)	
New Zealand	66 (2.1)	
Australia	61 (1.9)	
Thailand	59 (2.5)	
Chinese Taipei	59 (1.8)	
Turkey	58 (2.3)	
International Avg.	56 (0.3)	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
United States	56 (1.5)	
Italy	55 (2.4)	
Russian Federation	54 (2.8)	
Botswana (9)	53 (1.6)	
United Arab Emirates	51 (1.3)	
South Africa (9)	51 (1.7)	
Norway (9)	50 (2.4)	
Jordan	50 (1.9)	
Canada	50 (1.6)	
Lithuania	49 (2.7)	
Qatar	49 (2.0)	
Hungary	46 (2.3)	
Egypt	46 (1.8)	
Iran, Islamic Rep. of	40 (2.0)	
Bahrain	40 (1.9)	
Lebanon	39 (2.4)	
Georgia	38 (2.9)	
Oman	37 (1.8)	
Kuwait	36 (2.2)	
Chile	36 (2.4)	
Saudi Arabia	28 (2.3)	
Morocco	16 (1.1)	
Benchmarking Participants		
Dubai, UAE	64 (1.6)	
Ontario, Canada	57 (2.2)	
Florida, US	45 (3.6)	
Abu Dhabi, UAE	42 (2.4)	
Quebec, Canada	35 (2.4)	
Norway (8)	32 (2.3)	
Buenos Aires, Argentina	26 (2.2)	

Percent significantly higher than international average

Percent significantly lower 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_02 (S052272): Trout and frog populations
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	80 (1.9) ▲	
Korea, Rep. of	79 (1.6) ▲	
Chinese Taipei	79 (1.6) ▲	
Singapore	77 (1.5) ▲	
Hong Kong SAR	77 (2.2) ▲	
Norway (9)	72 (2.2) ▲	
Lithuania	70 (2.2) ▲	
Russian Federation	70 (2.4) ▲	
Sweden	68 (2.1) ▲	
Israel	67 (2.0) ▲	
England	67 (2.3) ▲	
Ireland	65 (2.0) ▲	
United States	64 (1.5) ▲	
Canada	64 (1.5) ▲	
Australia	64 (2.0) ▲	
Italy	61 (2.1) ▲	
Hungary	61 (2.1) ▲	
Slovenia	61 (2.7) ▲	
New Zealand	61 (2.0) ▲	
Malaysia	58 (2.2) ▲	
Kazakhstan	54 (3.2)	
Thailand	52 (2.3)	
International Avg.	52 (0.3)	
Turkey	47 (2.1) ▽	
Chile	44 (2.1) ▽	
Iran, Islamic Rep. of	43 (2.1) ▽	
Georgia	43 (2.3) ▽	
Malta	43 (1.9) ▽	
United Arab Emirates	41 (1.2) ▽	
Qatar	41 (2.1) ▽	
Bahrain	40 (2.2) ▽	
Oman	37 (1.6) ▽	
Morocco	30 (1.1) ▽	
Saudi Arabia	30 (2.3) ▽	
Egypt	28 (1.6) ▽	
Jordan	25 (1.9) ▽	
Lebanon	23 (2.5) ▽	
Kuwait	20 (2.0) ▽	
Botswana (9)	16 (1.2) ▽	
South Africa (9)	12 (1.6) ▽	
Benchmarking Participants		
Quebec, Canada	68 (3.1) ▲	
Norway (8)	64 (2.1) ▲	
Ontario, Canada	61 (2.0) ▲	
Florida, US	58 (2.9)	
Dubai, UAE	52 (1.8)	
Abu Dhabi, UAE	36 (2.1) ▽	
Buenos Aires, Argentina	28 (2.2) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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_03A (S052085A): Crocodile facts: Why well suited Constructed Response (1 Point)

Country	Percent Correct	
Japan	35 (1.6)	
England	34 (2.1)	
Singapore	33 (1.7)	
Chinese Taipei	31 (1.8)	
Ireland	31 (1.6)	
Lithuania	31 (2.3)	
Kazakhstan	29 (2.4)	
United States	29 (1.2)	
Sweden	28 (2.1)	
Slovenia	27 (2.1)	
Canada	25 (1.7)	
Korea, Rep. of	25 (1.8)	
New Zealand	25 (1.3)	
Australia	24 (1.6)	
Hong Kong SAR	23 (2.2)	
Malta	22 (1.7)	
Jordan	21 (1.8)	
Norway (9)	20 (1.9)	
International Avg.	19 (0.2)	
Russian Federation	18 (1.8)	
Israel	17 (1.3)	
Italy	17 (1.5)	
Hungary	15 (1.5)	
Georgia	15 (1.6)	
Chile	15 (1.6)	
Oman	14 (1.0)	
Qatar	14 (1.4)	
Turkey	14 (1.5)	
Egypt	14 (1.4)	
Kuwait	14 (1.5)	
United Arab Emirates	12 (0.7)	
Bahrain	11 (1.2)	
Thailand	9 (1.2)	
Saudi Arabia	8 (1.2)	
Lebanon	6 (1.2)	
Malaysia	6 (0.9)	
Iran, Islamic Rep. of	5 (1.0)	
Botswana (9)	4 (0.7)	
South Africa (9)	3 (0.8)	
Morocco	2 (0.3)	
Benchmarking Participants		
Quebec, Canada	28 (2.1)	
Florida, US	26 (3.1)	
Ontario, Canada	23 (1.9)	
Dubai, UAE	21 (1.6)	
Norway (8)	14 (1.4)	
Buenos Aires, Argentina	12 (1.4)	
Abu Dhabi, UAE	9 (1.3)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S09_03B (S052085B): Crocodile facts: Advantage vision
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	85 (1.3) ▲	
Singapore	84 (1.2) ▲	
Canada	78 (1.3) ▲	
Ireland	78 (1.8) ▲	
England	76 (1.6) ▲	
Sweden	72 (2.3) ▲	
Chinese Taipei	70 (1.6) ▲	
United States	69 (1.4) ▲	
Australia	69 (1.7) ▲	
Norway (9)	68 (2.2) ▲	
Korea, Rep. of	68 (2.3) ▲	
New Zealand	67 (2.2) ▲	
Turkey	67 (2.2) ▲	
Israel	66 (1.9) ▲	
Hong Kong SAR	66 (2.5) ▲	
Italy	64 (2.1) ▲	
Lithuania	62 (2.5) ▲	
Hungary	59 (2.3) ▲	
Slovenia	57 (2.4) ▲	
Russian Federation	54 (2.7)	
Malta	53 (1.8)	
International Avg.	52 (0.3)	
Kazakhstan	51 (2.6)	
United Arab Emirates	47 (1.5) ▽	
Thailand	43 (2.0) ▽	
Iran, Islamic Rep. of	42 (2.1) ▽	
Chile	41 (2.2) ▽	
Qatar	41 (1.7) ▽	
Malaysia	40 (1.8) ▽	
Georgia	39 (2.8) ▽	
Bahrain	38 (1.7) ▽	
Oman	35 (1.4) ▽	
Jordan	33 (1.9) ▽	
Saudi Arabia	25 (2.2) ▽	
Kuwait	24 (2.2) ▽	
Lebanon	20 (2.5) ▽	
Egypt	19 (1.2) ▽	
Botswana (9)	17 (1.6) ▽	
South Africa (9)	14 (1.7) ▽	
Morocco	14 (1.0) ▽	
Benchmarking Participants		
Ontario, Canada	78 (1.9) ▲	
Quebec, Canada	76 (2.4) ▲	
Norway (8)	64 (2.4) ▲	
Florida, US	63 (2.8) ▲	
Dubai, UAE	58 (2.2) ▲	
Abu Dhabi, UAE	45 (2.4) ▽	
Buenos Aires, Argentina	34 (2.8) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S09_04 (S052094): Similarity between bird and frog
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	66 (1.8)	
Australia	52 (2.1)	
Bahrain	46 (2.7)	
United States	45 (1.8)	
Japan	45 (2.0)	
Canada	44 (1.9)	
United Arab Emirates	44 (1.2)	
Qatar	43 (2.3)	
England	42 (2.2)	
New Zealand	41 (1.9)	
Malaysia	40 (2.0)	
Ireland	37 (2.3)	
Kuwait	35 (2.6)	
Korea, Rep. of	33 (2.4)	
Jordan	33 (2.0)	
Oman	33 (1.4)	
Hong Kong SAR	31 (1.9)	
International Avg.	29 (0.3)	
Israel	29 (2.0)	
Malta	29 (1.8)	
Italy	28 (1.8)	
Thailand	24 (2.2)	
Iran, Islamic Rep. of	22 (1.9)	
Botswana (9)	22 (1.7)	
Chinese Taipei	22 (1.6)	
Saudi Arabia	22 (2.5)	
Russian Federation	21 (2.1)	
Norway (9)	21 (1.8)	
Lithuania	21 (2.3)	
Chile	19 (2.0)	
Kazakhstan	19 (2.1)	
Turkey	19 (1.5)	
Sweden	17 (1.8)	
Slovenia	16 (1.7)	
Lebanon	16 (2.4)	
Georgia	15 (2.3)	
Morocco	14 (1.1)	
South Africa (9)	11 (1.3)	
Hungary	9 (1.2)	
Egypt	8 (1.3)	
Benchmarking Participants		
Dubai, UAE	54 (2.1)	
Ontario, Canada	47 (2.3)	
Florida, US	39 (2.3)	
Quebec, Canada	35 (3.0)	
Abu Dhabi, UAE	32 (2.0)	
Norway (8)	15 (1.7)	
Buenos Aires, Argentina	7 (1.2)	

Percent significantly higher than international average

Percent significantly lower 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 (S052248): Cavefish with no eyes
 Multiple Choice (Key is B)

Country	Percent Correct
Slovenia	69 (2.4)
Russian Federation	66 (2.3)
Japan	61 (2.1)
Hungary	58 (2.3)
Thailand	54 (2.1)
Italy	53 (2.2)
Malta	53 (2.0)
Korea, Rep. of	52 (2.0)
Kazakhstan	52 (2.8)
New Zealand	52 (1.7)
United States	51 (1.5)
Chile	50 (2.3)
Hong Kong SAR	49 (1.9)
Chinese Taipei	49 (2.2)
Lithuania	48 (2.6)
Norway (9)	47 (2.1)
Sweden	46 (2.2)
Australia	46 (1.7)
Ireland	45 (1.7)
Oman	45 (1.5)
England	45 (2.3)
International Avg.	44 (0.3)
Kuwait	44 (2.6)
Saudi Arabia	44 (2.3)
Morocco	43 (1.7)
Canada	43 (1.9)
Singapore	42 (1.7)
United Arab Emirates	42 (1.2)
Bahrain	41 (2.6)
Qatar	40 (1.7)
Jordan	38 (1.6)
Israel	34 (1.7)
Egypt	34 (1.7)
Lebanon	33 (2.6)
Botswana (9)	31 (1.7)
South Africa (9)	29 (1.3)
Malaysia	29 (1.7)
Georgia	27 (2.3)
Iran, Islamic Rep. of	19 (1.5)
Turkey	16 (1.4)
Benchmarking Participants	
Florida, US	47 (2.8)
Quebec, Canada	46 (2.3)
Abu Dhabi, UAE	43 (2.1)
Dubai, UAE	42 (1.9)
Ontario, Canada	41 (2.5)
Norway (8)	40 (2.2)
Buenos Aires, Argentina	33 (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

S09_06 (S052146): Density of corn oil and aluminum Constructed Response (1 Point)

Country	Percent Correct
Singapore	70 (1.9)
Korea, Rep. of	69 (2.1)
Chinese Taipei	67 (1.8)
Japan	61 (2.3)
Hong Kong SAR	61 (2.6)
Hungary	60 (2.1)
Russian Federation	58 (2.5)
Malaysia	53 (2.0)
United States	52 (1.4)
Slovenia	51 (2.4)
Israel	50 (1.8)
Turkey	49 (2.4)
Malta	48 (1.6)
Ireland	46 (2.3)
Kazakhstan	45 (3.0)
Lithuania	44 (2.4)
England	44 (2.2)
Canada	44 (2.2)
Iran, Islamic Rep. of	43 (2.1)
United Arab Emirates	43 (1.6)
International Avg.	42 (0.3)
Sweden	41 (2.9)
Oman	41 (1.9)
Thailand	39 (2.6)
Egypt	37 (1.9)
Bahrain	37 (2.4)
Jordan	37 (2.2)
Qatar	36 (2.4)
New Zealand	36 (1.9)
Norway (9)	33 (2.2)
Australia	33 (1.8)
Lebanon	30 (2.6)
Italy	30 (1.9)
Georgia	27 (2.1)
Botswana (9)	27 (1.7)
Kuwait	25 (2.1)
Saudi Arabia	20 (2.1)
Chile	18 (1.6)
Morocco	18 (1.1)
South Africa (9)	17 (1.7)
Benchmarking Participants	
Dubai, UAE	51 (2.1)
Florida, US	51 (3.5)
Ontario, Canada	49 (2.4)
Abu Dhabi, UAE	38 (2.7)
Quebec, Canada	29 (2.4)
Norway (8)	28 (2.2)
Buenos Aires, Argentina	16 (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

S09_07 (S052282): Property of acid and base
 Multiple Choice (Key is C)

Country	Percent Correct
Hong Kong SAR	86 (1.8)
Chinese Taipei	83 (1.5)
Slovenia	75 (2.2)
Turkey	65 (1.9)
Sweden	64 (2.0)
Lithuania	63 (2.7)
Russian Federation	61 (2.6)
Singapore	61 (1.7)
Kazakhstan	55 (2.5)
Korea, Rep. of	53 (1.7)
Hungary	52 (2.4)
Japan	50 (2.1)
Ireland	48 (2.0)
United States	45 (1.4)
International Avg.	43 (0.3)
Italy	43 (2.5)
England	42 (2.2)
Malaysia	41 (1.7)
Australia	41 (2.1)
Canada	41 (1.7)
Georgia	41 (2.9)
Thailand	40 (1.9)
Norway (9)	39 (2.4)
Malta	39 (2.2)
United Arab Emirates	37 (1.2)
Israel	36 (1.7)
New Zealand	34 (1.6)
Qatar	33 (1.8)
Chile	33 (2.2)
Iran, Islamic Rep. of	31 (2.1)
Lebanon	29 (2.5)
Botswana (9)	29 (1.5)
Kuwait	27 (2.3)
Bahrain	26 (1.5)
Morocco	24 (1.3)
Jordan	24 (1.5)
Oman	23 (1.3)
South Africa (9)	22 (1.5)
Saudi Arabia	19 (2.0)
Egypt	19 (1.3)
Benchmarking Participants	
Dubai, UAE	48 (2.1)
Ontario, Canada	46 (2.1)
Florida, US	46 (3.2)
Norway (8)	38 (2.2)
Abu Dhabi, UAE	33 (2.2)
Quebec, Canada	29 (2.7)
Buenos Aires, Argentina	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

S09_08 (S052299): Process that makes statue
 Multiple Choice (Key is B)

Country	Percent Correct	
Japan	90 (1.2)	
Chinese Taipei	89 (1.1)	
Russian Federation	83 (1.7)	
Italy	78 (1.8)	
Georgia	77 (2.2)	
Chile	76 (2.0)	
Singapore	75 (1.5)	
Hong Kong SAR	74 (2.2)	
Hungary	73 (2.3)	
Kazakhstan	71 (2.5)	
Jordan	66 (2.0)	
Slovenia	66 (2.3)	
Lithuania	65 (2.4)	
United States	65 (1.6)	
Korea, Rep. of	64 (2.1)	
Qatar	58 (2.1)	
Bahrain	58 (2.1)	
International Avg.	58 (0.3)	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Malaysia	57 (2.2)	
Canada	57 (1.7)	
United Arab Emirates	56 (1.3)	
Israel	56 (2.2)	
Turkey	54 (2.1)	
England	54 (2.4)	
Ireland	51 (2.3)	
Kuwait	50 (1.9)	
Malta	49 (1.9)	
Sweden	48 (2.7)	
Australia	48 (2.0)	
New Zealand	45 (1.9)	
Egypt	44 (2.0)	
Thailand	44 (2.3)	
Lebanon	43 (2.3)	
Oman	42 (1.7)	
Norway (9)	41 (2.1)	
Iran, Islamic Rep. of	40 (2.4)	
Saudi Arabia	39 (2.8)	
Botswana (9)	36 (1.9)	
Morocco	36 (1.6)	
South Africa (9)	34 (1.6)	
Benchmarking Participants		
Quebec, Canada	73 (3.3)	
Dubai, UAE	66 (1.7)	
Buenos Aires, Argentina	62 (2.8)	
Florida, US	61 (2.3)	
Abu Dhabi, UAE	49 (2.6)	
Ontario, Canada	49 (2.1)	
Norway (8)	31 (2.2)	

Percent significantly higher than international average

Percent significantly lower 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_09 (S052144): Easy to compress gases
 Multiple Choice (Key is D)

Country	Percent Correct
Singapore	80 (1.6)
England	68 (2.3)
Israel	66 (1.9)
Russian Federation	65 (2.4)
Slovenia	64 (2.4)
Hong Kong SAR	64 (2.3)
New Zealand	63 (2.2)
Canada	62 (1.8)
Malta	62 (2.1)
Australia	57 (2.0)
United States	56 (1.6)
Lithuania	55 (2.3)
United Arab Emirates	55 (1.4)
Ireland	52 (2.1)
Kazakhstan	52 (2.9)
Hungary	52 (2.6)
Sweden	51 (2.6)
Qatar	51 (2.0)
Turkey	50 (2.2)
Italy	49 (2.4)
International Avg.	49 (0.3)
Oman	49 (1.7)
Bahrain	48 (2.0)
Georgia	48 (2.6)
Botswana (9)	46 (1.8)
Saudi Arabia	44 (2.5)
Norway (9)	43 (2.1)
South Africa (9)	43 (1.5)
Jordan	43 (2.2)
Iran, Islamic Rep. of	40 (1.9)
Malaysia	39 (1.8)
Egypt	39 (1.5)
Korea, Rep. of	38 (2.1)
Lebanon	34 (2.6)
Kuwait	33 (2.1)
Japan	32 (1.8)
Morocco	32 (1.4)
Chile	30 (1.9)
Chinese Taipei	29 (1.7)
Thailand	28 (1.8)
Benchmarking Participants	
Ontario, Canada	67 (2.4)
Florida, US	66 (2.8)
Dubai, UAE	65 (1.9)
Abu Dhabi, UAE	50 (2.2)
Quebec, Canada	49 (3.5)
Norway (8)	35 (2.2)
Buenos Aires, Argentina	31 (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 (S052214): Recognize liquids from density Constructed Response (1 Point)

Country	Percent Correct	
Korea, Rep. of	71 (1.9)	
Singapore	70 (1.9)	
Russian Federation	66 (2.2)	
Japan	66 (1.9)	
Slovenia	65 (2.1)	
Chinese Taipei	64 (1.8)	
Hong Kong SAR	62 (2.1)	
Hungary	58 (2.2)	
United States	55 (1.5)	
Canada	55 (1.7)	
Sweden	54 (2.8)	
Ireland	54 (2.4)	
Norway (9)	54 (2.1)	
Kazakhstan	54 (2.9)	
Lithuania	52 (2.6)	
England	50 (2.0)	
Israel	47 (1.8)	
Malta	47 (1.9)	
New Zealand	47 (1.8)	
International Avg.	43 (0.3)	
Australia	43 (2.0)	
Italy	43 (2.2)	
Malaysia	42 (1.9)	
Turkey	41 (2.1)	
Georgia	40 (2.6)	
United Arab Emirates	38 (1.2)	
Qatar	33 (2.3)	
Oman	31 (1.7)	
Iran, Islamic Rep. of	29 (1.9)	
Bahrain	28 (2.0)	
Thailand	27 (1.8)	
Lebanon	27 (2.6)	
Chile	26 (2.0)	
Jordan	25 (1.8)	
Saudi Arabia	22 (2.4)	
Egypt	20 (1.8)	
Kuwait	19 (2.3)	
Botswana (9)	19 (1.4)	
South Africa (9)	15 (1.3)	
Morocco	11 (0.9)	
Benchmarking Participants		
Ontario, Canada	55 (2.6)	
Quebec, Canada	53 (2.4)	
Dubai, UAE	51 (1.9)	
Norway (8)	50 (2.3)	
Florida, US	49 (3.1)	
Abu Dhabi, UAE	32 (2.3)	
Buenos Aires, Argentina	20 (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

S09_12 (S052101): Information from volcanic eruption
Constructed Response (1 Point)

Country	Percent Correct
Japan	56 (1.9)
England	47 (2.5)
Slovenia	47 (2.5)
Australia	46 (2.1)
Chinese Taipei	45 (1.8)
Canada	44 (1.7)
New Zealand	43 (1.8)
Korea, Rep. of	43 (2.0)
Israel	42 (1.7)
Ireland	42 (1.9)
United States	42 (1.8)
Singapore	41 (1.5)
Jordan	39 (1.8)
Malta	39 (1.9)
United Arab Emirates	37 (1.3)
Oman	36 (1.5)
Lithuania	36 (2.4)
Bahrain	35 (2.6)
Russian Federation	34 (2.0)
Qatar	34 (1.7)
Saudi Arabia	34 (2.3)
Sweden	33 (2.3)
International Avg.	33 (0.3)
Turkey	31 (1.9)
Hungary	30 (2.1)
Kazakhstan	30 (2.9)
Thailand	27 (1.6)
Norway (9)	27 (2.3)
Iran, Islamic Rep. of	27 (1.7)
Kuwait	26 (2.3)
Italy	25 (2.0)
Chile	23 (2.1)
Hong Kong SAR	23 (2.1)
Georgia	22 (2.4)
Botswana (9)	21 (1.5)
Malaysia	19 (1.4)
Morocco	16 (1.0)
South Africa (9)	16 (1.4)
Egypt	15 (1.1)
Lebanon	7 (1.5)
Benchmarking Participants	
Dubai, UAE	49 (1.8)
Quebec, Canada	45 (2.4)
Ontario, Canada	42 (2.5)
Florida, US	40 (3.9)
Abu Dhabi, UAE	28 (2.1)
Norway (8)	27 (2.1)
Buenos Aires, Argentina	9 (1.7)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S09_13 (S052113): Climate of city near Equator
 Multiple Choice (Key is A)

Country	Percent Correct
Japan	83 (1.7)
Singapore	77 (1.7)
Ireland	76 (1.7)
Chinese Taipei	75 (1.6)
Hong Kong SAR	73 (2.2)
Canada	70 (1.4)
England	68 (2.2)
Korea, Rep. of	67 (2.1)
Slovenia	65 (2.3)
Sweden	64 (2.2)
United States	64 (1.6)
Norway (9)	63 (2.6)
Hungary	62 (2.2)
Australia	58 (1.6)
Italy	57 (2.0)
Lithuania	56 (2.3)
Russian Federation	56 (2.3)
Kazakhstan	56 (3.1)
New Zealand	55 (1.5)
International Avg.	53 (0.3)
United Arab Emirates	51 (1.5)
Qatar	48 (2.0)
Israel	48 (1.6)
Malta	48 (2.0)
Chile	45 (2.1)
Jordan	45 (2.0)
Turkey	43 (2.0)
South Africa (9)	42 (1.6)
Georgia	42 (2.9)
Kuwait	41 (2.1)
Oman	40 (2.0)
Malaysia	40 (1.9)
Lebanon	39 (2.2)
Iran, Islamic Rep. of	38 (2.1)
Bahrain	38 (2.0)
Saudi Arabia	35 (2.4)
Thailand	34 (1.8)
Morocco	33 (1.3)
Egypt	30 (1.8)
Botswana (9)	29 (1.6)
Benchmarking Participants	
Quebec, Canada	72 (2.7)
Ontario, Canada	70 (1.9)
Norway (8)	60 (1.9)
Dubai, UAE	58 (1.9)
Florida, US	52 (3.3)
Abu Dhabi, UAE	47 (2.1)
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

S09_14 (S052107): Constellation below horizon
 Multiple Choice (Key is C)

Country	Percent Correct
Japan	69 (2.0)
Chinese Taipei	65 (1.9)
Korea, Rep. of	54 (2.4)
Hong Kong SAR	51 (2.6)
Russian Federation	47 (2.5)
Sweden	44 (2.5)
Slovenia	43 (2.4)
Kazakhstan	43 (2.9)
Norway (9)	43 (2.0)
Canada	41 (2.1)
Hungary	39 (2.3)
New Zealand	39 (2.0)
Australia	38 (1.9)
United States	38 (1.4)
Italy	37 (2.5)
England	34 (2.3)
Ireland	34 (2.0)
Singapore	33 (1.5)
International Avg.	32 (0.3)
Israel	32 (1.8)
Lithuania	32 (2.7)
Malaysia	30 (1.7)
Malta	28 (1.8)
Turkey	26 (1.6)
Chile	24 (2.0)
United Arab Emirates	24 (1.2)
Georgia	23 (2.0)
Oman	23 (1.7)
Qatar	22 (2.3)
Iran, Islamic Rep. of	22 (1.7)
Jordan	22 (1.6)
Kuwait	21 (1.6)
Lebanon	21 (2.0)
Egypt	20 (1.6)
Bahrain	20 (1.9)
Morocco	19 (1.1)
Saudi Arabia	18 (1.8)
South Africa (9)	14 (1.2)
Thailand	14 (1.4)
Botswana (9)	13 (1.4)
Benchmarking Participants	
Quebec, Canada	44 (2.9)
Norway (8)	41 (2.5)
Ontario, Canada	40 (2.7)
Florida, US	32 (2.1)
Buenos Aires, Argentina	29 (2.5)
Dubai, UAE	25 (1.9)
Abu Dhabi, UAE	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

S10_01 (S062090): Water cycle in forest ecosystem Multiple Choice (Key is C)

Country	Percent Correct	
Chinese Taipei	89 (1.3)	
Japan	86 (1.1)	
Singapore	85 (1.4)	
Hong Kong SAR	85 (1.9)	
Russian Federation	80 (1.8)	
Australia	79 (1.4)	
Korea, Rep. of	78 (1.8)	
Slovenia	78 (1.9)	
United States	77 (1.3)	
Malta	73 (1.8)	
Canada	73 (1.7)	
Ireland	73 (2.1)	
New Zealand	72 (1.7)	
England	72 (2.3)	
Oman	70 (1.5)	
Turkey	70 (1.8)	
Botswana (9)	70 (1.7)	
Hungary	69 (2.1)	
Georgia	67 (2.7)	
Italy	67 (2.3)	
International Avg.	66 (0.3)	
Israel	64 (1.8)	
Lithuania	63 (2.7)	
United Arab Emirates	63 (1.5)	
Sweden	61 (2.3)	
Malaysia	60 (1.6)	
Iran, Islamic Rep. of	57 (1.8)	
Thailand	57 (2.4)	
Norway (9)	56 (2.2)	
Bahrain	56 (1.8)	
Chile	56 (2.1)	
Qatar	54 (2.3)	
Lebanon	51 (2.7)	
South Africa (9)	50 (1.8)	
Saudi Arabia	50 (2.7)	
Morocco	47 (1.7)	
Kuwait	46 (2.4)	
Jordan	44 (1.9)	
Egypt	42 (2.0)	
Kazakhstan	- -	
Benchmarking Participants		
Quebec, Canada	78 (2.4)	
Florida, US	77 (3.1)	
Dubai, UAE	73 (1.6)	
Ontario, Canada	70 (1.9)	
Abu Dhabi, UAE	58 (2.8)	
Norway (8)	54 (2.1)	
Buenos Aires, Argentina	45 (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.

A dash (-) indicates comparable data not available

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_02 (S062274): Raw materials for photosynthesis
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Sweden	30 (3.0) ⬤	78 (1.8) ⬤
Singapore	27 (1.4) ⬤	80 (1.7) ⬤
Slovenia	27 (2.5) ⬤	81 (1.9) ⬤
Russian Federation	21 (2.0) ⬤	73 (2.3) ⬤
Kazakhstan	19 (2.3) ⬤	60 (3.2)
Chinese Taipei	19 (1.6) ⬤	58 (1.7)
Lithuania	17 (2.2) ⬤	77 (1.9) ⬤
Norway (9)	15 (1.3) ⬤	72 (1.9) ⬤
New Zealand	15 (1.8) ⬤	66 (2.1) ⬤
Hong Kong SAR	15 (1.5) ⬤	78 (1.9) ⬤
United Arab Emirates	14 (1.3)	64 (1.4) ⬤
Georgia	13 (1.8)	57 (2.5)
Japan	13 (1.5)	81 (1.6) ⬤
Hungary	12 (1.4)	63 (2.3)
International Avg.	12 (0.2)	60 (0.3)
Chile	12 (1.4)	60 (2.0)
Israel	11 (1.2)	64 (1.8) ⬤
Kuwait	11 (1.5)	51 (2.6) ⬤
England	11 (1.4)	67 (2.2) ⬤
Korea, Rep. of	10 (1.4)	65 (2.1) ⬤
Ireland	10 (1.2)	65 (2.0) ⬤
Bahrain	10 (1.5)	62 (1.9)
Oman	9 (1.1)	57 (1.8)
Qatar	9 (0.9) ⬤	55 (1.9) ⬤
Thailand	9 (1.5)	53 (1.9) ⬤
Turkey	9 (1.0) ⬤	53 (2.1) ⬤
Canada	9 (1.0) ⬤	69 (1.7) ⬤
United States	8 (0.9) ⬤	71 (1.6) ⬤
Australia	8 (1.1) ⬤	57 (1.5)
Italy	8 (1.3) ⬤	63 (1.9)
Malta	7 (0.8) ⬤	47 (1.9) ⬤
Botswana (9)	7 (1.1) ⬤	43 (1.6) ⬤
Lebanon	6 (1.0) ⬤	46 (2.8) ⬤
Jordan	6 (0.9) ⬤	50 (2.1) ⬤
South Africa (9)	6 (0.9) ⬤	41 (1.8) ⬤
Egypt	5 (1.0) ⬤	42 (2.0) ⬤
Iran, Islamic Rep. of	5 (0.7) ⬤	44 (2.4) ⬤
Malaysia	5 (0.7) ⬤	43 (2.1) ⬤
Saudi Arabia	3 (0.8) ⬤	48 (2.1) ⬤
Morocco	3 (0.6) ⬤	34 (1.5) ⬤
Benchmarking Participants		
Norway (8)	17 (2.1) ⬤	70 (2.1) ⬤
Dubai, UAE	16 (1.6) ⬤	70 (1.7) ⬤
Quebec, Canada	12 (1.9)	71 (2.9) ⬤
Abu Dhabi, UAE	11 (1.8)	60 (2.6)
Florida, US	10 (1.7)	72 (2.3) ⬤
Buenos Aires, Argentina	9 (1.5)	45 (2.5) ⬤
Ontario, Canada	7 (1.1) ⬤	68 (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

S10_03 (S062284): Hair color of young rabbits
 Multiple Choice (Key is B)

Country	Percent Correct	
Chinese Taipei	78 (1.4)	
Italy	72 (2.3)	
Slovenia	71 (2.0)	
United States	70 (1.5)	
Norway (9)	68 (2.1)	
Hungary	68 (2.5)	
Russian Federation	68 (2.4)	
Sweden	65 (2.3)	
Singapore	63 (1.6)	
Thailand	62 (2.1)	
England	62 (2.4)	
Kazakhstan	61 (2.7)	
Lithuania	60 (2.6)	
Canada	59 (1.8)	
Chile	59 (2.5)	
Jordan	56 (1.8)	
Israel	56 (2.2)	
Ireland	55 (2.3)	
New Zealand	55 (2.0)	
Korea, Rep. of	55 (1.8)	
Turkey	55 (2.1)	
Georgia	54 (2.7)	
International Avg.	53 (0.3)	
Australia	53 (1.8)	
Oman	50 (1.6)	
Hong Kong SAR	47 (2.4)	
Bahrain	47 (1.8)	
United Arab Emirates	47 (1.2)	
Malta	46 (2.1)	
Iran, Islamic Rep. of	45 (1.9)	
Saudi Arabia	42 (1.8)	
Morocco	40 (1.6)	
Qatar	39 (1.8)	
Malaysia	38 (1.5)	
Japan	35 (2.1)	
Kuwait	35 (1.9)	
Botswana (9)	35 (1.8)	
Lebanon	34 (2.5)	
Egypt	32 (1.8)	
South Africa (9)	27 (1.8)	
Benchmarking Participants		
Quebec, Canada	79 (2.5)	
Florida, US	67 (2.6)	
Norway (8)	61 (2.0)	
Dubai, UAE	55 (2.4)	
Ontario, Canada	54 (2.4)	
Buenos Aires, Argentina	45 (2.9)	
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

S10_04A (S062098A): Plant and animal cells similar
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	76 (1.6) ▲	92 (1.1) ▲
Slovenia	60 (2.3) ▲	84 (1.9) ▲
Japan	55 (2.1) ▲	80 (1.6) ▲
Bahrain	42 (2.3) ▲	72 (2.4) ▲
United States	41 (1.8) ▲	77 (1.6) ▲
Canada	39 (1.9) ▲	73 (1.8) ▲
Chinese Taipei	39 (1.9) ▲	65 (2.1) ▲
Russian Federation	39 (2.4) ▲	60 (2.6) ▲
Israel	38 (1.9) ▲	56 (1.8) ▲
United Arab Emirates	38 (1.6) ▲	68 (1.6) ▲
Ireland	37 (2.2) ▲	72 (1.8) ▲
Malaysia	35 (1.8) ▲	58 (2.3) ▲
Oman	35 (1.7) ▲	65 (1.6) ▲
Qatar	34 (1.8) ▲	66 (2.0) ▲
Malta	33 (1.8) ▲	47 (1.7) ▽
Lithuania	33 (2.6)	58 (2.7) ▲
England	32 (2.2)	73 (2.4) ▲
New Zealand	30 (2.1)	61 (2.1) ▲
Botswana (9)	30 (1.7)	56 (1.9) ▲
International Avg.	29 (0.3)	53 (0.3) ▲
Kazakhstan	29 (2.4)	54 (2.6) ▲
Hong Kong SAR	29 (2.3)	59 (2.3) ▲
Australia	28 (1.4)	65 (1.8) ▲
Turkey	26 (1.8)	55 (1.8) ▲
Korea, Rep. of	21 (2.0) ▽	57 (2.2) ▲
South Africa (9)	20 (1.6) ▽	42 (2.0) ▽
Hungary	20 (2.1) ▽	42 (2.6) ▽
Lebanon	19 (2.4) ▽	27 (2.8) ▽
Italy	18 (2.2) ▽	42 (2.5) ▽
Thailand	18 (2.0) ▽	43 (2.3) ▽
Georgia	17 (1.8) ▽	38 (2.3) ▽
Iran, Islamic Rep. of	16 (1.6) ▽	31 (2.0) ▽
Egypt	15 (1.8) ▽	24 (1.9) ▽
Sweden	15 (1.6) ▽	43 (2.5) ▽
Jordan	14 (1.6) ▽	33 (2.0) ▽
Norway (9)	14 (1.4) ▽	40 (2.5) ▽
Morocco	13 (1.0) ▽	24 (1.2) ▽
Saudi Arabia	11 (2.0) ▽	30 (2.7) ▽
Kuwait	10 (1.7) ▽	22 (1.8) ▽
Chile	8 (1.2) ▽	27 (2.0) ▽
Benchmarking Participants		
Dubai, UAE	41 (1.8) ▲	74 (1.7) ▲
Ontario, Canada	40 (2.4) ▲	73 (2.4) ▲
Quebec, Canada	40 (3.4) ▲	72 (3.2) ▲
Abu Dhabi, UAE	38 (3.2) ▲	66 (2.9) ▲
Florida, US	36 (3.7)	74 (3.0) ▲
Norway (8)	23 (2.0) ▽	49 (2.3) ▽
Buenos Aires, Argentina	6 (1.5) ▽	12 (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_04B (S062098B): Plant and animal cells different
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	51 (1.9) ⬤	80 (1.7) ⬤
Russian Federation	26 (2.5) ⬤	43 (3.1) ⬤
Kazakhstan	21 (2.0) ⬤	51 (2.4) ⬤
Slovenia	20 (2.1) ⬤	41 (2.8) ⬤
Japan	18 (1.7) ⬤	38 (1.9) ⬤
Malaysia	17 (1.2) ⬤	33 (1.9) ⬤
Malta	16 (1.5) ⬤	29 (1.9)
United Arab Emirates	16 (1.1) ⬤	36 (1.3) ⬤
Chinese Taipei	15 (1.4) ⬤	32 (2.1) ⬤
Qatar	14 (1.8)	30 (1.6) ⬤
Canada	13 (1.3) ⬤	35 (1.9) ⬤
Turkey	12 (1.3)	39 (2.3) ⬤
United States	12 (1.1)	36 (1.7) ⬤
Bahrain	12 (1.7)	31 (1.9) ⬤
New Zealand	12 (1.7)	31 (2.4) ⬤
Oman	11 (0.9)	23 (1.4) ⬤
Ireland	11 (1.6)	37 (2.2) ⬤
Hong Kong SAR	11 (1.4)	38 (2.5) ⬤
International Avg.	10 (0.2)	27 (0.3)
Australia	10 (1.2)	27 (1.9)
Israel	10 (1.3)	21 (1.7) ⬤
Lithuania	9 (1.6)	30 (2.5)
Saudi Arabia	8 (1.2)	24 (2.3)
England	8 (1.4)	25 (2.2)
Botswana (9)	7 (1.0) ⬤	30 (2.0)
Korea, Rep. of	6 (0.9) ⬤	29 (1.7)
Kuwait	6 (1.2) ⬤	23 (2.0)
South Africa (9)	6 (1.1) ⬤	22 (1.8) ⬤
Egypt	5 (1.0) ⬤	12 (1.4) ⬤
Jordan	4 (0.9) ⬤	15 (1.6) ⬤
Thailand	3 (0.9) ⬤	12 (1.5) ⬤
Lebanon	3 (1.1) ⬤	8 (1.7) ⬤
Hungary	2 (0.7) ⬤	17 (1.6) ⬤
Georgia	2 (0.8) ⬤	7 (1.2) ⬤
Chile	2 (0.5) ⬤	9 (1.1) ⬤
Sweden	2 (0.6) ⬤	13 (1.7) ⬤
Iran, Islamic Rep. of	2 (0.6) ⬤	10 (1.2) ⬤
Italy	1 (0.5) ⬤	7 (1.0) ⬤
Norway (9)	0 (0.2) ⬤	6 (1.1) ⬤
Morocco	0 (0.1) ⬤	8 (0.8) ⬤
Benchmarking Participants		
Dubai, UAE	19 (1.6) ⬤	45 (2.0) ⬤
Abu Dhabi, UAE	16 (2.0) ⬤	30 (2.4)
Ontario, Canada	14 (2.1)	37 (2.6) ⬤
Florida, US	12 (1.6)	38 (2.2) ⬤
Quebec, Canada	10 (2.2)	31 (2.9)
Norway (8)	4 (1.1) ⬤	13 (1.7) ⬤
Buenos Aires, Argentina	1 (0.6) ⬤	4 (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

S10_05 (S062032): Hot metal ball on balance
 Multiple Choice (Key is C)

Country	Percent Correct
Kazakhstan	62 (2.7)
Slovenia	56 (2.4)
Korea, Rep. of	50 (2.2)
Jordan	49 (2.1)
Morocco	49 (1.5)
Israel	49 (1.7)
Russian Federation	48 (2.6)
Egypt	47 (1.7)
Singapore	46 (2.2)
Malaysia	45 (1.6)
Lebanon	42 (3.2)
Hungary	41 (2.3)
Japan	40 (2.2)
Chinese Taipei	40 (2.1)
Lithuania	40 (2.7)
International Avg.	36 (0.3)
United Arab Emirates	36 (1.2)
Saudi Arabia	35 (2.3)
United States	33 (1.4)
Kuwait	32 (2.4)
Norway (9)	31 (2.5)
Bahrain	31 (1.9)
Iran, Islamic Rep. of	30 (2.0)
Canada	30 (1.7)
Chile	29 (2.1)
Italy	29 (2.3)
Turkey	29 (1.7)
Sweden	29 (1.8)
Hong Kong SAR	29 (1.9)
Georgia	29 (2.1)
Oman	28 (1.7)
Thailand	26 (1.7)
New Zealand	24 (1.6)
Malta	23 (1.7)
Qatar	23 (1.3)
England	22 (2.1)
Australia	21 (1.1)
Ireland	18 (1.8)
Botswana (9)	- -
South Africa (9)	- -
Benchmarking Participants	
Quebec, Canada	47 (3.2)
Dubai, UAE	37 (2.2)
Abu Dhabi, UAE	33 (2.1)
Florida, US	31 (3.3)
Buenos Aires, Argentina	26 (2.9)
Norway (8)	24 (1.9)
Ontario, Canada	22 (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.

A dash (-) indicates comparable data not available

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_06 (S062043): Electromagnet and paper clips
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	89 (1.1) ▲	
Japan	72 (1.9) ▲	
Chinese Taipei	55 (1.9) ▲	
Malaysia	55 (2.0) ▲	
England	49 (2.5) ▲	
Iran, Islamic Rep. of	48 (1.8) ▲	
Hong Kong SAR	47 (2.4) ▲	
Qatar	37 (1.8) ▲	
Turkey	36 (2.1) ▲	
Kazakhstan	36 (2.7) ▲	
Korea, Rep. of	35 (2.3) ▲	
Sweden	35 (2.6) ▲	
United Arab Emirates	29 (1.4)	
Bahrain	28 (2.1)	
International Avg.	27 (0.3)	
Russian Federation	25 (2.2)	
Israel	24 (2.0)	
Norway (9)	22 (2.2) ▽	
Hungary	21 (2.2) ▽	
New Zealand	21 (1.8) ▽	
South Africa (9)	20 (1.6) ▽	
Oman	19 (1.5) ▽	
Egypt	19 (1.7) ▽	
Malta	18 (1.8) ▽	
Botswana (9)	17 (1.5) ▽	
Ireland	17 (1.6) ▽	
Slovenia	16 (1.7) ▽	
Chile	16 (1.5) ▽	
Jordan	16 (1.5) ▽	
Thailand	15 (1.5) ▽	
Australia	15 (1.3) ▽	
United States	15 (1.4) ▽	
Kuwait	14 (1.7) ▽	
Lebanon	12 (1.7) ▽	
Italy	12 (1.4) ▽	
Canada	12 (1.1) ▽	
Georgia	11 (1.8) ▽	
Lithuania	10 (1.6) ▽	
Morocco	10 (0.9) ▽	
Saudi Arabia	2 (0.6) ▽	
Benchmarking Participants		
Dubai, UAE	38 (2.0) ▲	
Abu Dhabi, UAE	28 (2.0)	
Ontario, Canada	14 (1.4) ▽	
Norway (8)	13 (1.3) ▽	
Florida, US	8 (2.1) ▽	
Quebec, Canada	6 (1.5) ▽	
Buenos Aires, Argentina	2 (0.7) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_07 (S062158): Graphs of musical notes
 Multiple Choice (Key is B)

Country	Percent Correct
Japan	77 (1.7)
Chinese Taipei	73 (1.6)
Korea, Rep. of	72 (1.9)
England	69 (1.8)
Malaysia	65 (1.6)
Singapore	64 (1.5)
Israel	64 (1.6)
Ireland	63 (2.0)
New Zealand	63 (1.8)
Chile	62 (2.3)
Russian Federation	59 (2.0)
Italy	59 (2.5)
United Arab Emirates	59 (1.4)
Australia	59 (1.6)
United States	58 (1.7)
Canada	58 (1.9)
Slovenia	58 (2.1)
Kazakhstan	58 (2.9)
Qatar	55 (2.2)
Iran, Islamic Rep. of	55 (1.8)
International Avg.	55 (0.3)
Malta	55 (2.3)
Hong Kong SAR	55 (2.3)
Lithuania	54 (2.2)
Bahrain	54 (1.9)
Sweden	54 (2.8)
Turkey	54 (2.0)
Saudi Arabia	52 (2.0)
Thailand	52 (2.1)
Oman	51 (2.1)
Jordan	49 (2.2)
Norway (9)	49 (2.3)
Kuwait	46 (2.4)
South Africa (9)	45 (1.5)
Morocco	43 (1.4)
Lebanon	42 (3.0)
Botswana (9)	40 (1.8)
Hungary	40 (2.2)
Egypt	37 (1.8)
Georgia	24 (2.0)
Benchmarking Participants	
Dubai, UAE	65 (2.7)
Ontario, Canada	61 (2.2)
Abu Dhabi, UAE	56 (2.5)
Florida, US	56 (2.8)
Quebec, Canada	52 (3.1)
Norway (8)	49 (2.2)
Buenos Aires, Argentina	48 (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_08 (S062159): Box pulled by three forces
 Multiple Choice (Key is D)

Country	Percent Correct
Japan	82 (1.4)
Korea, Rep. of	77 (1.7)
Hungary	75 (2.0)
Chinese Taipei	75 (1.7)
Singapore	73 (1.6)
Hong Kong SAR	70 (2.1)
Malaysia	69 (1.7)
Russian Federation	68 (2.2)
Thailand	65 (2.6)
Slovenia	63 (2.5)
England	63 (2.1)
Italy	62 (2.5)
Israel	61 (1.7)
United States	58 (1.7)
Sweden	57 (2.6)
Qatar	56 (1.8)
Canada	56 (1.8)
Malta	55 (1.9)
Kazakhstan	54 (3.2)
United Arab Emirates	54 (1.3)
Turkey	54 (2.0)
International Avg.	53 (0.3)
Ireland	53 (2.0)
Jordan	52 (1.8)
Iran, Islamic Rep. of	51 (2.3)
Australia	51 (2.2)
New Zealand	47 (1.9)
Chile	46 (2.2)
Bahrain	46 (2.1)
Lithuania	46 (2.5)
Oman	44 (1.7)
Norway (9)	43 (2.0)
Lebanon	38 (2.4)
Saudi Arabia	37 (2.5)
Kuwait	35 (2.6)
Egypt	33 (2.2)
Morocco	32 (1.3)
Georgia	32 (2.4)
Botswana (9)	28 (1.6)
South Africa (9)	20 (1.1)
Benchmarking Participants	
Quebec, Canada	66 (2.8)
Dubai, UAE	65 (2.2)
Florida, US	56 (3.9)
Ontario, Canada	51 (2.5)
Abu Dhabi, UAE	47 (2.5)
Norway (8)	36 (2.0)
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

**S10_09 (S062005): Syringes with solid and air
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	66 (1.8) ⬤	
Korea, Rep. of	60 (2.4) ⬤	
England	57 (2.0) ⬤	
Japan	55 (1.8) ⬤	
Israel	55 (2.3) ⬤	
Kazakhstan	51 (2.3) ⬤	
Turkey	47 (2.3) ⬤	
Bahrain	46 (2.0) ⬤	
Canada	46 (1.7) ⬤	
Russian Federation	46 (2.6) ⬤	
Oman	42 (1.7) ⬤	
Malta	41 (1.9) ⬤	
New Zealand	41 (2.4) ⬤	
Slovenia	38 (2.1) ⬤	
United Arab Emirates	37 (1.5) ⬤	
Qatar	36 (1.8) ⬤	
Hong Kong SAR	35 (2.7) ⬤	
Hungary	34 (2.2) ⬤	
Chinese Taipei	34 (1.8) ⬤	
Ireland	33 (2.0) ⬤	
International Avg.	33 (0.3) ⬤	
Australia	32 (1.5) ⬤	
Italy	31 (2.1) ⬤	
Lithuania	30 (2.6) ⬤	
Sweden	30 (2.4) ⬤	
United States	27 (1.4) ⬤	
Norway (9)	24 (2.1) ⬤	
Malaysia	23 (1.7) ⬤	
Chile	22 (1.7) ⬤	
Iran, Islamic Rep. of	21 (1.5) ⬤	
Georgia	20 (2.2) ⬤	
Kuwait	18 (1.7) ⬤	
Jordan	17 (1.4) ⬤	
Botswana (9)	16 (1.5) ⬤	
Egypt	14 (1.3) ⬤	
South Africa (9)	11 (1.5) ⬤	
Saudi Arabia	10 (1.5) ⬤	
Thailand	9 (1.3) ⬤	
Lebanon	8 (1.4) ⬤	
Morocco	8 (0.8) ⬤	
Benchmarking Participants		
Ontario, Canada	54 (2.4) ⬤	
Dubai, UAE	52 (1.9) ⬤	
Abu Dhabi, UAE	31 (2.7) ⬤	
Florida, US	28 (3.3) ⬤	
Quebec, Canada	27 (2.9) ⬤	
Norway (8)	19 (1.9) ⬤	
Buenos Aires, Argentina	7 (1.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_10 (S062075): Hugo's chemical reaction
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	82 (1.4) ⬤	
Japan	82 (1.6) ⬤	
Slovenia	70 (2.6) ⬤	
Singapore	69 (1.8) ⬤	
Kazakhstan	66 (2.9) ⬤	
England	63 (2.3) ⬤	
Turkey	62 (1.8) ⬤	
Russian Federation	59 (2.4) ⬤	
United States	59 (1.3) ⬤	
Lithuania	58 (2.8) ⬤	
Norway (9)	58 (2.1) ⬤	
Italy	56 (2.3)	
Chile	55 (2.2)	
United Arab Emirates	54 (1.4)	
Sweden	54 (2.2)	
Georgia	54 (2.5)	
Canada	53 (1.7)	
Ireland	53 (2.1)	
International Avg.	53 (0.3)	
Lebanon	52 (3.1)	
New Zealand	52 (1.6)	
Hungary	52 (2.6)	
Australia	50 (1.7) ⬤	
Israel	49 (1.8) ⬤	
Korea, Rep. of	49 (1.9) ⬤	
Hong Kong SAR	49 (2.4)	
Morocco	49 (1.4) ⬤	
Jordan	49 (1.9) ⬤	
Qatar	47 (2.3) ⬤	
South Africa (9)	44 (1.4) ⬤	
Malta	44 (1.8) ⬤	
Bahrain	43 (1.9) ⬤	
Kuwait	42 (2.5) ⬤	
Saudi Arabia	42 (2.8) ⬤	
Oman	42 (2.0) ⬤	
Egypt	42 (1.8) ⬤	
Iran, Islamic Rep. of	41 (2.0) ⬤	
Thailand	41 (1.8) ⬤	
Malaysia	40 (1.8) ⬤	
Botswana (9)	39 (2.0) ⬤	
Benchmarking Participants		
Quebec, Canada	70 (2.5) ⬤	
Dubai, UAE	65 (1.7) ⬤	
Norway (8)	52 (2.4)	
Abu Dhabi, UAE	51 (2.4)	
Ontario, Canada	48 (2.2) ⬤	
Florida, US	47 (3.1) ⬤	
Buenos Aires, Argentina	32 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_11 (S062004): Block pounded into flat sheet
 Multiple Choice (Key is B)

Country	Percent Correct	
Japan	67 (1.8)	
Chinese Taipei	65 (1.6)	
Singapore	64 (1.6)	
Kazakhstan	60 (3.0)	
Slovenia	53 (2.7)	
United States	52 (1.8)	
Russian Federation	52 (1.9)	
Israel	52 (2.1)	
Korea, Rep. of	48 (2.0)	
Canada	46 (2.1)	
Lithuania	45 (2.6)	
Sweden	43 (2.5)	
Hungary	42 (2.4)	
Hong Kong SAR	42 (2.2)	
New Zealand	41 (1.9)	
England	40 (2.3)	
Norway (9)	39 (2.4)	
Malta	38 (1.9)	
Italy	38 (2.2)	
Australia	38 (1.7)	
International Avg.	37 (0.3)	
United Arab Emirates	37 (1.6)	
Morocco	37 (1.6)	
Georgia	35 (3.0)	
Ireland	35 (1.9)	
Chile	35 (2.0)	
Malaysia	30 (1.7)	
Oman	30 (1.8)	
Iran, Islamic Rep. of	29 (1.8)	
Lebanon	27 (2.1)	
Bahrain	25 (2.3)	
Turkey	25 (2.1)	
Qatar	22 (2.0)	
Kuwait	22 (1.8)	
Thailand	21 (2.0)	
Jordan	17 (1.6)	
Egypt	17 (1.5)	
South Africa (9)	15 (1.3)	
Botswana (9)	12 (1.2)	
Saudi Arabia	9 (1.4)	
Benchmarking Participants		
Quebec, Canada	58 (3.2)	
Florida, US	56 (3.2)	
Dubai, UAE	44 (2.5)	
Ontario, Canada	40 (2.2)	
Abu Dhabi, UAE	37 (2.7)	
Norway (8)	29 (2.5)	
Buenos Aires, Argentina	18 (2.1)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S10_12 (S062175): Power plant geographic factor
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	57 (2.1) ▲	
Ireland	57 (1.9) ▲	
Russian Federation	55 (2.1) ▲	
Singapore	54 (1.9) ▲	
Chinese Taipei	52 (2.1) ▲	
Lithuania	52 (2.6) ▲	
England	52 (2.2) ▲	
Japan	50 (1.9) ▲	
Sweden	48 (2.1) ▲	
Turkey	47 (2.1) ▲	
Australia	46 (1.7) ▲	
Canada	45 (1.8) ▲	
Korea, Rep. of	45 (2.0) ▲	
Italy	45 (2.2) ▲	
Kazakhstan	43 (2.8) ▲	
Malaysia	42 (2.1) ▲	
New Zealand	42 (2.1) ▲	
Georgia	41 (2.8) ▲	
Slovenia	40 (2.1) ▲	
Norway (9)	38 (2.5) ▲	
International Avg.	36 (0.3)	
United States	36 (1.3) ▲	
United Arab Emirates	36 (1.3) ▲	
Qatar	35 (1.8) ▲	
Malta	35 (1.9) ▲	
Israel	34 (1.7) ▲	
Hungary	34 (1.9) ▲	
Oman	30 (1.6) ▽	
Bahrain	29 (1.8) ▽	
Chile	29 (2.1) ▽	
Egypt	29 (1.9) ▽	
Jordan	29 (1.7) ▽	
Iran, Islamic Rep. of	26 (1.5) ▽	
Morocco	19 (1.3) ▽	
Kuwait	15 (1.6) ▽	
Saudi Arabia	13 (1.7) ▽	
Thailand	12 (1.3) ▽	
South Africa (9)	9 (1.2) ▽	
Botswana (9)	6 (0.9) ▽	
Lebanon	6 (1.0) ▽	
Benchmarking Participants		
Ontario, Canada	47 (2.2) ▲	
Quebec, Canada	44 (2.9) ▲	
Dubai, UAE	44 (1.8) ▲	
Abu Dhabi, UAE	31 (2.7) ▲	
Norway (8)	27 (1.7) ▽	
Florida, US	27 (3.1) ▽	
Buenos Aires, Argentina	12 (2.0) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_13A (S062173A): Temperature and geography (DERIVED)
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Japan	81 (1.8) ⬤	
Korea, Rep. of	76 (1.8) ⬤	
Chinese Taipei	73 (2.1) ⬤	
Hong Kong SAR	69 (2.3) ⬤	
Singapore	68 (1.6) ⬤	
Slovenia	67 (2.3) ⬤	
Sweden	67 (2.0) ⬤	
Norway (9)	66 (1.9) ⬤	
Lithuania	65 (2.3) ⬤	
Canada	56 (1.7) ⬤	
England	55 (2.0) ⬤	
Kazakhstan	55 (2.7) ⬤	
Australia	53 (1.9) ⬤	
New Zealand	52 (1.8) ⬤	
Italy	52 (2.4) ⬤	
Ireland	51 (2.1) ⬤	
Hungary	51 (2.0) ⬤	
United States	49 (1.5) ⬤	
Turkey	48 (2.0) ⬤	
Russian Federation	44 (2.1)	
International Avg.	43 (0.3)	
Chile	40 (1.8)	
Malta	38 (2.2) ⬤	
Israel	38 (1.8) ⬤	
Malaysia	35 (1.5) ⬤	
United Arab Emirates	34 (1.5) ⬤	
Thailand	30 (1.8) ⬤	
Qatar	30 (1.8) ⬤	
Bahrain	26 (2.1) ⬤	
Iran, Islamic Rep. of	26 (1.8) ⬤	
Lebanon	24 (2.1) ⬤	
Georgia	24 (2.2) ⬤	
Oman	23 (1.5) ⬤	
South Africa (9)	22 (1.6) ⬤	
Kuwait	21 (2.0) ⬤	
Botswana (9)	19 (1.7) ⬤	
Saudi Arabia	17 (2.0) ⬤	
Jordan	17 (1.5) ⬤	
Morocco	14 (0.9) ⬤	
Egypt	12 (1.2) ⬤	
Benchmarking Participants		
Quebec, Canada	69 (3.0) ⬤	
Norway (8)	59 (2.9) ⬤	
Ontario, Canada	50 (2.2) ⬤	
Dubai, UAE	44 (2.2)	
Florida, US	41 (3.2)	
Abu Dhabi, UAE	31 (2.4) ⬤	
Buenos Aires, Argentina	22 (2.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_13AA (S062173AA): Temperature and geography: March
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	94 (1.1) ⬤	
Hong Kong SAR	90 (1.4) ⬤	
Chinese Taipei	89 (1.3) ⬤	
Singapore	88 (1.3) ⬤	
Korea, Rep. of	87 (1.3) ⬤	
Sweden	83 (1.7) ⬤	
England	83 (1.5) ⬤	
Lithuania	82 (1.7) ⬤	
Slovenia	81 (1.8) ⬤	
New Zealand	81 (1.5) ⬤	
Canada	81 (1.2) ⬤	
Ireland	80 (1.7) ⬤	
Australia	80 (1.4) ⬤	
Norway (9)	80 (1.8) ⬤	
Russian Federation	79 (2.1) ⬤	
Italy	79 (2.0) ⬤	
United States	78 (1.1) ⬤	
Hungary	78 (2.0) ⬤	
Israel	77 (1.7) ⬤	
Turkey	77 (1.6) ⬤	
Kazakhstan	77 (2.3) ⬤	
Chile	73 (2.0)	
International Avg.	72 (0.3)	
Malta	71 (2.1)	
Malaysia	70 (1.5)	
United Arab Emirates	68 (1.2) ⬤	
Iran, Islamic Rep. of	67 (1.9) ⬤	
Thailand	65 (2.4) ⬤	
Qatar	62 (1.9) ⬤	
Bahrain	59 (2.4) ⬤	
Oman	59 (1.7) ⬤	
Lebanon	58 (2.8) ⬤	
Jordan	57 (2.3) ⬤	
Georgia	57 (2.6) ⬤	
Kuwait	56 (2.2) ⬤	
Botswana (9)	55 (1.8) ⬤	
South Africa (9)	55 (1.8) ⬤	
Saudi Arabia	52 (2.9) ⬤	
Morocco	51 (1.3) ⬤	
Egypt	44 (1.9) ⬤	
Benchmarking Participants		
Quebec, Canada	87 (1.7) ⬤	
Ontario, Canada	77 (1.7) ⬤	
Florida, US	77 (1.9) ⬤	
Norway (8)	76 (2.4)	
Dubai, UAE	75 (1.5)	
Abu Dhabi, UAE	63 (2.6) ⬤	
Buenos Aires, Argentina	53 (3.5) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_13AB (S062173AB): Temperature and geography: October
Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	90 (1.1)	
Japan	90 (1.1)	
Hong Kong SAR	89 (1.5)	
Slovenia	88 (1.7)	
Chinese Taipei	86 (1.3)	
Korea, Rep. of	86 (1.3)	
Hungary	86 (1.5)	
Italy	85 (1.7)	
Lithuania	85 (1.6)	
Russian Federation	84 (1.6)	
Australia	83 (1.3)	
Sweden	83 (1.5)	
Norway (9)	83 (1.7)	
Canada	82 (1.1)	
England	82 (1.5)	
Ireland	81 (1.8)	
United States	80 (1.2)	
New Zealand	79 (1.6)	
Kazakhstan	79 (2.4)	
Chile	77 (1.9)	
Turkey	76 (1.6)	
Israel	76 (1.7)	
Malta	73 (1.9)	
International Avg.	73 (0.3)	
Malaysia	73 (1.6)	
United Arab Emirates	70 (1.3)	
Thailand	65 (1.9)	
Georgia	63 (2.5)	
Iran, Islamic Rep. of	62 (2.0)	
Qatar	62 (1.6)	
Bahrain	61 (3.0)	
Oman	61 (1.7)	
Botswana (9)	59 (1.8)	
Jordan	57 (2.0)	
Lebanon	56 (2.7)	
Kuwait	55 (2.3)	
South Africa (9)	53 (1.6)	
Morocco	53 (1.5)	
Saudi Arabia	51 (2.6)	
Egypt	45 (2.0)	
Benchmarking Participants		
Quebec, Canada	89 (1.8)	
Norway (8)	80 (2.2)	
Ontario, Canada	78 (1.4)	
Dubai, UAE	77 (1.7)	
Florida, US	76 (3.2)	
Abu Dhabi, UAE	65 (2.8)	
Buenos Aires, Argentina	53 (3.4)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_13AC (S062173AC): Temperature and geography: Dec-Feb
 Multiple Choice (Key is A)

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

Country	Percent Correct
Japan	93 (1.1) ▲
Chinese Taipei	91 (1.1) ▲
Korea, Rep. of	89 (1.2) ▲
Hong Kong SAR	88 (1.5) ▲
Slovenia	88 (1.9) ▲
Lithuania	87 (1.7) ▲
Singapore	86 (1.1) ▲
Norway (9)	86 (1.5) ▲
Hungary	84 (1.6) ▲
Canada	83 (1.2) ▲
New Zealand	83 (1.5) ▲
England	83 (1.7) ▲
Sweden	83 (1.7) ▲
Italy	82 (1.8) ▲
Ireland	82 (1.8) ▲
Kazakhstan	82 (2.3) ▲
Australia	81 (1.3) ▲
Russian Federation	81 (1.8) ▲
United States	79 (1.2) ▲
Chile	71 (2.1)
Malta	71 (2.0)
International Avg.	71 (0.3)
Israel	68 (1.9)
Turkey	68 (1.7)
Malaysia	67 (1.5) ▽
United Arab Emirates	65 (1.4) ▽
Georgia	63 (2.7) ▽
Thailand	61 (1.8) ▽
Qatar	59 (1.7) ▽
Oman	55 (1.9) ▽
South Africa (9)	55 (1.7) ▽
Iran, Islamic Rep. of	55 (1.9) ▽
Kuwait	52 (2.3) ▽
Botswana (9)	52 (1.8) ▽
Jordan	51 (1.8) ▽
Lebanon	51 (2.9) ▽
Bahrain	50 (2.5) ▽
Morocco	46 (1.3) ▽
Saudi Arabia	46 (2.7) ▽
Egypt	40 (2.0) ▽
Benchmarking Participants	
Quebec, Canada	87 (2.0) ▲
Ontario, Canada	81 (1.4) ▲
Norway (8)	80 (2.0) ▲
Dubai, UAE	75 (2.0) ▲
Florida, US	71 (2.6)
Abu Dhabi, UAE	62 (2.5) ▽
Buenos Aires, Argentina	51 (3.2) ▽

▲ Percent significantly higher than international average

▼ Percent significantly lower 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_13AD (S062173AD): Temperature and geography: average
Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	93 (1.0) ⬤	
Korea, Rep. of	91 (1.0) ⬤	
Norway (9)	89 (1.6) ⬤	
Slovenia	88 (1.5) ⬤	
Chinese Taipei	87 (1.4) ⬤	
Lithuania	86 (1.7) ⬤	
Sweden	86 (1.7) ⬤	
Singapore	85 (1.2) ⬤	
Hong Kong SAR	81 (1.9) ⬤	
Canada	78 (1.7) ⬤	
Turkey	77 (1.6) ⬤	
England	76 (2.0) ⬤	
Kazakhstan	76 (1.8) ⬤	
New Zealand	74 (1.5) ⬤	
Australia	73 (1.4) ⬤	
Italy	70 (2.5) ⬤	
United States	70 (1.4) ⬤	
Ireland	68 (2.1) ⬤	
Hungary	68 (2.1) ⬤	
International Avg.	67 (0.3) ⬤	
Chile	67 (1.9) ⬤	
United Arab Emirates	64 (1.2) ⬤	
Malta	62 (1.9) ⬤	
Kuwait	62 (2.3) ⬤	
Russian Federation	60 (2.1) ⬤	
Israel	60 (1.8) ⬤	
Malaysia	58 (1.6) ⬤	
Iran, Islamic Rep. of	58 (2.0) ⬤	
Qatar	57 (2.3) ⬤	
Oman	57 (2.0) ⬤	
Bahrain	55 (1.9) ⬤	
Botswana (9)	52 (2.1) ⬤	
Thailand	52 (1.8) ⬤	
Morocco	52 (1.3) ⬤	
Saudi Arabia	52 (2.1) ⬤	
Jordan	51 (1.9) ⬤	
South Africa (9)	51 (1.4) ⬤	
Georgia	49 (2.2) ⬤	
Lebanon	46 (2.6) ⬤	
Egypt	41 (1.9) ⬤	
Benchmarking Participants		
Quebec, Canada	88 (1.9) ⬤	
Norway (8)	82 (1.8) ⬤	
Ontario, Canada	73 (2.2) ⬤	
Dubai, UAE	69 (1.6) ⬤	
Florida, US	64 (3.0) ⬤	
Abu Dhabi, UAE	63 (2.1) ⬤	
Buenos Aires, Argentina	43 (2.4) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S10_13B (S062173B): Climate and geography
 Multiple Choice (Key is A)

Country	Percent Correct
Slovenia	57 (2.1) ▲
Kazakhstan	54 (2.6) ▲
Italy	50 (2.2) ▲
Hungary	48 (2.1) ▲
Chinese Taipei	44 (2.1) ▲
Russian Federation	41 (2.0) ▲
Lithuania	41 (2.7) ▲
Sweden	39 (2.3) ▲
Ireland	39 (2.2) ▲
Canada	36 (2.0) ▲
Kuwait	33 (1.9)
Norway (9)	33 (2.2)
United States	32 (1.6)
Korea, Rep. of	32 (1.7)
Chile	31 (2.0)
International Avg.	31 (0.3)
Georgia	31 (2.5)
Japan	31 (1.7)
Oman	30 (1.6)
Hong Kong SAR	30 (1.8)
United Arab Emirates	30 (1.3)
Morocco	29 (1.2)
England	29 (2.2)
Australia	27 (1.4) ▽
Bahrain	27 (1.7) ▽
Jordan	26 (1.7) ▽
Saudi Arabia	26 (2.2) ▽
New Zealand	26 (1.4) ▽
South Africa (9)	25 (1.4) ▽
Qatar	25 (1.8) ▽
Iran, Islamic Rep. of	25 (1.6) ▽
Botswana (9)	24 (1.6) ▽
Israel	24 (1.6) ▽
Egypt	24 (1.5) ▽
Turkey	23 (1.6) ▽
Malta	23 (1.7) ▽
Singapore	23 (1.6) ▽
Lebanon	20 (2.0) ▽
Malaysia	15 (1.3) ▽
Thailand	14 (1.3) ▽
Benchmarking Participants	
Ontario, Canada	39 (2.5) ▲
Dubai, UAE	32 (1.7)
Norway (8)	32 (2.4)
Quebec, Canada	30 (2.8)
Florida, US	27 (2.5)
Abu Dhabi, UAE	26 (2.2) ▽
Buenos Aires, Argentina	24 (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_01A (S052090A): Influenza: Cause
 Multiple Choice (Key is A)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	95 (0.8)	
Kazakhstan	86 (1.8)	
Russian Federation	86 (1.4)	
Iran, Islamic Rep. of	85 (1.4)	
Korea, Rep. of	85 (1.4)	
Jordan	83 (1.2)	
Chinese Taipei	79 (1.4)	
Chile	78 (1.5)	
Oman	73 (1.4)	
Georgia	72 (2.7)	
Hungary	72 (2.2)	
Italy	71 (1.8)	
United Arab Emirates	71 (1.1)	
Saudi Arabia	70 (2.4)	
Bahrain	69 (1.8)	
Sweden	67 (2.5)	
Slovenia	67 (2.5)	
International Avg.	66 (0.3)	
Israel	66 (1.8)	
Lithuania	66 (2.5)	
United States	65 (1.6)	
Canada	65 (1.8)	
Qatar	64 (1.8)	
England	64 (2.4)	
Singapore	64 (1.5)	
Morocco	63 (1.5)	
Kuwait	62 (2.3)	
Lebanon	62 (2.5)	
Ireland	60 (1.9)	
New Zealand	60 (1.7)	
Malta	57 (2.3)	
Thailand	57 (1.8)	
Australia	54 (1.8)	
Turkey	52 (1.8)	
Malaysia	52 (2.0)	
Hong Kong SAR	51 (2.3)	
Egypt	51 (2.3)	
Norway (9)	47 (1.8)	
Botswana (9)	39 (2.0)	
South Africa (9)	38 (1.9)	
Benchmarking Participants		
Dubai, UAE	77 (1.5)	
Florida, US	71 (2.1)	
Abu Dhabi, UAE	68 (2.2)	
Ontario, Canada	66 (2.3)	
Quebec, Canada	62 (2.6)	
Buenos Aires, Argentina	57 (2.7)	
Norway (8)	46 (2.3)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_01B (S052090B): Influenza: How is it spread Constructed Response (1 Point)

Country	Percent Correct	
Kazakhstan	44 (2.7)	
Australia	40 (2.1)	
Singapore	38 (1.8)	
England	36 (1.9)	
Chinese Taipei	35 (1.9)	
Norway (9)	35 (1.9)	
Canada	33 (1.6)	
Ireland	32 (1.8)	
United States	31 (1.5)	
New Zealand	30 (1.8)	
Israel	28 (1.8)	
Sweden	26 (2.3)	
Jordan	24 (1.8)	
Russian Federation	22 (1.9)	
Japan	22 (1.5)	
Qatar	20 (1.4)	
Lithuania	20 (2.2)	
Hong Kong SAR	19 (1.9)	
International Avg.	19 (0.3)	
Hungary	18 (1.7)	
Chile	16 (1.7)	
Slovenia	15 (1.5)	
Bahrain	15 (1.4)	
Malta	14 (1.6)	
Italy	14 (1.6)	
United Arab Emirates	12 (0.9)	
Turkey	11 (1.3)	
Kuwait	10 (1.7)	
Korea, Rep. of	9 (1.1)	
Egypt	9 (0.9)	
South Africa (9)	8 (0.7)	
Botswana (9)	7 (1.2)	
Lebanon	7 (1.3)	
Oman	6 (0.8)	
Morocco	6 (0.7)	
Saudi Arabia	5 (1.3)	
Georgia	5 (1.1)	
Malaysia	5 (0.7)	
Thailand	4 (0.7)	
Iran, Islamic Rep. of	3 (0.6)	
Benchmarking Participants		
Ontario, Canada	37 (1.8)	
Norway (8)	34 (1.9)	
Florida, US	29 (1.9)	
Quebec, Canada	24 (2.2)	
Dubai, UAE	21 (2.0)	
Buenos Aires, Argentina	16 (2.3)	
Abu Dhabi, UAE	10 (1.4)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_02 (S052262): Biceps and triceps
 Multiple Choice (Key is A)

Country	Percent Correct
Japan	84 (1.6)
Korea, Rep. of	70 (1.8)
Russian Federation	65 (2.5)
Kazakhstan	65 (2.7)
Singapore	61 (1.7)
Slovenia	60 (1.9)
Chinese Taipei	60 (1.7)
Ireland	59 (1.9)
Sweden	58 (2.2)
Italy	58 (2.2)
Hungary	58 (2.2)
Lithuania	55 (2.5)
England	53 (1.9)
United States	52 (1.6)
New Zealand	52 (2.0)
Canada	51 (1.6)
Australia	51 (1.6)
Hong Kong SAR	50 (2.1)
Turkey	48 (1.8)
International Avg.	48 (0.3)
Iran, Islamic Rep. of	46 (1.9)
Norway (9)	46 (2.4)
Malta	46 (2.2)
Chile	45 (2.2)
Botswana (9)	44 (1.9)
Malaysia	43 (1.6)
Israel	41 (2.0)
Qatar	40 (2.0)
Georgia	39 (2.1)
Thailand	39 (2.0)
United Arab Emirates	38 (1.4)
South Africa (9)	37 (1.5)
Bahrain	36 (2.0)
Lebanon	34 (2.8)
Oman	34 (1.9)
Kuwait	31 (2.0)
Saudi Arabia	31 (2.3)
Egypt	27 (1.8)
Jordan	25 (1.6)
Morocco	23 (1.1)
Benchmarking Participants	
Ontario, Canada	54 (2.1)
Dubai, UAE	50 (1.9)
Florida, US	48 (3.1)
Norway (8)	45 (2.0)
Quebec, Canada	44 (2.8)
Buenos Aires, Argentina	37 (2.3)
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

S11_03 (S052267): Acquired characteristics Multiple Choice (Key is C)

Country	Percent Correct	
Chinese Taipei	89 (1.2)	
Hong Kong SAR	84 (1.6)	
Turkey	78 (1.7)	
Russian Federation	78 (2.0)	
Singapore	71 (1.8)	
Hungary	65 (2.1)	
Korea, Rep. of	64 (1.9)	
Georgia	62 (2.9)	
Kazakhstan	57 (3.0)	
Slovenia	56 (2.1)	
Lithuania	55 (2.2)	
United States	54 (1.8)	
Israel	52 (1.8)	
England	51 (2.7)	
Ireland	49 (2.1)	
Japan	48 (1.8)	
Australia	48 (1.8)	
Iran, Islamic Rep. of	47 (2.1)	
Canada	46 (1.8)	
International Avg.	45 (0.3)	
Thailand	44 (2.1)	
Sweden	43 (2.3)	
New Zealand	42 (1.9)	
Jordan	38 (1.8)	
Malta	34 (2.0)	
Chile	32 (2.2)	
United Arab Emirates	31 (1.4)	
Italy	31 (2.5)	
Qatar	30 (2.1)	
Bahrain	29 (2.0)	
South Africa (9)	27 (1.6)	
Norway (9)	26 (2.0)	
Oman	25 (1.6)	
Malaysia	24 (1.4)	
Lebanon	23 (2.3)	
Egypt	23 (1.8)	
Botswana (9)	22 (1.3)	
Kuwait	22 (2.1)	
Morocco	18 (1.2)	
Saudi Arabia	17 (1.8)	
Benchmarking Participants		
Florida, US	50 (3.1)	
Ontario, Canada	49 (2.1)	
Quebec, Canada	42 (3.9)	
Dubai, UAE	36 (2.2)	
Abu Dhabi, UAE	30 (2.2)	
Buenos Aires, Argentina	28 (2.6)	
Norway (8)	23 (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

**S11_04 (S052273): Flooding leads to shortage/disease
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Slovenia	39 (2.2) ⬤	76 (2.1) ⬤
Singapore	35 (1.7) ⬤	72 (1.7) ⬤
England	33 (2.0) ⬤	69 (2.3) ⬤
Japan	33 (1.9) ⬤	63 (2.1) ⬤
Chinese Taipei	29 (1.8) ⬤	60 (2.1) ⬤
Hong Kong SAR	29 (2.4) ⬤	63 (2.4) ⬤
Turkey	27 (1.8) ⬤	49 (2.1) ⬤
United States	26 (1.4) ⬤	65 (1.7) ⬤
Bahrain	25 (1.5) ⬤	51 (1.9) ⬤
Canada	23 (1.5) ⬤	55 (1.5) ⬤
Ireland	22 (1.8) ⬤	54 (2.2) ⬤
Norway (9)	20 (1.8)	54 (1.9) ⬤
Russian Federation	20 (1.8)	55 (2.4) ⬤
Qatar	20 (1.3) ⬤	43 (1.7)
Israel	17 (1.7)	45 (2.1)
Oman	17 (1.3)	48 (1.6) ⬤
New Zealand	17 (1.5)	52 (2.6) ⬤
Botswana (9)	17 (1.2)	44 (2.1)
International Avg.	17 (0.2)	44 (0.3)
United Arab Emirates	16 (1.1)	42 (1.3) ⬤
Kazakhstan	16 (2.3)	51 (2.6) ⬤
Georgia	15 (2.3)	40 (2.8)
Malta	15 (1.3)	39 (1.7) ⬤
Kuwait	13 (1.9) ⬤	34 (2.5) ⬤
Sweden	12 (1.5) ⬤	49 (2.9)
Lithuania	12 (1.7) ⬤	48 (2.8)
Hungary	11 (1.6) ⬤	38 (2.4) ⬤
Malaysia	10 (0.9) ⬤	30 (1.6) ⬤
Jordan	9 (1.2) ⬤	35 (2.0) ⬤
Saudi Arabia	9 (1.5) ⬤	24 (2.6) ⬤
Chile	9 (1.3) ⬤	30 (2.2) ⬤
Australia	9 (1.0) ⬤	46 (1.6)
Thailand	9 (1.0) ⬤	39 (2.3) ⬤
Korea, Rep. of	9 (1.0) ⬤	43 (2.0)
South Africa (9)	8 (1.1) ⬤	22 (1.8) ⬤
Egypt	6 (0.9) ⬤	23 (1.6) ⬤
Morocco	5 (0.6) ⬤	23 (1.1) ⬤
Iran, Islamic Rep. of	4 (0.7) ⬤	22 (1.5) ⬤
Italy	4 (0.7) ⬤	18 (1.8) ⬤
Lebanon	0 (0.2) ⬤	6 (0.8) ⬤
Benchmarking Participants		
Dubai, UAE	28 (1.9) ⬤	56 (2.3) ⬤
Ontario, Canada	26 (2.0) ⬤	58 (2.3) ⬤
Florida, US	23 (2.1) ⬤	61 (3.2) ⬤
Quebec, Canada	22 (2.5) ⬤	53 (2.9) ⬤
Norway (8)	16 (1.8)	49 (2.6)
Abu Dhabi, UAE	10 (2.2) ⬤	35 (2.5) ⬤
Buenos Aires, Argentina	2 (0.7) ⬤	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

S11_05A (S052015A): Symbols represent elements: O
 Multiple Choice (Key is A)

Country	Percent Correct	
Slovenia	95 (1.0)	
Japan	94 (1.1)	
Lithuania	94 (1.1)	
Chinese Taipei	92 (1.2)	
Korea, Rep. of	92 (1.0)	
Singapore	91 (1.1)	
Kazakhstan	91 (1.2)	
Russian Federation	90 (1.4)	
Norway (9)	89 (1.4)	
Israel	89 (1.4)	
Italy	87 (1.7)	
Hungary	87 (1.7)	
Turkey	85 (1.5)	
United States	85 (1.0)	
Jordan	85 (1.3)	
Hong Kong SAR	82 (1.8)	
Sweden	82 (1.7)	
Kuwait	82 (2.1)	
England	81 (2.2)	
United Arab Emirates	81 (1.3)	
International Avg.	81 (0.3)	
Oman	80 (1.5)	
Bahrain	79 (2.0)	
Georgia	79 (2.9)	
New Zealand	79 (2.0)	
Iran, Islamic Rep. of	77 (1.5)	
Malaysia	77 (1.6)	
Australia	77 (1.8)	
Chile	76 (1.9)	
Malta	76 (1.5)	
Ireland	76 (2.0)	
Lebanon	76 (2.5)	
Qatar	74 (1.7)	
Saudi Arabia	72 (1.8)	
Morocco	72 (1.3)	
Canada	69 (1.8)	
Thailand	69 (2.5)	
Egypt	68 (2.0)	
South Africa (9)	60 (1.7)	
Botswana (9)	50 (1.6)	
Benchmarking Participants		
Dubai, UAE	90 (0.9)	
Quebec, Canada	90 (2.3)	
Florida, US	82 (2.5)	
Norway (8)	81 (2.0)	
Abu Dhabi, UAE	76 (2.2)	
Ontario, Canada	62 (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

S11_05B (S052015B): Symbols represent elements: K
 Multiple Choice (Key is A)

Country	Percent Correct	
Slovenia	95 (1.0)	▲
Chinese Taipei	92 (1.1)	▲
Lithuania	92 (1.2)	▲
Singapore	90 (1.2)	▲
Kazakhstan	90 (1.5)	▲
Japan	89 (1.2)	▲
Russian Federation	89 (1.4)	▲
Israel	86 (1.6)	▲
Korea, Rep. of	85 (1.5)	▲
Norway (9)	84 (1.6)	▲
Hungary	84 (2.1)	▲
United States	81 (1.2)	▲
Italy	80 (1.9)	▲
Turkey	80 (1.6)	▲
Sweden	79 (1.8)	
Jordan	79 (1.3)	▲
England	78 (2.1)	
Kuwait	77 (2.2)	
Georgia	77 (2.5)	
United Arab Emirates	75 (1.0)	
International Avg.	75 (0.3)	
Hong Kong SAR	74 (2.0)	
Lebanon	73 (2.6)	
Oman	73 (1.2)	
Qatar	72 (1.8)	
New Zealand	72 (2.2)	
Bahrain	71 (2.3)	
Ireland	71 (2.1)	▼
Chile	70 (2.3)	▼
Australia	69 (2.0)	▼
Morocco	69 (1.3)	▼
Malta	68 (2.0)	▼
Thailand	64 (2.2)	▼
Canada	62 (1.8)	▼
Malaysia	61 (1.7)	▼
Egypt	61 (2.0)	▼
Iran, Islamic Rep. of	61 (2.1)	▼
Saudi Arabia	59 (2.4)	▼
South Africa (9)	59 (1.6)	▼
Botswana (9)	43 (1.9)	▼
Benchmarking Participants		
Quebec, Canada	89 (2.3)	▲
Dubai, UAE	85 (1.0)	▲
Florida, US	78 (3.0)	
Norway (8)	73 (1.7)	
Abu Dhabi, UAE	69 (2.4)	▼
Ontario, Canada	51 (2.2)	▼
Buenos Aires, Argentina	45 (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_05C (S052015C): Symbols represent elements: H₂SO₄
 Multiple Choice (Key is B)

Country	Percent Correct	
Slovenia	95 (1.0) ⬤	
Lithuania	93 (1.3) ⬤	
Japan	93 (1.2) ⬤	
Chinese Taipei	91 (1.2) ⬤	
Kazakhstan	91 (1.3) ⬤	
Singapore	90 (1.2) ⬤	
Hungary	89 (1.7) ⬤	
Russian Federation	88 (1.6) ⬤	
Korea, Rep. of	88 (1.2) ⬤	
Norway (9)	87 (1.5) ⬤	
Israel	86 (1.6) ⬤	
Turkey	83 (1.7) ⬤	
Italy	82 (1.8) ⬤	
United States	82 (1.2) ⬤	
Jordan	82 (1.4) ⬤	
Georgia	81 (2.1)	
England	79 (2.2)	
United Arab Emirates	78 (1.2)	
Kuwait	78 (2.1)	
Sweden	78 (2.0)	
International Avg.	77 (0.3)	
Oman	77 (1.5)	
Hong Kong SAR	76 (1.8)	
New Zealand	76 (2.2)	
Lebanon	74 (2.7)	
Chile	74 (2.2)	
Bahrain	73 (1.9) ⬤	
Qatar	73 (1.8) ⬤	
Australia	72 (2.1) ⬤	
Malta	72 (1.8) ⬤	
Ireland	71 (2.2) ⬤	
Morocco	71 (1.1) ⬤	
Iran, Islamic Rep. of	70 (1.9) ⬤	
Malaysia	67 (1.7) ⬤	
Egypt	65 (2.0) ⬤	
Thailand	65 (2.3) ⬤	
Canada	63 (1.9) ⬤	
Saudi Arabia	63 (2.4) ⬤	
South Africa (9)	59 (1.6) ⬤	
Botswana (9)	43 (1.8) ⬤	
Benchmarking Participants		
Dubai, UAE	89 (1.1) ⬤	
Quebec, Canada	89 (2.3) ⬤	
Florida, US	78 (2.7)	
Norway (8)	77 (1.9)	
Abu Dhabi, UAE	72 (2.2) ⬤	
Ontario, Canada	53 (2.3) ⬤	
Buenos Aires, Argentina	47 (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_05D (S052015D): Symbols represent elements: NH3
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	93 (1.2) ⬤	
Lithuania	91 (1.3) ⬤	
Kazakhstan	88 (1.4) ⬤	
Chinese Taipei	87 (1.3) ⬤	
Russian Federation	87 (1.5) ⬤	
Singapore	86 (1.4) ⬤	
Japan	85 (1.4) ⬤	
Hungary	85 (1.7) ⬤	
Israel	82 (1.6) ⬤	
Norway (9)	82 (1.7) ⬤	
United States	81 (1.1) ⬤	
Sweden	78 (1.7) ⬤	
Jordan	78 (1.6) ⬤	
Georgia	78 (2.3) ⬤	
Korea, Rep. of	78 (1.7) ⬤	
Turkey	77 (1.6) ⬤	
Italy	77 (2.1) ⬤	
England	77 (2.1) ⬤	
New Zealand	74 (2.3) ⬤	
United Arab Emirates	74 (1.2) ⬤	
International Avg.	74 (0.3) ⬤	
Kuwait	73 (2.4) ⬤	
Hong Kong SAR	73 (2.0) ⬤	
Bahrain	72 (1.8) ⬤	
Qatar	72 (2.1) ⬤	
Oman	71 (1.4) ⬤	
Ireland	70 (2.3) ⬤	
Malta	70 (1.8) ⬤	
Lebanon	69 (2.6) ⬤	
Australia	69 (1.7) ⬤	
Chile	69 (2.4) ⬤	
Morocco	68 (1.4) ⬤	
Malaysia	63 (1.7) ⬤	
Thailand	60 (2.3) ⬤	
Egypt	59 (2.2) ⬤	
Iran, Islamic Rep. of	59 (2.4) ⬤	
Saudi Arabia	59 (2.0) ⬤	
Canada	59 (1.8) ⬤	
South Africa (9)	59 (1.7) ⬤	
Botswana (9)	42 (1.7) ⬤	
Benchmarking Participants		
Dubai, UAE	85 (1.4) ⬤	
Quebec, Canada	84 (3.0) ⬤	
Florida, US	77 (3.0) ⬤	
Norway (8)	73 (1.9) ⬤	
Abu Dhabi, UAE	67 (2.5) ⬤	
Ontario, Canada	49 (2.1) ⬤	
Buenos Aires, Argentina	44 (2.5) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_05E (S052015E): Symbols represent elements: CH4
 Multiple Choice (Key is B)

Country	Percent Correct	
Slovenia	94 (1.0) ⬤	
Lithuania	91 (1.5) ⬤	
Japan	90 (1.2) ⬤	
Singapore	89 (1.2) ⬤	
Chinese Taipei	88 (1.2) ⬤	
Kazakhstan	88 (1.4) ⬤	
Russian Federation	86 (1.7) ⬤	
Hungary	86 (1.8) ⬤	
Korea, Rep. of	84 (1.7) ⬤	
United States	81 (1.2) ⬤	
Norway (9)	81 (1.9) ⬤	
Israel	80 (1.6) ⬤	
Italy	80 (2.3) ⬤	
Turkey	79 (1.6) ⬤	
Georgia	78 (2.4) ⬤	
England	78 (1.8) ⬤	
Jordan	76 (1.6) ⬤	
Kuwait	75 (2.1) ⬤	
Sweden	75 (2.1) ⬤	
United Arab Emirates	74 (1.3) ⬤	
International Avg.	74 (0.3) ⬤	
Hong Kong SAR	74 (2.0) ⬤	
New Zealand	73 (2.1) ⬤	
Malta	72 (1.8) ⬤	
Oman	72 (1.4) ⬤	
Bahrain	72 (1.9) ⬤	
Ireland	71 (2.0) ⬤	
Australia	70 (2.1) ⬤	
Chile	70 (2.2) ⬤	
Morocco	68 (1.3) ⬤	
Qatar	68 (1.9) ⬤	
Lebanon	66 (2.7) ⬤	
Malaysia	66 (1.7) ⬤	
Canada	63 (2.1) ⬤	
Iran, Islamic Rep. of	61 (2.1) ⬤	
Thailand	59 (2.3) ⬤	
South Africa (9)	58 (1.6) ⬤	
Saudi Arabia	58 (2.4) ⬤	
Egypt	57 (2.0) ⬤	
Botswana (9)	44 (1.9) ⬤	
Benchmarking Participants		
Dubai, UAE	86 (1.2) ⬤	
Quebec, Canada	85 (3.4) ⬤	
Florida, US	77 (2.8) ⬤	
Norway (8)	76 (1.9) ⬤	
Abu Dhabi, UAE	68 (2.4) ⬤	
Ontario, Canada	53 (2.4) ⬤	
Buenos Aires, Argentina	45 (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_05F (S052015F): Symbols represent elements: Mg
 Multiple Choice (Key is A)

Country	Percent Correct	
Slovenia	96 (0.8)	
Lithuania	92 (1.2)	
Chinese Taipei	90 (1.1)	
Russian Federation	89 (1.3)	
Japan	89 (1.3)	
Singapore	88 (1.3)	
Kazakhstan	88 (1.5)	
Hungary	88 (1.6)	
Korea, Rep. of	83 (1.5)	
Turkey	82 (1.3)	
Norway (9)	81 (2.0)	
United States	80 (1.3)	
Israel	78 (1.6)	
England	78 (1.9)	
Jordan	77 (1.7)	
Georgia	77 (2.7)	
Italy	75 (2.0)	
New Zealand	74 (2.5)	
United Arab Emirates	74 (1.2)	
Sweden	74 (2.0)	
International Avg.	73 (0.3)	
Ireland	73 (2.0)	
Malta	71 (1.7)	
Hong Kong SAR	71 (2.0)	
Australia	71 (1.8)	
Lebanon	70 (2.6)	
Kuwait	69 (2.0)	
Chile	67 (2.5)	
Oman	66 (1.6)	
Qatar	65 (1.9)	
Bahrain	65 (1.7)	
Egypt	62 (2.1)	
South Africa (9)	62 (1.7)	
Canada	61 (1.9)	
Thailand	59 (2.0)	
Morocco	56 (1.5)	
Malaysia	55 (1.9)	
Saudi Arabia	53 (2.4)	
Botswana (9)	51 (1.7)	
Iran, Islamic Rep. of	51 (2.0)	
Benchmarking Participants		
Dubai, UAE	83 (1.2)	
Quebec, Canada	82 (2.6)	
Florida, US	73 (3.1)	
Norway (8)	70 (2.2)	
Abu Dhabi, UAE	70 (2.3)	
Ontario, Canada	51 (2.2)	
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

S11_05Z (S052015Z): Symbols represent elements (DERIVED)
 Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	88 (1.5)	
Lithuania	85 (1.8)	
Russian Federation	80 (1.7)	
Singapore	77 (1.7)	
Kazakhstan	77 (2.1)	
Japan	75 (1.6)	
Chinese Taipei	75 (1.4)	
Hungary	70 (2.3)	
Korea, Rep. of	69 (2.0)	
United States	68 (1.4)	
Norway (9)	68 (2.2)	
Israel	68 (1.9)	
Georgia	67 (3.2)	
Turkey	65 (2.1)	
England	65 (2.4)	
Jordan	62 (1.9)	
Italy	61 (2.3)	
New Zealand	59 (2.7)	
Sweden	59 (2.3)	
International Avg.	57 (0.3)	
United Arab Emirates	57 (1.3)	
Ireland	57 (2.3)	
Lebanon	57 (2.8)	
Australia	52 (2.0)	
Hong Kong SAR	52 (2.5)	
Chile	52 (2.3)	
Malta	52 (2.0)	
Qatar	51 (2.2)	
Kuwait	50 (2.1)	
Bahrain	50 (1.8)	
Oman	49 (1.5)	
Canada	46 (1.9)	
South Africa (9)	41 (1.8)	
Thailand	40 (2.3)	
Egypt	39 (2.1)	
Morocco	39 (1.5)	
Malaysia	34 (1.8)	
Saudi Arabia	28 (2.6)	
Iran, Islamic Rep. of	25 (2.0)	
Botswana (9)	22 (1.4)	
Benchmarking Participants		
Quebec, Canada	76 (3.7)	
Dubai, UAE	70 (1.4)	
Florida, US	62 (3.7)	
Norway (8)	52 (2.2)	
Abu Dhabi, UAE	51 (2.5)	
Ontario, Canada	32 (2.0)	
Buenos Aires, Argentina	29 (2.2)	

Percent significantly higher than international average

Percent significantly lower 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 (S052051): Is element metal or nonmetal
Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	55 (2.1) ▲	
Singapore	54 (1.6) ▲	
Japan	52 (2.4) ▲	
Israel	52 (2.2) ▲	
Hungary	51 (2.3) ▲	
Lithuania	49 (3.0) ▲	
Kazakhstan	48 (3.1) ▲	
Turkey	43 (2.1) ▲	
Russian Federation	42 (2.4) ▲	
Sweden	42 (2.6) ▲	
England	40 (2.5) ▲	
Norway (9)	39 (2.5) ▲	
United States	39 (1.7) ▲	
Chinese Taipei	36 (1.8) ▲	
United Arab Emirates	36 (1.4) ▲	
Iran, Islamic Rep. of	34 (1.8) ▲	
Australia	31 (1.6) ▲	
International Avg.	31 (0.3)	
Qatar	29 (1.9)	
Hong Kong SAR	29 (2.5)	
Ireland	28 (2.1)	
Bahrain	28 (2.1)	
Korea, Rep. of	28 (2.0)	
Malta	26 (1.4) ▽	
Italy	25 (2.1) ▽	
Canada	25 (1.6) ▽	
Jordan	24 (1.8) ▽	
New Zealand	24 (1.9) ▽	
Thailand	21 (1.8) ▽	
Oman	21 (1.5) ▽	
Malaysia	20 (1.4) ▽	
Lebanon	19 (2.3) ▽	
Kuwait	17 (1.7) ▽	
Georgia	17 (2.3) ▽	
Morocco	15 (1.1) ▽	
Egypt	14 (1.5) ▽	
Saudi Arabia	14 (1.7) ▽	
Chile	12 (1.5) ▽	
Botswana (9)	7 (0.8) ▽	
South Africa (9)	5 (0.7) ▽	
Benchmarking Participants		
Dubai, UAE	47 (2.2) ▲	
Abu Dhabi, UAE	31 (2.7)	
Norway (8)	29 (2.3)	
Florida, US	28 (3.4)	
Ontario, Canada	26 (1.8) ▽	
Quebec, Canada	20 (1.9) ▽	
Buenos Aires, Argentina	6 (1.1) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_07 (S052026): Example of chemical change
 Multiple Choice (Key is D)

Country	Percent Correct
Iran, Islamic Rep. of	90 (1.2)
Chinese Taipei	81 (1.3)
Japan	81 (1.5)
Bahrain	77 (1.3)
Kazakhstan	76 (1.9)
Singapore	76 (1.5)
Kuwait	75 (2.2)
Hungary	75 (1.9)
Jordan	74 (1.3)
Russian Federation	74 (2.0)
United Arab Emirates	73 (0.9)
Georgia	73 (2.9)
United States	73 (1.6)
Slovenia	72 (1.8)
Turkey	70 (2.0)
Saudi Arabia	69 (2.4)
Lebanon	67 (2.8)
Sweden	65 (2.4)
Thailand	64 (2.0)
International Avg.	64 (0.3)
Malaysia	64 (1.9)
Oman	63 (1.6)
Israel	63 (2.0)
Qatar	62 (1.7)
Egypt	61 (2.0)
Canada	61 (1.6)
Australia	58 (1.7)
Chile	57 (2.3)
New Zealand	54 (2.2)
Morocco	53 (1.5)
Korea, Rep. of	53 (2.2)
Malta	52 (2.0)
Botswana (9)	52 (1.7)
Hong Kong SAR	51 (2.6)
Ireland	50 (2.2)
Italy	50 (2.7)
England	50 (2.2)
Lithuania	48 (2.6)
Norway (9)	45 (2.3)
South Africa (9)	43 (1.6)
Benchmarking Participants	
Dubai, UAE	80 (1.6)
Florida, US	80 (2.3)
Quebec, Canada	76 (2.5)
Abu Dhabi, UAE	68 (2.1)
Ontario, Canada	54 (1.8)
Norway (8)	43 (2.7)
Buenos Aires, Argentina	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

S11_08 (S052130): Gas inside ping-pong ball
 Multiple Choice (Key is D)

Country	Percent Correct
Japan	67 (1.9)
Hong Kong SAR	64 (2.1)
Israel	60 (1.7)
Chinese Taipei	60 (2.0)
Slovenia	56 (2.3)
Singapore	56 (1.8)
Korea, Rep. of	54 (2.0)
Hungary	53 (2.2)
Lithuania	51 (2.6)
Malaysia	46 (1.6)
Egypt	42 (2.2)
England	42 (2.4)
United States	41 (1.6)
Canada	40 (1.9)
Italy	39 (2.2)
Russian Federation	39 (1.8)
International Avg.	38 (0.3)
Qatar	36 (2.1)
United Arab Emirates	35 (1.5)
Turkey	34 (1.9)
Australia	34 (1.7)
South Africa (9)	33 (1.2)
Lebanon	33 (2.4)
Ireland	33 (2.1)
Jordan	33 (2.2)
Bahrain	33 (2.4)
Kazakhstan	32 (2.1)
New Zealand	30 (1.7)
Morocco	30 (1.5)
Oman	30 (1.6)
Kuwait	30 (2.1)
Saudi Arabia	29 (2.0)
Botswana (9)	29 (1.5)
Sweden	28 (2.0)
Norway (9)	28 (1.8)
Malta	27 (1.8)
Thailand	23 (1.9)
Georgia	23 (2.1)
Chile	22 (1.9)
Iran, Islamic Rep. of	20 (1.6)
Benchmarking Participants	
Quebec, Canada	41 (3.6)
Ontario, Canada	41 (2.5)
Florida, US	40 (3.8)
Dubai, UAE	39 (2.2)
Abu Dhabi, UAE	34 (2.4)
Norway (8)	25 (1.7)
Buenos Aires, Argentina	18 (2.1)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_09 (S052028): Electromagnet attracting needles
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	90 (1.2)	
Japan	86 (1.3)	
Chinese Taipei	77 (1.7)	
Malaysia	73 (1.7)	
Korea, Rep. of	67 (2.0)	
Hong Kong SAR	66 (2.3)	
Slovenia	64 (2.4)	
Australia	62 (1.8)	
Iran, Islamic Rep. of	61 (1.9)	
Chile	61 (2.2)	
England	60 (2.4)	
United States	60 (1.7)	
Norway (9)	59 (1.9)	
Israel	59 (2.2)	
Botswana (9)	58 (1.9)	
Kazakhstan	57 (2.4)	
Russian Federation	56 (2.4)	
Sweden	56 (2.6)	
International Avg.	55 (0.3)	
Ireland	54 (2.4)	
Hungary	52 (2.5)	
Lithuania	52 (2.4)	
Malta	51 (2.0)	
New Zealand	51 (2.3)	
South Africa (9)	51 (1.8)	
United Arab Emirates	50 (1.2)	
Canada	50 (1.9)	
Qatar	49 (2.2)	
Turkey	49 (2.1)	
Oman	48 (2.0)	
Thailand	46 (1.9)	
Georgia	46 (2.5)	
Jordan	44 (2.1)	
Italy	43 (2.6)	
Bahrain	43 (2.9)	
Morocco	40 (1.3)	
Lebanon	39 (2.7)	
Kuwait	39 (2.3)	
Saudi Arabia	37 (2.6)	
Egypt	34 (1.6)	
Benchmarking Participants		
Dubai, UAE	55 (2.3)	
Florida, US	55 (3.8)	
Abu Dhabi, UAE	51 (2.3)	
Ontario, Canada	49 (2.3)	
Quebec, Canada	49 (3.2)	
Norway (8)	45 (2.1)	
Buenos Aires, Argentina	30 (3.0)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_10 (S052189): Paint chip in test tubes
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	66 (1.8)	
Singapore	64 (1.9)	
Korea, Rep. of	63 (2.0)	
Lithuania	60 (2.4)	
Hungary	59 (2.4)	
Russian Federation	58 (2.6)	
United States	57 (1.6)	
Hong Kong SAR	56 (2.9)	
England	56 (2.3)	
Sweden	54 (2.7)	
Chinese Taipei	52 (1.9)	
Kazakhstan	52 (2.2)	
Canada	51 (1.7)	
Norway (9)	51 (2.3)	
Slovenia	51 (2.3)	
New Zealand	50 (1.9)	
Ireland	50 (2.1)	
Italy	47 (2.1)	
Israel	44 (2.1)	
Malta	44 (2.1)	
Australia	43 (1.9)	
International Avg.	39 (0.3)	
Turkey	39 (1.8)	
Bahrain	39 (1.9)	
United Arab Emirates	36 (1.3)	
Iran, Islamic Rep. of	29 (1.7)	
Thailand	28 (2.1)	
Chile	28 (1.7)	
Georgia	28 (2.6)	
Qatar	27 (1.7)	
Malaysia	24 (1.4)	
Oman	22 (1.2)	
Botswana (9)	20 (1.4)	
Kuwait	19 (2.2)	
Lebanon	17 (2.2)	
Jordan	12 (1.5)	
Egypt	12 (1.2)	
Saudi Arabia	11 (1.4)	
South Africa (9)	9 (1.1)	
Morocco	9 (0.8)	
Benchmarking Participants		
Florida, US	54 (3.5)	
Ontario, Canada	52 (2.2)	
Quebec, Canada	52 (2.7)	
Norway (8)	46 (2.4)	
Dubai, UAE	45 (2.0)	
Abu Dhabi, UAE	34 (2.3)	
Buenos Aires, Argentina	13 (1.7)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_11 (S052217): Water pressure on fish
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	65 (2.0)	
Chinese Taipei	60 (2.2)	
Russian Federation	60 (2.8)	
United States	59 (1.7)	
Norway (9)	59 (2.1)	
Singapore	58 (1.7)	
Lithuania	57 (2.5)	
Kazakhstan	56 (2.6)	
Sweden	55 (2.2)	
Slovenia	55 (2.4)	
Malta	55 (2.1)	
Australia	55 (1.9)	
New Zealand	54 (1.8)	
Hungary	54 (2.3)	
Canada	53 (1.6)	
England	52 (2.0)	
United Arab Emirates	52 (1.5)	
Turkey	52 (2.1)	
Israel	52 (1.9)	
Ireland	50 (2.2)	
Hong Kong SAR	49 (2.2)	
Qatar	48 (2.3)	
International Avg.	47 (0.3)	
Lebanon	47 (2.5)	
Chile	45 (2.4)	
Korea, Rep. of	44 (2.1)	
Bahrain	43 (2.0)	
Thailand	41 (2.0)	
Italy	41 (2.4)	
Malaysia	40 (1.8)	
Georgia	39 (3.2)	
Botswana (9)	38 (1.5)	
Oman	37 (1.7)	
Kuwait	36 (2.6)	
Iran, Islamic Rep. of	35 (1.9)	
South Africa (9)	35 (1.4)	
Jordan	32 (2.0)	
Egypt	30 (1.7)	
Saudi Arabia	30 (2.8)	
Morocco	29 (1.6)	
Benchmarking Participants		
Florida, US	61 (2.3)	
Dubai, UAE	59 (2.0)	
Norway (8)	57 (2.4)	
Ontario, Canada	56 (2.2)	
Quebec, Canada	51 (2.7)	
Abu Dhabi, UAE	47 (2.2)	
Buenos Aires, Argentina	35 (2.4)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_12 (S052038): Energy for water cycle Multiple Choice (Key is C)

Country	Percent Correct
Singapore	72 (1.7)
United States	71 (1.3)
Oman	69 (1.6)
Sweden	68 (2.9)
Turkey	63 (1.8)
Australia	60 (1.7)
Ireland	60 (2.2)
Malta	60 (1.9)
Slovenia	59 (2.7)
Italy	59 (2.4)
United Arab Emirates	56 (1.6)
Canada	56 (1.7)
Japan	54 (2.3)
New Zealand	53 (1.8)
Norway (9)	53 (2.3)
England	53 (2.0)
Jordan	52 (2.0)
Bahrain	52 (2.1)
Russian Federation	50 (2.1)
International Avg.	48 (0.3)
Israel	48 (1.9)
Hong Kong SAR	48 (2.2)
Qatar	47 (2.5)
Hungary	46 (2.2)
Kazakhstan	46 (2.8)
Botswana (9)	46 (2.1)
Malaysia	44 (1.9)
Chinese Taipei	42 (1.9)
Kuwait	41 (2.0)
South Africa (9)	41 (1.5)
Saudi Arabia	40 (2.8)
Egypt	40 (1.8)
Lebanon	38 (2.5)
Thailand	38 (2.4)
Lithuania	34 (2.4)
Chile	30 (1.8)
Iran, Islamic Rep. of	29 (1.9)
Morocco	27 (1.4)
Korea, Rep. of	26 (1.7)
Georgia	19 (2.0)
Benchmarking Participants	
Florida, US	72 (3.2)
Dubai, UAE	66 (2.9)
Ontario, Canada	58 (2.2)
Abu Dhabi, UAE	53 (2.6)
Quebec, Canada	47 (2.9)
Norway (8)	43 (2.2)
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

S11_13 (S052099): Trees protect soil from erosion
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	74 (1.7)	
Malaysia	52 (2.0)	
Japan	51 (2.2)	
Chinese Taipei	50 (2.2)	
Turkey	49 (2.1)	
Kazakhstan	47 (2.5)	
United States	47 (1.7)	
Botswana (9)	45 (1.8)	
Israel	44 (1.9)	
Thailand	44 (2.2)	
Ireland	41 (2.1)	
Hong Kong SAR	39 (2.8)	
Italy	38 (2.1)	
Canada	37 (1.9)	
Australia	37 (1.7)	
Georgia	36 (2.6)	
Russian Federation	36 (2.6)	
England	36 (2.1)	
Slovenia	36 (2.6)	
United Arab Emirates	32 (1.3)	
International Avg.	32 (0.3)	
New Zealand	30 (2.1)	
Hungary	27 (2.2)	
Malta	27 (1.7)	
Korea, Rep. of	26 (2.0)	
Qatar	25 (1.6)	
Lebanon	23 (2.5)	
Kuwait	23 (2.1)	
Bahrain	21 (1.5)	
Morocco	21 (1.3)	
Oman	19 (1.6)	
Jordan	18 (1.5)	
Lithuania	18 (2.3)	
Sweden	16 (2.0)	
South Africa (9)	16 (1.3)	
Norway (9)	15 (1.7)	
Iran, Islamic Rep. of	11 (1.2)	
Chile	11 (1.1)	
Egypt	7 (1.0)	
Saudi Arabia	7 (1.0)	
Benchmarking Participants		
Quebec, Canada	48 (3.7)	
Florida, US	47 (3.5)	
Dubai, UAE	45 (2.1)	
Ontario, Canada	32 (2.3)	
Abu Dhabi, UAE	24 (2.6)	
Norway (8)	14 (1.7)	
Buenos Aires, Argentina	8 (1.3)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S11_14 (S052118): Claim that moon travels around Sun Constructed Response (1 Point)

Country	Percent Correct
Kazakhstan	47 (2.9)
Slovenia	42 (2.3)
Norway (9)	39 (1.9)
Sweden	38 (2.4)
United States	37 (1.6)
Russian Federation	36 (2.2)
New Zealand	35 (2.2)
England	34 (2.3)
Israel	31 (1.7)
Canada	30 (2.2)
Italy	30 (2.4)
Australia	28 (1.8)
Bahrain	28 (1.8)
Hong Kong SAR	25 (2.0)
Qatar	24 (1.7)
Lithuania	23 (2.5)
Korea, Rep. of	22 (1.7)
International Avg.	22 (0.3)
Malaysia	22 (1.5)
Turkey	22 (1.7)
Georgia	21 (2.5)
United Arab Emirates	21 (0.9)
Malta	21 (1.6)
Hungary	20 (1.9)
Kuwait	19 (2.5)
Ireland	18 (1.8)
Morocco	17 (1.0)
Chinese Taipei	16 (1.3)
Lebanon	15 (1.6)
Singapore	15 (1.3)
Oman	14 (1.3)
Egypt	13 (1.3)
Chile	12 (1.6)
Japan	11 (1.3)
Iran, Islamic Rep. of	10 (1.3)
Saudi Arabia	10 (1.6)
Jordan	7 (1.1)
Thailand	7 (1.2)
South Africa (9)	4 (0.5)
Botswana (9)	2 (0.4)
Benchmarking Participants	
Florida, US	40 (2.7)
Norway (8)	37 (2.4)
Quebec, Canada	31 (3.3)
Dubai, UAE	30 (1.8)
Ontario, Canada	28 (2.2)
Abu Dhabi, UAE	21 (1.9)
Buenos Aires, Argentina	10 (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_01 (S062279): Healthy and balanced meal
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	95 (0.9) ⬤	
Korea, Rep. of	91 (1.2) ⬤	
Sweden	86 (2.0) ⬤	
Hong Kong SAR	86 (1.6) ⬤	
England	85 (1.6) ⬤	
Singapore	82 (1.5) ⬤	
Canada	81 (1.5) ⬤	
Chinese Taipei	81 (1.5) ⬤	
Ireland	79 (1.8) ⬤	
United States	77 (1.4) ⬤	
New Zealand	75 (1.6) ⬤	
Australia	74 (1.7) ⬤	
Malta	72 (2.1) ⬤	
Malaysia	66 (2.0) ⬤	
Slovenia	66 (2.2) ⬤	
Israel	66 (1.7) ⬤	
Italy	65 (2.3) ⬤	
Hungary	65 (2.3) ⬤	
Norway (9)	64 (2.4) ⬤	
Lithuania	63 (2.0) ⬤	
Russian Federation	61 (2.4)	
International Avg.	57 (0.3)	
Thailand	56 (2.0)	
Botswana (9)	53 (1.8)	
United Arab Emirates	47 (1.2) ⬤	
Qatar	46 (1.8) ⬤	
Bahrain	44 (2.3) ⬤	
Oman	39 (1.6) ⬤	
Chile	37 (2.6) ⬤	
Kuwait	36 (2.0) ⬤	
Lebanon	31 (2.0) ⬤	
South Africa (9)	31 (2.0) ⬤	
Egypt	31 (1.5) ⬤	
Kazakhstan	30 (2.7) ⬤	
Saudi Arabia	29 (2.2) ⬤	
Turkey	27 (2.3) ⬤	
Jordan	25 (1.7) ⬤	
Georgia	22 (2.7) ⬤	
Morocco	19 (1.4) ⬤	
Iran, Islamic Rep. of	19 (1.5) ⬤	
Benchmarking Participants		
Ontario, Canada	84 (1.6) ⬤	
Quebec, Canada	75 (3.3) ⬤	
Florida, US	72 (2.2) ⬤	
Dubai, UAE	65 (1.8) ⬤	
Norway (8)	55 (2.4)	
Buenos Aires, Argentina	46 (2.9) ⬤	
Abu Dhabi, UAE	41 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_02 (S062112): Tony gets the measles
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
England	75 (1.7)	
Italy	73 (2.2)	
Norway (9)	72 (2.2)	
Kazakhstan	71 (2.2)	
Sweden	71 (2.6)	
Ireland	69 (1.6)	
Slovenia	68 (2.4)	
Japan	68 (1.9)	
Lithuania	67 (2.8)	
Hungary	62 (2.2)	
Russian Federation	61 (2.9)	
Canada	61 (1.6)	
Korea, Rep. of	59 (1.8)	
New Zealand	58 (2.0)	
Turkey	58 (2.0)	
Georgia	57 (3.0)	
Australia	57 (1.9)	
United States	53 (1.7)	
Hong Kong SAR	52 (2.5)	
International Avg.	49 (0.3)	
Chile	48 (2.0)	
Malta	48 (1.9)	
Singapore	47 (2.0)	
Iran, Islamic Rep. of	44 (2.1)	
Malaysia	42 (1.9)	
Jordan	42 (1.8)	
United Arab Emirates	40 (1.6)	
Bahrain	40 (2.0)	
Saudi Arabia	37 (2.3)	
Chinese Taipei	36 (1.8)	
Lebanon	35 (2.6)	
Oman	33 (1.9)	
Qatar	33 (2.0)	
Israel	32 (2.1)	
Thailand	29 (2.1)	
Kuwait	29 (2.2)	
South Africa (9)	24 (1.9)	
Botswana (9)	23 (1.5)	
Morocco	22 (1.2)	
Egypt	19 (1.8)	
Benchmarking Participants		
Norway (8)	73 (2.1)	
Quebec, Canada	67 (3.1)	
Ontario, Canada	59 (1.8)	
Dubai, UAE	48 (2.0)	
Florida, US	47 (3.1)	
Buenos Aires, Argentina	46 (2.9)	
Abu Dhabi, UAE	38 (3.4)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_03 (S062119): Fossils in rock layers
 Multiple Choice (Key is C)

Country	Percent Correct
Japan	88 (1.5)
Chinese Taipei	84 (1.3)
Hong Kong SAR	82 (1.5)
Korea, Rep. of	80 (1.6)
Singapore	76 (1.5)
United States	75 (1.4)
Russian Federation	71 (2.0)
Italy	70 (2.4)
Lithuania	69 (2.4)
England	69 (1.8)
Canada	68 (1.7)
Australia	67 (1.7)
Norway (9)	66 (2.2)
Slovenia	64 (2.3)
Sweden	63 (2.0)
Hungary	62 (2.2)
Israel	62 (1.7)
Ireland	62 (2.4)
New Zealand	60 (2.4)
Iran, Islamic Rep. of	59 (1.9)
Chile	58 (2.0)
International Avg.	58 (0.3)
Malta	57 (2.2)
United Arab Emirates	57 (1.5)
Malaysia	54 (2.0)
Oman	52 (1.7)
Jordan	52 (2.0)
Thailand	49 (2.4)
Turkey	49 (2.0)
Bahrain	49 (1.9)
Qatar	48 (1.9)
Georgia	46 (3.1)
Morocco	45 (1.8)
Kazakhstan	44 (3.2)
Lebanon	40 (2.7)
Egypt	37 (1.6)
Saudi Arabia	34 (2.1)
Botswana (9)	34 (1.7)
Kuwait	32 (2.1)
South Africa (9)	24 (1.7)
Benchmarking Participants	
Florida, US	73 (3.0)
Quebec, Canada	68 (3.0)
Ontario, Canada	68 (2.3)
Dubai, UAE	65 (2.2)
Norway (8)	61 (2.2)
Abu Dhabi, UAE	58 (2.9)
Buenos Aires, Argentina	46 (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

S12_04 (S062093): Mammals in cold weather
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	61 (1.5) ▲	90 (1.1) ▲
Canada	60 (1.7) ▲	88 (1.2) ▲
Australia	58 (1.7) ▲	84 (1.6) ▲
Russian Federation	57 (2.5) ▲	78 (1.9) ▲
Hungary	55 (2.0) ▲	84 (1.9) ▲
United States	52 (1.5) ▲	88 (1.0) ▲
Ireland	51 (2.3) ▲	82 (1.5) ▲
England	50 (2.2) ▲	87 (1.3) ▲
Japan	48 (1.9) ▲	86 (1.3) ▲
New Zealand	48 (1.9) ▲	80 (1.5) ▲
Malaysia	46 (1.7) ▲	70 (2.2) ▲
Lithuania	46 (2.5) ▲	78 (2.0) ▲
Sweden	46 (2.6) ▲	80 (2.0) ▲
Chinese Taipei	45 (1.8) ▲	80 (1.4) ▲
Slovenia	44 (2.2) ▲	71 (2.2) ▲
Malta	42 (2.0) ▲	68 (1.9) ▲
Hong Kong SAR	42 (2.3) ▲	80 (1.9) ▲
Norway (9)	37 (2.4)	74 (2.0) ▲
Israel	36 (1.9)	68 (1.9)
Bahrain	36 (2.1)	71 (1.7) ▲
Turkey	35 (1.9)	74 (1.6) ▲
International Avg.	34 (0.3)	65 (0.3)
United Arab Emirates	32 (1.4)	67 (1.2)
Georgia	31 (3.1)	60 (2.6)
Italy	29 (2.2) ▽	60 (2.2) ▽
Korea, Rep. of	28 (1.7) ▽	84 (1.6) ▲
Qatar	24 (1.5) ▽	58 (1.8) ▽
Kazakhstan	23 (1.9) ▽	69 (3.1)
Kuwait	21 (2.1) ▽	50 (2.5) ▽
Saudi Arabia	17 (2.0) ▽	49 (2.4) ▽
Oman	17 (1.2) ▽	56 (1.5) ▽
Thailand	17 (1.5) ▽	56 (2.1) ▽
Jordan	15 (1.2) ▽	54 (1.6) ▽
Chile	15 (1.2) ▽	45 (2.4) ▽
Botswana (9)	10 (1.2) ▽	37 (1.8) ▽
Morocco	10 (0.8) ▽	33 (1.6) ▽
Lebanon	9 (1.5) ▽	27 (2.4) ▽
South Africa (9)	8 (1.4) ▽	24 (1.9) ▽
Egypt	7 (0.9) ▽	29 (1.9) ▽
Iran, Islamic Rep. of	3 (0.6) ▽	28 (1.7) ▽
Benchmarking Participants		
Ontario, Canada	59 (2.1) ▲	88 (1.5) ▲
Quebec, Canada	57 (2.6) ▲	88 (2.1) ▲
Florida, US	46 (3.1) ▲	87 (1.9) ▲
Dubai, UAE	42 (1.7) ▲	78 (1.4) ▲
Norway (8)	37 (2.4)	75 (1.9) ▲
Abu Dhabi, UAE	28 (2.7)	61 (2.6)
Buenos Aires, Argentina	9 (1.5) ▽	34 (2.3) ▽

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

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_05 (S062089): Symbiosis between two organisms Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	78 (1.5) ⬤	
Singapore	62 (1.7) ⬤	
Korea, Rep. of	58 (1.8) ⬤	
Hong Kong SAR	54 (2.2) ⬤	
Israel	52 (2.2) ⬤	
Thailand	50 (2.4) ⬤	
Russian Federation	47 (2.7) ⬤	
Oman	44 (1.6) ⬤	
Malaysia	43 (1.6) ⬤	
United States	41 (1.4) ⬤	
Slovenia	41 (2.5) ⬤	
Japan	39 (2.1) ⬤	
Kazakhstan	38 (2.5)	
Jordan	37 (2.3)	
Bahrain	37 (1.9)	
Hungary	35 (2.1)	
Sweden	35 (2.4)	
International Avg.	34 (0.3)	
United Arab Emirates	32 (1.3)	
Australia	32 (1.7)	
New Zealand	31 (1.9)	
Qatar	30 (1.8) ⬤	
Canada	29 (1.5) ⬤	
Iran, Islamic Rep. of	29 (2.0) ⬤	
Egypt	29 (1.5) ⬤	
Botswana (9)	28 (2.0) ⬤	
Georgia	28 (2.4) ⬤	
Turkey	25 (1.5) ⬤	
Kuwait	25 (2.6) ⬤	
Lithuania	23 (2.6) ⬤	
Chile	22 (1.7) ⬤	
Norway (9)	21 (1.9) ⬤	
Italy	21 (1.9) ⬤	
England	19 (1.7) ⬤	
Malta	18 (1.7) ⬤	
Ireland	18 (1.6) ⬤	
Morocco	17 (1.2) ⬤	
South Africa (9)	16 (1.3) ⬤	
Saudi Arabia	16 (2.0) ⬤	
Lebanon	10 (1.4) ⬤	
Benchmarking Participants		
Florida, US	40 (2.8) ⬤	
Dubai, UAE	40 (2.4) ⬤	
Ontario, Canada	30 (1.7) ⬤	
Abu Dhabi, UAE	30 (2.5)	
Quebec, Canada	28 (2.9) ⬤	
Buenos Aires, Argentina	26 (2.5) ⬤	
Norway (8)	18 (1.6) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_06 (S062006): Atoms in nitric acid
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	73 (2.0)	
Russian Federation	67 (2.7)	
Slovenia	65 (2.2)	
Kazakhstan	62 (3.2)	
Korea, Rep. of	60 (2.0)	
Japan	59 (2.2)	
Israel	55 (2.2)	
Sweden	55 (2.4)	
Lebanon	52 (3.3)	
England	51 (2.3)	
United States	50 (1.8)	
United Arab Emirates	48 (1.5)	
Chinese Taipei	47 (2.0)	
Hungary	46 (2.4)	
Oman	44 (1.5)	
Norway (9)	44 (2.3)	
Lithuania	43 (2.3)	
Qatar	42 (1.9)	
International Avg.	40 (0.3)	
Turkey	39 (2.1)	
Australia	39 (2.1)	
Morocco	38 (1.9)	
Italy	37 (1.9)	
Kuwait	36 (2.2)	
Malta	36 (1.7)	
Canada	36 (1.6)	
Ireland	35 (2.1)	
Bahrain	34 (2.1)	
Georgia	33 (2.5)	
New Zealand	32 (2.2)	
Jordan	32 (2.1)	
Chile	30 (2.0)	
Egypt	25 (1.9)	
Thailand	24 (2.2)	
Hong Kong SAR	22 (2.0)	
Malaysia	20 (1.4)	
South Africa (9)	19 (1.8)	
Iran, Islamic Rep. of	17 (1.8)	
Saudi Arabia	12 (1.3)	
Botswana (9)	7 (1.0)	
Benchmarking Participants		
Quebec, Canada	69 (3.0)	
Dubai, UAE	59 (2.2)	
Abu Dhabi, UAE	40 (3.1)	
Norway (8)	38 (2.3)	
Florida, US	33 (3.9)	
Ontario, Canada	21 (2.1)	
Buenos Aires, Argentina	17 (1.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S12_07 (S062067): Rate of sugar dissolving
 Constructed Response (1 Point)**

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	77 (1.4) ⬤	
Hong Kong SAR	72 (2.1) ⬤	
Singapore	72 (1.6) ⬤	
Japan	70 (1.9) ⬤	
Chinese Taipei	65 (1.9) ⬤	
Russian Federation	65 (2.3) ⬤	
Hungary	53 (2.2) ⬤	
Lithuania	52 (2.4) ⬤	
Turkey	50 (2.1) ⬤	
England	49 (2.5) ⬤	
Ireland	49 (1.8) ⬤	
Israel	48 (1.8) ⬤	
Sweden	48 (2.7) ⬤	
Slovenia	48 (1.8) ⬤	
New Zealand	45 (1.6) ⬤	
Norway (9)	45 (2.5) ⬤	
Malaysia	45 (2.0) ⬤	
Australia	44 (1.8) ⬤	
Canada	43 (2.0)	
Italy	41 (2.2)	
International Avg.	40 (0.3)	
Bahrain	40 (1.9)	
Malta	37 (2.0)	
United States	35 (1.3) ⬤	
United Arab Emirates	34 (1.2) ⬤	
Georgia	33 (2.5) ⬤	
Qatar	31 (1.8) ⬤	
Kazakhstan	30 (2.7) ⬤	
Oman	29 (1.6) ⬤	
Thailand	28 (1.6) ⬤	
Iran, Islamic Rep. of	28 (1.7) ⬤	
Chile	24 (1.9) ⬤	
Lebanon	24 (1.7) ⬤	
Botswana (9)	23 (2.0) ⬤	
Jordan	22 (1.8) ⬤	
Saudi Arabia	19 (2.2) ⬤	
Morocco	19 (1.2) ⬤	
Kuwait	15 (2.0) ⬤	
South Africa (9)	12 (1.3) ⬤	
Egypt	12 (1.5) ⬤	
Benchmarking Participants		
Dubai, UAE	46 (2.3) ⬤	
Ontario, Canada	44 (2.6)	
Quebec, Canada	41 (3.2)	
Norway (8)	38 (2.4)	
Florida, US	36 (3.1)	
Abu Dhabi, UAE	29 (2.5) ⬤	
Buenos Aires, Argentina	13 (1.6) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_08 (S062247): Properties of baking soda
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	80 (1.6)	
Hong Kong SAR	71 (2.3)	
Singapore	67 (1.5)	
Sweden	61 (2.7)	
Norway (9)	58 (2.7)	
Turkey	57 (2.1)	
Ireland	50 (2.4)	
Oman	49 (2.0)	
Canada	48 (1.9)	
Hungary	47 (2.5)	
United States	46 (1.5)	
England	43 (1.9)	
Lebanon	42 (2.9)	
Malaysia	42 (1.8)	
Iran, Islamic Rep. of	40 (2.1)	
Kazakhstan	40 (3.3)	
Malta	39 (2.1)	
International Avg.	38 (0.3)	
Italy	38 (2.6)	
South Africa (9)	38 (1.9)	
Israel	37 (2.0)	
Bahrain	37 (1.7)	
Thailand	37 (2.2)	
Australia	36 (2.0)	
United Arab Emirates	35 (1.4)	
Botswana (9)	35 (2.1)	
Korea, Rep. of	34 (2.1)	
New Zealand	34 (2.0)	
Slovenia	30 (2.4)	
Saudi Arabia	29 (2.3)	
Qatar	29 (1.9)	
Russian Federation	24 (2.0)	
Chile	24 (1.8)	
Kuwait	21 (1.7)	
Lithuania	19 (2.2)	
Japan	19 (1.7)	
Egypt	17 (1.6)	
Georgia	16 (1.9)	
Jordan	14 (1.4)	
Morocco	10 (0.9)	
Benchmarking Participants		
Florida, US	56 (3.5)	
Norway (8)	52 (2.1)	
Quebec, Canada	50 (2.6)	
Ontario, Canada	47 (2.8)	
Dubai, UAE	45 (2.3)	
Abu Dhabi, UAE	36 (2.5)	
Buenos Aires, Argentina	19 (1.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_09 (S062177): Formation of oil
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	67 (2.0)	
Chinese Taipei	65 (1.8)	
Norway (9)	64 (2.5)	
Iran, Islamic Rep. of	63 (2.0)	
Jordan	58 (1.8)	
Kuwait	52 (3.0)	
Italy	51 (2.4)	
United Arab Emirates	50 (1.2)	
Sweden	49 (2.7)	
Kazakhstan	49 (2.9)	
Bahrain	47 (2.0)	
Korea, Rep. of	47 (2.3)	
Oman	46 (1.5)	
Malaysia	46 (1.8)	
England	46 (2.2)	
Slovenia	45 (2.8)	
Qatar	45 (2.8)	
Ireland	44 (2.1)	
Canada	43 (1.6)	
Israel	43 (1.8)	
International Avg.	43 (0.3)	
Malta	41 (2.2)	
Hungary	40 (2.6)	
Saudi Arabia	40 (2.4)	
Botswana (9)	39 (1.9)	
Russian Federation	39 (2.4)	
Turkey	38 (1.9)	
Egypt	38 (1.8)	
Lithuania	38 (2.9)	
Singapore	38 (1.8)	
United States	38 (1.6)	
New Zealand	38 (1.8)	
Australia	35 (1.7)	
Chile	33 (2.0)	
Thailand	32 (2.2)	
Japan	31 (1.8)	
Lebanon	23 (2.3)	
Morocco	23 (1.3)	
South Africa (9)	22 (1.2)	
Georgia	13 (2.1)	
Benchmarking Participants		
Norway (8)	54 (2.2)	
Quebec, Canada	52 (3.5)	
Dubai, UAE	48 (1.6)	
Abu Dhabi, UAE	47 (2.0)	
Ontario, Canada	39 (2.3)	
Buenos Aires, Argentina	37 (2.3)	
Florida, US	31 (2.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_10 (S062186): Greenhouse on Mars
Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Japan	66 (1.9) ⬤	
Chinese Taipei	65 (1.9) ⬤	
Korea, Rep. of	62 (2.1) ⬤	
Kazakhstan	60 (2.8) ⬤	
Hong Kong SAR	54 (2.5) ⬤	
Slovenia	54 (2.6) ⬤	
Singapore	51 (1.7) ⬤	
Hungary	50 (2.3) ⬤	
Ireland	46 (2.4) ⬤	
Russian Federation	45 (2.3) ⬤	
Malaysia	44 (1.7) ⬤	
Qatar	42 (1.8) ⬤	
Israel	40 (2.1) ⬤	
Georgia	40 (2.9) ⬤	
Egypt	39 (1.9) ⬤	
United Arab Emirates	39 (1.3) ⬤	
Jordan	39 (2.3) ⬤	
International Avg.	37 (0.3)	
Iran, Islamic Rep. of	37 (2.2) ⬤	
Bahrain	36 (2.4) ⬤	
Kuwait	33 (2.1) ⬤	
Italy	32 (2.2) ⬤	
Saudi Arabia	32 (2.5) ⬤	
Lithuania	31 (2.5) ⬤	
Malta	31 (1.8) ⬤	
Lebanon	31 (2.1) ⬤	
England	31 (2.4) ⬤	
Sweden	30 (2.2) ⬤	
Norway (9)	29 (2.1) ⬤	
Oman	28 (1.6) ⬤	
United States	27 (1.6) ⬤	
Thailand	26 (2.1) ⬤	
South Africa (9)	26 (1.6) ⬤	
New Zealand	25 (1.5) ⬤	
Chile	25 (1.8) ⬤	
Australia	24 (1.3) ⬤	
Morocco	24 (1.1) ⬤	
Botswana (9)	24 (1.7) ⬤	
Canada	22 (1.5) ⬤	
Turkey	22 (1.7) ⬤	
Benchmarking Participants		
Dubai, UAE	45 (1.8) ⬤	
Norway (8)	34 (2.3) ⬤	
Quebec, Canada	33 (2.7) ⬤	
Abu Dhabi, UAE	30 (2.8) ⬤	
Florida, US	22 (3.1) ⬤	
Buenos Aires, Argentina	21 (2.0) ⬤	
Ontario, Canada	16 (1.5) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_11A (S062211A): Warmest and driest time of year Constructed Response (1 Point)

Country	Percent Correct	
Singapore	71 (2.0)	
Japan	66 (1.8)	
Slovenia	63 (2.1)	
Ireland	63 (2.0)	
England	62 (2.4)	
Chinese Taipei	61 (1.9)	
Australia	59 (1.6)	
Lithuania	57 (2.4)	
New Zealand	57 (1.8)	
Sweden	57 (2.4)	
Canada	56 (1.5)	
Norway (9)	56 (2.1)	
Hong Kong SAR	54 (2.3)	
Korea, Rep. of	52 (1.8)	
Israel	52 (2.0)	
United States	51 (1.6)	
Hungary	51 (2.8)	
Malta	47 (2.2)	
Chile	46 (2.1)	
Malaysia	44 (2.2)	
International Avg.	41 (0.3)	
Italy	39 (2.4)	
Russian Federation	39 (2.7)	
Bahrain	37 (2.0)	
United Arab Emirates	35 (1.2)	
Qatar	34 (2.2)	
Thailand	32 (2.2)	
Turkey	29 (1.9)	
Iran, Islamic Rep. of	29 (1.9)	
Lebanon	27 (2.2)	
Botswana (9)	27 (1.6)	
Morocco	27 (1.3)	
Oman	22 (1.4)	
Kuwait	18 (1.7)	
South Africa (9)	18 (1.8)	
Kazakhstan	18 (2.1)	
Saudi Arabia	17 (2.1)	
Georgia	17 (1.7)	
Jordan	15 (1.7)	
Egypt	10 (1.3)	
Benchmarking Participants		
Ontario, Canada	57 (1.9)	
Quebec, Canada	56 (2.5)	
Norway (8)	55 (2.5)	
Dubai, UAE	48 (2.7)	
Florida, US	43 (3.6)	
Abu Dhabi, UAE	33 (2.5)	
Buenos Aires, Argentina	28 (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_11B (S062211B): Climate data are wrong Constructed Response (1 Point)

Country	Percent Correct	
Malaysia	29 (1.9)	
England	22 (1.7)	
Norway (9)	21 (1.9)	
Slovenia	19 (1.8)	
Singapore	19 (1.4)	
Kazakhstan	15 (1.6)	
Japan	14 (1.5)	
Lithuania	14 (1.6)	
Sweden	13 (1.7)	
Russian Federation	13 (1.6)	
Korea, Rep. of	12 (1.5)	
Canada	11 (1.0)	
Bahrain	11 (1.4)	
Hong Kong SAR	11 (1.7)	
Ireland	10 (1.3)	
International Avg.	9 (0.2)	
Israel	8 (1.1)	
New Zealand	8 (1.0)	
Morocco	8 (0.8)	
Chinese Taipei	8 (0.9)	
Australia	8 (0.9)	
Kuwait	7 (1.2)	
Qatar	7 (1.3)	
Saudi Arabia	7 (1.4)	
United States	6 (0.8)	
United Arab Emirates	5 (0.6)	
Hungary	5 (0.8)	
Malta	5 (0.9)	
Italy	4 (1.0)	
Chile	4 (0.7)	
Oman	4 (0.6)	
Botswana (9)	3 (0.7)	
Egypt	3 (0.6)	
South Africa (9)	3 (0.6)	
Iran, Islamic Rep. of	3 (0.5)	
Turkey	2 (0.6)	
Jordan	2 (0.4)	
Lebanon	2 (0.6)	
Georgia	1 (0.5)	
Thailand	0 (0.0)	
Benchmarking Participants		
Norway (8)	12 (1.5)	
Ontario, Canada	12 (1.4)	
Quebec, Canada	9 (1.3)	
Dubai, UAE	7 (1.3)	
Florida, US	7 (1.4)	
Abu Dhabi, UAE	5 (0.9)	
Buenos Aires, Argentina	4 (0.6)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_13 (S062033): Pressure applied to pistons
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	76 (1.5) ⬤	
Korea, Rep. of	61 (1.8) ⬤	
Slovenia	54 (2.3) ⬤	
Sweden	49 (2.3) ⬤	
Israel	49 (2.0) ⬤	
Kazakhstan	49 (2.8) ⬤	
Hungary	48 (2.3) ⬤	
Chinese Taipei	47 (2.4) ⬤	
England	45 (2.4) ⬤	
Lithuania	45 (2.4) ⬤	
Russian Federation	42 (2.8) ⬤	
Turkey	40 (2.0) ⬤	
Ireland	39 (2.3) ⬤	
New Zealand	38 (2.1) ⬤	
Malta	37 (2.1) ⬤	
Canada	36 (1.8) ⬤	
Norway (9)	33 (2.2)	
United States	32 (1.6)	
International Avg.	32 (0.3)	
Australia	30 (1.5)	
Bahrain	30 (2.0)	
Japan	29 (1.7)	
Hong Kong SAR	28 (2.8)	
Iran, Islamic Rep. of	28 (1.9) ⬤	
Morocco	26 (1.4) ⬤	
Qatar	25 (1.8) ⬤	
Italy	25 (2.0) ⬤	
United Arab Emirates	24 (1.0) ⬤	
Oman	23 (1.4) ⬤	
Saudi Arabia	22 (2.5) ⬤	
Lebanon	21 (1.7) ⬤	
Malaysia	20 (1.2) ⬤	
Kuwait	17 (1.8) ⬤	
Chile	15 (1.6) ⬤	
Jordan	15 (1.8) ⬤	
Georgia	12 (1.5) ⬤	
Botswana (9)	11 (1.0) ⬤	
Egypt	11 (1.1) ⬤	
South Africa (9)	8 (1.3) ⬤	
Thailand	4 (0.8) ⬤	
Benchmarking Participants		
Ontario, Canada	40 (2.4) ⬤	
Florida, US	35 (4.2)	
Dubai, UAE	33 (2.0)	
Norway (8)	29 (2.4)	
Quebec, Canada	27 (2.6)	
Abu Dhabi, UAE	20 (1.7) ⬤	
Buenos Aires, Argentina	6 (1.1) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_14 (S062037): Toy car powered by battery
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	95 (1.0)	
Singapore	88 (1.2)	
Israel	71 (1.6)	
Korea, Rep. of	70 (2.1)	
New Zealand	69 (2.0)	
Australia	68 (1.9)	
England	67 (2.7)	
Iran, Islamic Rep. of	67 (1.9)	
Ireland	64 (2.2)	
United States	63 (1.4)	
Turkey	61 (2.2)	
Japan	60 (2.1)	
Slovenia	60 (2.6)	
Malta	58 (2.0)	
Lithuania	58 (2.4)	
Sweden	57 (2.5)	
Malaysia	55 (1.9)	
International Avg.	55 (0.3)	
Qatar	54 (2.5)	
Lebanon	52 (3.3)	
Bahrain	52 (2.2)	
Chinese Taipei	52 (1.6)	
Canada	51 (1.7)	
Norway (9)	51 (2.4)	
Italy	50 (2.3)	
United Arab Emirates	49 (1.3)	
Kuwait	47 (2.0)	
Hungary	47 (2.5)	
Botswana (9)	46 (1.8)	
Oman	45 (1.8)	
Egypt	45 (2.1)	
Russian Federation	43 (2.3)	
Kazakhstan	43 (2.7)	
Chile	43 (2.0)	
Georgia	42 (3.0)	
Jordan	42 (1.8)	
Saudi Arabia	40 (2.1)	
South Africa (9)	40 (2.0)	
Morocco	38 (1.5)	
Thailand	34 (2.1)	
Benchmarking Participants		
Florida, US	66 (3.4)	
Ontario, Canada	55 (2.2)	
Dubai, UAE	53 (2.2)	
Abu Dhabi, UAE	49 (2.2)	
Quebec, Canada	46 (3.0)	
Norway (8)	44 (2.2)	
Buenos Aires, Argentina	37 (2.7)	

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_15 (S062242): Waste removed by electromagnet (DERIVED) Constructed Response (1 Point)

Country	Percent Correct	
Chinese Taipei	95 (0.9)	
Singapore	94 (0.8)	
United States	88 (1.1)	
Russian Federation	87 (1.4)	
Korea, Rep. of	87 (1.3)	
Hong Kong SAR	87 (1.3)	
Ireland	86 (1.4)	
Thailand	86 (1.4)	
Norway (9)	86 (1.4)	
Canada	85 (1.3)	
Australia	85 (1.5)	
Lithuania	84 (1.9)	
Slovenia	84 (1.6)	
New Zealand	84 (1.3)	
Turkey	83 (1.2)	
Hungary	83 (1.6)	
Iran, Islamic Rep. of	83 (1.4)	
England	82 (2.0)	
Chile	81 (1.9)	
Sweden	81 (1.7)	
Italy	81 (2.0)	
Malaysia	80 (1.8)	
Malta	79 (1.8)	
Qatar	78 (1.8)	
Israel	77 (1.5)	
International Avg.	77 (0.3)	
United Arab Emirates	76 (1.3)	
Bahrain	76 (1.4)	
Kazakhstan	75 (2.2)	
Jordan	74 (1.7)	
Oman	71 (1.3)	
Japan	69 (1.8)	
Kuwait	67 (2.3)	
Morocco	60 (1.7)	
Georgia	57 (2.6)	
Egypt	53 (2.2)	
Saudi Arabia	53 (2.6)	
South Africa (9)	52 (2.1)	
Lebanon	50 (2.9)	
Botswana (9)	49 (2.1)	
Benchmarking Participants		
Quebec, Canada	89 (2.0)	
Dubai, UAE	84 (1.4)	
Norway (8)	83 (1.7)	
Ontario, Canada	83 (1.7)	
Florida, US	82 (2.6)	
Abu Dhabi, UAE	70 (2.4)	
Buenos Aires, Argentina	59 (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_15A (S062242A): Waste removed by electromagnet: cans
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	97 (0.7) ▲	
Singapore	95 (0.7) ▲	
United States	92 (0.9) ▲	
Norway (9)	91 (1.1) ▲	
Korea, Rep. of	91 (1.0) ▲	
Ireland	91 (1.1) ▲	
Russian Federation	90 (1.1) ▲	
Australia	90 (1.2) ▲	
Thailand	90 (1.2) ▲	
Hong Kong SAR	90 (1.3) ▲	
Canada	90 (1.0) ▲	
Hungary	88 (1.5) ▲	
Lithuania	88 (1.5) ▲	
New Zealand	88 (1.2) ▲	
Iran, Islamic Rep. of	87 (1.2) ▲	
Turkey	87 (1.1) ▲	
Slovenia	87 (1.3) ▲	
Chile	87 (1.5) ▲	
Sweden	87 (1.4) ▲	
Italy	87 (1.8) ▲	
England	86 (1.9) ▲	
Malaysia	85 (1.6)	
Malta	85 (1.5)	
Oman	83 (1.1)	
Israel	83 (1.3)	
United Arab Emirates	82 (1.2)	
International Avg.	82 (0.3)	
Qatar	82 (1.5)	
Jordan	80 (1.6)	
Bahrain	80 (1.2)	
Kazakhstan	80 (2.3)	
Kuwait	79 (1.6) ▽	
Japan	71 (1.7) ▽	
Morocco	69 (1.7) ▽	
South Africa (9)	64 (1.9) ▽	
Saudi Arabia	63 (2.5) ▽	
Egypt	62 (2.2) ▽	
Georgia	62 (2.7) ▽	
Lebanon	61 (2.9) ▽	
Botswana (9)	59 (2.1) ▽	
Benchmarking Participants		
Quebec, Canada	91 (1.8) ▲	
Norway (8)	90 (1.4) ▲	
Ontario, Canada	88 (1.4) ▲	
Dubai, UAE	88 (1.2) ▲	
Florida, US	88 (2.2) ▲	
Abu Dhabi, UAE	78 (2.3)	
Buenos Aires, Argentina	67 (2.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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_15B (S062242B): Waste removed by electromagnet: cups
Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	98 (0.5) ▲	
Slovenia	97 (0.7) ▲	
Chinese Taipei	97 (0.7) ▲	
Hong Kong SAR	95 (0.9) ▲	
Japan	95 (0.9) ▲	
England	94 (1.1) ▲	
Canada	94 (0.8) ▲	
Lithuania	94 (1.3) ▲	
Russian Federation	93 (1.1) ▲	
Norway (9)	93 (1.0) ▲	
Ireland	93 (1.1) ▲	
Hungary	93 (1.2) ▲	
United States	93 (0.9) ▲	
Sweden	93 (1.2) ▲	
Italy	92 (1.6) ▲	
Australia	91 (1.2) ▲	
Iran, Islamic Rep. of	91 (1.0) ▲	
Kazakhstan	90 (1.7) ▲	
Turkey	90 (1.1) ▲	
New Zealand	90 (1.1) ▲	
Korea, Rep. of	90 (1.3) ▲	
Thailand	89 (1.1) ▲	
Israel	88 (1.3)	
Malaysia	87 (1.4)	
International Avg.	87 (0.2)	
Chile	86 (1.6)	
United Arab Emirates	86 (1.1)	
Malta	86 (1.6)	
Kuwait	84 (1.9)	
Bahrain	83 (1.3) ▽	
Jordan	82 (1.4) ▽	
Qatar	82 (1.7) ▽	
Oman	82 (1.2) ▽	
Georgia	80 (2.0) ▽	
Saudi Arabia	77 (2.0) ▽	
Morocco	72 (1.6) ▽	
Egypt	65 (2.1) ▽	
Lebanon	64 (2.7) ▽	
South Africa (9)	63 (1.9) ▽	
Botswana (9)	62 (2.0) ▽	
Benchmarking Participants		
Quebec, Canada	95 (1.5) ▲	
Ontario, Canada	94 (1.0) ▲	
Dubai, UAE	93 (0.9) ▲	
Norway (8)	92 (1.4) ▲	
Florida, US	90 (1.8)	
Abu Dhabi, UAE	80 (2.3) ▽	
Buenos Aires, Argentina	67 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S12_15D (S062242D): Waste removed by electromagnet: paper
Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	97 (0.8) ⬤	
Slovenia	96 (0.8) ⬤	
Singapore	96 (0.6) ⬤	
Hong Kong SAR	96 (1.0) ⬤	
Japan	96 (0.8) ⬤	
Lithuania	94 (1.2) ⬤	
England	93 (1.2) ⬤	
Hungary	93 (1.2) ⬤	
Russian Federation	93 (1.2) ⬤	
United States	93 (0.9) ⬤	
Canada	93 (0.8) ⬤	
Australia	93 (1.2) ⬤	
Korea, Rep. of	93 (1.0) ⬤	
Norway (9)	92 (1.2) ⬤	
Ireland	92 (1.1) ⬤	
Sweden	92 (1.3) ⬤	
Iran, Islamic Rep. of	91 (1.1) ⬤	
Italy	91 (1.4) ⬤	
Kazakhstan	90 (1.7) ⬤	
Turkey	90 (1.0) ⬤	
New Zealand	90 (1.3) ⬤	
Thailand	89 (1.2)	
Israel	87 (1.3)	
Malaysia	87 (1.5)	
Chile	87 (1.7)	
United Arab Emirates	86 (1.0)	
International Avg.	86 (0.2)	
Malta	84 (1.6)	
Bahrain	84 (1.5)	
Qatar	83 (1.5) ⬤	
Kuwait	81 (2.1) ⬤	
Jordan	81 (1.5) ⬤	
Oman	80 (1.3) ⬤	
Georgia	79 (2.7) ⬤	
Morocco	75 (1.4) ⬤	
Saudi Arabia	74 (2.3) ⬤	
Lebanon	64 (2.5) ⬤	
South Africa (9)	64 (1.8) ⬤	
Egypt	64 (2.0) ⬤	
Botswana (9)	61 (2.0) ⬤	
Benchmarking Participants		
Quebec, Canada	95 (1.5) ⬤	
Norway (8)	93 (1.1) ⬤	
Ontario, Canada	92 (1.1) ⬤	
Dubai, UAE	92 (1.3) ⬤	
Florida, US	88 (1.9)	
Abu Dhabi, UAE	81 (2.0) ⬤	
Buenos Aires, Argentina	66 (2.2) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_15E (S062242E): Waste removed by electromagnet: nails
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	97 (0.7) ▲	
Singapore	97 (0.6) ▲	
Chinese Taipei	97 (0.7) ▲	
Japan	96 (0.7) ▲	
Hong Kong SAR	96 (0.9) ▲	
Lithuania	94 (1.2) ▲	
United States	94 (0.8) ▲	
Russian Federation	93 (1.1) ▲	
Hungary	93 (1.2) ▲	
Iran, Islamic Rep. of	93 (0.8) ▲	
Norway (9)	92 (1.2) ▲	
Canada	92 (1.0) ▲	
Ireland	92 (1.1) ▲	
England	92 (1.1) ▲	
Korea, Rep. of	91 (1.2) ▲	
Turkey	91 (1.0) ▲	
Kazakhstan	91 (1.7) ▲	
Sweden	90 (1.4) ▲	
Australia	90 (1.3) ▲	
New Zealand	90 (1.1) ▲	
Thailand	90 (1.2) ▲	
Italy	89 (1.5)	
Malaysia	88 (1.4)	
Israel	87 (1.3)	
United Arab Emirates	87 (0.9)	
International Avg.	87 (0.2)	
Bahrain	86 (1.5)	
Chile	86 (1.7)	
Malta	86 (1.6)	
Kuwait	84 (1.9)	
Oman	83 (1.1) ▽	
Jordan	83 (1.4) ▽	
Qatar	82 (1.6) ▽	
Georgia	80 (2.1) ▽	
Saudi Arabia	78 (2.1) ▽	
Morocco	74 (1.4) ▽	
Egypt	67 (2.2) ▽	
South Africa (9)	64 (2.1) ▽	
Botswana (9)	64 (1.7) ▽	
Lebanon	62 (2.6) ▽	
Benchmarking Participants		
Quebec, Canada	95 (1.5) ▲	
Dubai, UAE	93 (1.1) ▲	
Ontario, Canada	92 (1.4) ▲	
Norway (8)	89 (1.6)	
Florida, US	88 (2.2)	
Abu Dhabi, UAE	81 (2.1) ▽	
Buenos Aires, Argentina	65 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

**S13_01 (S052006): Penguin behavior and survival
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	64 (2.2) ▲	92 (1.3) ▲
Singapore	63 (1.6) ▲	94 (0.9) ▲
England	57 (2.0) ▲	92 (1.3) ▲
Sweden	49 (3.0) ▲	89 (1.5) ▲
New Zealand	48 (1.5) ▲	86 (1.1) ▲
Hungary	48 (2.3) ▲	83 (1.9) ▲
Australia	47 (1.7) ▲	88 (1.4) ▲
Canada	46 (1.6) ▲	92 (1.0) ▲
Hong Kong SAR	45 (2.4) ▲	86 (1.2) ▲
Norway (9)	42 (2.1) ▲	92 (1.0) ▲
United States	41 (1.3) ▲	85 (1.1) ▲
Ireland	40 (2.2) ▲	92 (1.0) ▲
Lithuania	40 (2.5) ▲	88 (1.4) ▲
Slovenia	40 (2.1) ▲	90 (1.7) ▲
Italy	34 (2.1)	84 (1.4) ▲
Malta	34 (2.4)	74 (1.8)
Chinese Taipei	34 (1.7)	85 (1.2) ▲
United Arab Emirates	33 (1.3)	69 (1.1) ▽
Kazakhstan	33 (2.0)	84 (1.8) ▲
International Avg.	32 (0.3)	72 (0.3)
Turkey	32 (2.0)	76 (1.8) ▲
Israel	31 (1.8)	74 (1.9)
Malaysia	31 (1.7)	74 (1.9)
Japan	31 (1.5)	76 (1.7) ▲
Georgia	30 (2.8)	77 (2.2) ▲
Bahrain	28 (1.8) ▽	58 (2.4) ▽
Thailand	27 (1.7) ▽	68 (2.0)
Qatar	27 (1.7) ▽	63 (1.9) ▽
Iran, Islamic Rep. of	26 (1.8) ▽	75 (1.6) ▲
Russian Federation	23 (2.0) ▽	66 (1.9) ▽
Oman	20 (1.4) ▽	61 (2.0) ▽
Chile	19 (1.7) ▽	68 (2.0)
Morocco	14 (1.1) ▽	41 (1.5) ▽
Botswana (9)	14 (1.1) ▽	51 (1.9) ▽
Kuwait	14 (2.0) ▽	42 (2.2) ▽
Saudi Arabia	12 (1.6) ▽	41 (2.4) ▽
South Africa (9)	11 (1.0) ▽	41 (1.7) ▽
Jordan	10 (0.8) ▽	49 (2.0) ▽
Lebanon	9 (1.6) ▽	32 (2.6) ▽
Egypt	7 (0.8) ▽	34 (1.9) ▽
Benchmarking Participants		
Ontario, Canada	52 (2.1) ▲	92 (1.4) ▲
Dubai, UAE	46 (2.6) ▲	80 (1.4) ▲
Norway (8)	39 (2.0) ▲	90 (1.4) ▲
Florida, US	37 (2.7)	81 (2.2) ▲
Quebec, Canada	35 (3.0)	91 (1.7) ▲
Abu Dhabi, UAE	29 (2.4)	67 (2.7)
Buenos Aires, Argentina	23 (2.4) ▽	60 (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 (S052069): Organism with cell walls
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	87 (1.3) ▲	
Australia	75 (1.3) ▲	
United States	75 (1.2) ▲	
Chinese Taipei	73 (1.6) ▲	
Japan	73 (2.0) ▲	
Ireland	72 (2.1) ▲	
Qatar	72 (1.9) ▲	
Malaysia	71 (1.9) ▲	
New Zealand	71 (1.7) ▲	
England	71 (2.0) ▲	
Slovenia	70 (2.4) ▲	
Canada	69 (1.9) ▲	
United Arab Emirates	65 (1.0) ▲	
Bahrain	64 (1.9) ▲	
Korea, Rep. of	63 (2.1) ▲	
Botswana (9)	63 (2.0) ▲	
Malta	62 (1.9) ▲	
Hong Kong SAR	62 (2.5) ▲	
South Africa (9)	61 (1.6) ▲	
Turkey	60 (2.3) ▲	
Sweden	55 (2.6)	
International Avg.	55 (0.3)	
Saudi Arabia	53 (2.7)	
Israel	52 (2.5)	
Lithuania	52 (2.2)	
Russian Federation	48 (3.0) ▽	
Egypt	45 (2.0) ▽	
Chile	44 (2.4) ▽	
Jordan	44 (1.9) ▽	
Kuwait	42 (2.6) ▽	
Norway (9)	41 (2.3) ▽	
Oman	41 (1.7) ▽	
Iran, Islamic Rep. of	40 (2.0) ▽	
Georgia	40 (2.9) ▽	
Thailand	37 (2.5) ▽	
Kazakhstan	33 (2.5) ▽	
Morocco	30 (1.2) ▽	
Lebanon	26 (2.5) ▽	
Italy	25 (1.8) ▽	
Hungary	14 (1.6) ▽	
Benchmarking Participants		
Dubai, UAE	75 (1.1) ▲	
Florida, US	74 (3.5) ▲	
Ontario, Canada	70 (2.7) ▲	
Quebec, Canada	64 (2.6) ▲	
Abu Dhabi, UAE	62 (2.3) ▲	
Norway (8)	43 (2.7) ▽	
Buenos Aires, Argentina	25 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_03 (S052012): How decomposers get energy
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	83 (1.8) ▲	
Chinese Taipei	75 (1.8) ▲	
Slovenia	72 (2.1) ▲	
Chile	71 (2.2) ▲	
United States	70 (1.5) ▲	
Turkey	69 (2.2) ▲	
Canada	64 (1.8) ▲	
Botswana (9)	63 (1.9) ▲	
Hungary	63 (2.6) ▲	
Sweden	62 (2.5) ▲	
Norway (9)	61 (2.4) ▲	
Korea, Rep. of	60 (1.7) ▲	
Lithuania	58 (2.6) ▲	
Italy	54 (2.2) ▲	
United Arab Emirates	52 (1.1) ▲	
International Avg.	50 (0.3)	
New Zealand	50 (2.2) ▲	
Oman	50 (2.1) ▲	
Jordan	50 (1.9) ▲	
Ireland	49 (2.2) ▲	
Iran, Islamic Rep. of	49 (1.8) ▲	
Qatar	48 (1.6) ▲	
Bahrain	48 (2.2) ▲	
Australia	47 (2.1) ▲	
Russian Federation	47 (2.5) ▲	
Hong Kong SAR	46 (2.3) ▲	
Kazakhstan	45 (2.8) ▲	
Malaysia	44 (2.1) ▽	
Malta	44 (1.9) ▽	
England	42 (2.2) ▽	
Kuwait	40 (2.4) ▽	
Israel	39 (2.1) ▽	
Lebanon	37 (2.5) ▽	
Thailand	36 (2.1) ▽	
Japan	36 (2.0) ▽	
South Africa (9)	32 (1.7) ▽	
Egypt	31 (1.5) ▽	
Saudi Arabia	27 (2.3) ▽	
Morocco	26 (1.3) ▽	
Georgia	20 (2.8) ▽	
Benchmarking Participants		
Florida, US	70 (2.9) ▲	
Dubai, UAE	66 (2.1) ▲	
Ontario, Canada	65 (2.1) ▲	
Quebec, Canada	63 (3.5) ▲	
Buenos Aires, Argentina	60 (2.5) ▲	
Norway (8)	58 (2.1) ▲	
Abu Dhabi, UAE	48 (2.4) ▲	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_04 (S052021): Organism that competes with humans Constructed Response (1 Point)

Country	Percent Correct	
Russian Federation	66 (2.6)	
Hong Kong SAR	63 (2.3)	
Kazakhstan	63 (2.5)	
Singapore	62 (2.1)	
Korea, Rep. of	61 (2.1)	
Iran, Islamic Rep. of	51 (2.1)	
Thailand	49 (2.6)	
Japan	47 (1.9)	
Chinese Taipei	47 (1.8)	
United States	45 (1.8)	
Australia	42 (2.0)	
Israel	42 (2.0)	
Canada	40 (1.9)	
Sweden	39 (2.0)	
England	36 (2.1)	
International Avg.	34 (0.3)	
Georgia	33 (2.9)	
New Zealand	32 (1.6)	
Malaysia	32 (1.9)	
Ireland	32 (1.8)	
Turkey	31 (1.6)	
Botswana (9)	29 (1.8)	
Jordan	28 (1.9)	
Morocco	28 (1.4)	
Lithuania	27 (2.5)	
Slovenia	27 (2.2)	
Malta	27 (2.0)	
United Arab Emirates	27 (1.2)	
Oman	26 (1.5)	
Norway (9)	25 (2.1)	
Qatar	24 (1.8)	
Hungary	22 (1.9)	
Italy	20 (1.8)	
Bahrain	17 (1.5)	
Egypt	17 (1.4)	
Saudi Arabia	14 (1.7)	
Kuwait	14 (1.8)	
Chile	12 (1.5)	
Lebanon	11 (1.6)	
South Africa (9)	10 (1.2)	
Benchmarking Participants		
Ontario, Canada	40 (2.7)	
Dubai, UAE	39 (2.3)	
Florida, US	39 (3.6)	
Quebec, Canada	39 (2.5)	
Abu Dhabi, UAE	23 (2.0)	
Norway (8)	21 (1.5)	
Buenos Aires, Argentina	8 (1.4)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_05B (S052095B): Garden with bird feeder: cat+birds
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	92 (1.3) ⬤	
Lithuania	88 (1.7) ⬤	
Hungary	86 (1.6) ⬤	
Slovenia	83 (1.7) ⬤	
Iran, Islamic Rep. of	82 (1.5) ⬤	
New Zealand	82 (1.3) ⬤	
Norway (9)	81 (1.7) ⬤	
Canada	80 (1.7) ⬤	
Australia	80 (1.5) ⬤	
Ireland	79 (1.6) ⬤	
Italy	78 (1.8) ⬤	
Turkey	78 (1.8) ⬤	
Chile	77 (1.8) ⬤	
United States	77 (1.4) ⬤	
Chinese Taipei	77 (1.6) ⬤	
Sweden	77 (2.0) ⬤	
England	76 (1.9)	
Israel	75 (1.5)	
Kazakhstan	75 (2.8)	
Malta	75 (1.7)	
Singapore	74 (1.5)	
International Avg.	73 (0.3)	
Oman	73 (1.7)	
Georgia	72 (2.4)	
Bahrain	72 (1.8)	
Jordan	71 (1.7)	
United Arab Emirates	70 (1.1) ⬤	
Korea, Rep. of	70 (1.7) ⬤	
Morocco	69 (1.5) ⬤	
Botswana (9)	69 (1.7) ⬤	
Qatar	68 (1.8) ⬤	
Malaysia	66 (1.7) ⬤	
Hong Kong SAR	65 (2.0) ⬤	
Saudi Arabia	65 (2.1) ⬤	
Kuwait	63 (2.4) ⬤	
Thailand	63 (2.1) ⬤	
Japan	62 (2.0) ⬤	
South Africa (9)	61 (1.6) ⬤	
Lebanon	58 (2.3) ⬤	
Egypt	46 (2.0) ⬤	
Benchmarking Participants		
Quebec, Canada	83 (2.0) ⬤	
Norway (8)	79 (1.8) ⬤	
Ontario, Canada	77 (2.2)	
Dubai, UAE	73 (2.1)	
Florida, US	72 (2.3)	
Abu Dhabi, UAE	66 (2.1) ⬤	
Buenos Aires, Argentina	54 (2.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_05C (S052095C): Garden with bird feeder: cat+mouse
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	94 (1.1) ▲	
Singapore	92 (1.0) ▲	
Lithuania	91 (1.2) ▲	
Norway (9)	91 (1.4) ▲	
Thailand	91 (1.2) ▲	
Slovenia	88 (1.5) ▲	
Sweden	88 (1.5) ▲	
Italy	87 (1.5) ▲	
Hong Kong SAR	87 (1.5) ▲	
Canada	87 (1.3) ▲	
Israel	86 (1.3) ▲	
Hungary	85 (1.4) ▲	
Chinese Taipei	85 (1.3) ▲	
Japan	84 (1.3) ▲	
England	84 (1.6) ▲	
United States	84 (1.2) ▲	
Turkey	84 (1.3) ▲	
Chile	83 (1.7) ▲	
Australia	83 (1.3) ▲	
New Zealand	82 (1.3) ▲	
Ireland	81 (2.3)	
Kazakhstan	81 (1.9)	
Malaysia	79 (1.5)	
Georgia	79 (2.2)	
International Avg.	79 (0.3)	
Morocco	78 (1.3)	
Korea, Rep. of	76 (1.8)	
Jordan	76 (1.7)	
Saudi Arabia	76 (2.4)	
Bahrain	75 (2.3)	
United Arab Emirates	74 (1.3) ▽	
Kuwait	73 (2.0) ▽	
Oman	73 (1.5) ▽	
Qatar	69 (2.2) ▽	
Malta	69 (1.9) ▽	
Iran, Islamic Rep. of	67 (1.9) ▽	
Egypt	60 (2.0) ▽	
Botswana (9)	58 (1.7) ▽	
South Africa (9)	49 (1.9) ▽	
Lebanon	45 (2.4) ▽	
Benchmarking Participants		
Norway (8)	92 (1.2) ▲	
Quebec, Canada	88 (2.1) ▲	
Ontario, Canada	86 (1.6) ▲	
Florida, US	85 (2.0) ▲	
Dubai, UAE	79 (1.8)	
Abu Dhabi, UAE	74 (2.3) ▽	
Buenos Aires, Argentina	50 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_05D (S052095D): Garden with bird feeder: mouse+birds
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	86 (1.8) ⬤	
Lithuania	85 (1.5) ⬤	
Hungary	81 (1.5) ⬤	
Italy	80 (1.8) ⬤	
Norway (9)	79 (1.5) ⬤	
Slovenia	78 (2.1) ⬤	
Thailand	78 (1.7) ⬤	
New Zealand	76 (1.5) ⬤	
Sweden	76 (2.3) ⬤	
Israel	76 (1.7) ⬤	
Kazakhstan	76 (2.2) ⬤	
Canada	76 (1.5) ⬤	
Chile	75 (1.6) ⬤	
Georgia	74 (2.5) ⬤	
Singapore	74 (1.4) ⬤	
Hong Kong SAR	74 (1.7) ⬤	
England	72 (1.9)	
Australia	72 (1.6)	
United States	71 (1.4)	
Bahrain	70 (1.9)	
Kuwait	70 (1.9)	
Chinese Taipei	69 (1.7)	
International Avg.	69 (0.3)	
Oman	69 (1.5)	
Jordan	68 (1.8)	
United Arab Emirates	67 (1.2)	
Japan	67 (1.8)	
Morocco	67 (1.7)	
Iran, Islamic Rep. of	67 (1.9)	
Saudi Arabia	66 (2.6)	
Ireland	66 (1.9)	
Turkey	66 (1.8) ⬤	
Malaysia	64 (1.9) ⬤	
Malta	62 (2.1) ⬤	
Korea, Rep. of	61 (2.3) ⬤	
Qatar	61 (1.9) ⬤	
Botswana (9)	57 (1.8) ⬤	
Egypt	46 (2.1) ⬤	
South Africa (9)	44 (1.5) ⬤	
Lebanon	39 (2.5) ⬤	
Benchmarking Participants		
Quebec, Canada	81 (2.5) ⬤	
Norway (8)	79 (1.7) ⬤	
Ontario, Canada	74 (2.0) ⬤	
Abu Dhabi, UAE	68 (2.1)	
Dubai, UAE	67 (2.2)	
Florida, US	65 (2.8)	
Buenos Aires, Argentina	44 (2.5) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_05Z (S052095Z): Garden with bird feeder (DERIVED)
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	80 (1.7) ▲	
Lithuania	78 (1.9) ▲	
Hungary	69 (2.1) ▲	
Norway (9)	68 (1.9) ▲	
New Zealand	68 (1.6) ▲	
Slovenia	67 (2.2) ▲	
Italy	66 (2.1) ▲	
Canada	66 (1.8) ▲	
Sweden	63 (2.6) ▲	
Australia	62 (1.7) ▲	
Israel	62 (1.7) ▲	
United States	61 (1.7) ▲	
Chile	61 (1.9) ▲	
England	60 (2.0) ▲	
Singapore	59 (1.7) ▲	
Kazakhstan	58 (2.9)	
Ireland	58 (2.4)	
Georgia	58 (2.7)	
International Avg.	54 (0.3)	
Iran, Islamic Rep. of	54 (2.0)	
Chinese Taipei	53 (1.9)	
Bahrain	52 (2.2)	
Thailand	51 (2.2)	
Morocco	51 (1.7)	
Malta	51 (2.0)	
Turkey	51 (2.0)	
Jordan	51 (2.2)	
Hong Kong SAR	51 (2.5)	
Oman	50 (1.8) ▽	
United Arab Emirates	48 (1.3) ▽	
Malaysia	48 (1.8) ▽	
Qatar	45 (2.1) ▽	
Korea, Rep. of	44 (2.2) ▽	
Saudi Arabia	43 (2.8) ▽	
Japan	43 (2.2) ▽	
Kuwait	41 (2.2) ▽	
Botswana (9)	36 (1.9) ▽	
Lebanon	26 (2.3) ▽	
Egypt	24 (1.8) ▽	
South Africa (9)	23 (1.6) ▽	
Benchmarking Participants		
Quebec, Canada	72 (2.6) ▲	
Norway (8)	67 (1.9) ▲	
Ontario, Canada	64 (2.5) ▲	
Florida, US	53 (2.5)	
Dubai, UAE	50 (2.2)	
Abu Dhabi, UAE	47 (2.4) ▽	
Buenos Aires, Argentina	34 (2.3) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_06 (S052134): Number of atoms in NaOH
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	63 (1.6)	
Kazakhstan	59 (3.0)	
Russian Federation	52 (2.9)	
United States	45 (1.6)	
England	44 (2.0)	
Turkey	43 (1.9)	
Slovenia	42 (2.4)	
Japan	41 (2.0)	
Malta	41 (2.0)	
Lithuania	40 (2.6)	
New Zealand	39 (1.8)	
Israel	37 (1.7)	
Australia	37 (1.6)	
Saudi Arabia	37 (2.4)	
International Avg.	37 (0.3)	
Norway (9)	37 (2.2)	
Malaysia	36 (1.5)	
United Arab Emirates	36 (1.2)	
Korea, Rep. of	35 (2.2)	
Canada	35 (1.6)	
Thailand	35 (2.0)	
Georgia	35 (3.0)	
Hungary	35 (2.0)	
Chile	33 (1.8)	
Qatar	33 (1.9)	
Chinese Taipei	33 (2.0)	
Sweden	32 (2.4)	
Egypt	32 (2.0)	
Bahrain	31 (2.6)	
Ireland	31 (1.8)	
Lebanon	31 (2.1)	
Italy	31 (2.3)	
Oman	30 (1.9)	
Iran, Islamic Rep. of	28 (1.9)	
Hong Kong SAR	28 (1.9)	
South Africa (9)	21 (1.3)	
Botswana (9)	- -	
Jordan	- -	
Kuwait	- -	
Morocco	- -	
Benchmarking Participants		
Quebec, Canada	42 (2.7)	
Dubai, UAE	39 (1.8)	
Florida, US	37 (3.7)	
Abu Dhabi, UAE	36 (2.2)	
Norway (8)	33 (2.2)	
Ontario, Canada	32 (2.1)	
Buenos Aires, Argentina	21 (1.9)	

Percent significantly higher than international average

Percent significantly lower than international average

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

A dash (-) indicates comparable data not available

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_07 (S052054): Why Solution 2 is paler than 1 Constructed Response (1 Point)

Country	Percent Correct
Russian Federation	84 (1.7)
Lithuania	81 (1.9)
Norway (9)	79 (1.7)
Hungary	78 (1.9)
Singapore	78 (1.5)
England	77 (1.7)
Canada	77 (1.8)
Australia	76 (1.9)
Sweden	76 (2.1)
Chinese Taipei	74 (1.6)
Korea, Rep. of	74 (1.9)
Slovenia	74 (2.0)
Kazakhstan	74 (2.8)
Ireland	73 (2.0)
New Zealand	72 (1.8)
Japan	71 (1.8)
Italy	65 (2.3)
Hong Kong SAR	64 (2.1)
Iran, Islamic Rep. of	63 (2.2)
United States	62 (1.6)
Malta	61 (1.9)
International Avg.	59 (0.3)
Chile	56 (2.1)
Malaysia	56 (1.9)
Israel	55 (1.9)
Turkey	54 (1.7)
Thailand	50 (1.9)
United Arab Emirates	49 (1.4)
Georgia	49 (2.6)
Oman	48 (1.7)
Qatar	48 (1.8)
Bahrain	46 (2.2)
Jordan	44 (1.7)
Saudi Arabia	40 (2.5)
Lebanon	38 (2.6)
Morocco	34 (1.3)
Kuwait	31 (2.0)
South Africa (9)	29 (2.0)
Botswana (9)	28 (1.7)
Egypt	23 (1.4)
Benchmarking Participants	
Ontario, Canada	76 (1.8)
Quebec, Canada	76 (2.6)
Norway (8)	75 (1.8)
Florida, US	62 (3.7)
Dubai, UAE	59 (2.2)
Abu Dhabi, UAE	48 (2.9)
Buenos Aires, Argentina	37 (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_08 (S052150): Which is a physical change
 Multiple Choice (Key is D)

Country	Percent Correct	
Iran, Islamic Rep. of	74 (1.9)	
United States	58 (1.6)	
Chinese Taipei	57 (2.1)	
Singapore	57 (1.7)	
Kazakhstan	56 (2.8)	
Russian Federation	55 (3.1)	
Turkey	54 (2.0)	
Georgia	53 (3.0)	
Botswana (9)	49 (2.1)	
Slovenia	45 (2.2)	
Australia	44 (1.8)	
United Arab Emirates	43 (1.4)	
Israel	42 (2.2)	
Korea, Rep. of	40 (2.0)	
Canada	38 (1.8)	
Hungary	38 (2.2)	
International Avg.	38 (0.3)	
Bahrain	38 (2.0)	
Thailand	37 (2.0)	
Ireland	37 (2.5)	
Malaysia	36 (1.7)	
New Zealand	36 (1.9)	
Kuwait	35 (2.3)	
Italy	34 (2.1)	
England	33 (2.1)	
Malta	32 (1.9)	
South Africa (9)	32 (1.6)	
Lithuania	31 (2.8)	
Oman	28 (1.5)	
Lebanon	27 (2.4)	
Qatar	27 (1.9)	
Saudi Arabia	27 (2.5)	
Jordan	26 (1.9)	
Hong Kong SAR	26 (1.9)	
Morocco	25 (1.3)	
Chile	24 (1.8)	
Norway (9)	23 (2.0)	
Egypt	20 (1.6)	
Sweden	20 (1.9)	
Japan	18 (1.7)	
Benchmarking Participants		
Florida, US	64 (3.3)	
Dubai, UAE	51 (2.4)	
Quebec, Canada	46 (3.2)	
Abu Dhabi, UAE	36 (2.2)	
Ontario, Canada	33 (2.2)	
Norway (8)	22 (1.9)	
Buenos Aires, Argentina	19 (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

S13_09A (S052243A): Model flashlight: Bulb won't light Constructed Response (1 Point)

Country	Percent Correct	
Singapore	72 (1.4)	
Kazakhstan	71 (2.6)	
Chinese Taipei	60 (2.0)	
Japan	60 (1.7)	
Slovenia	59 (2.2)	
Hong Kong SAR	55 (2.2)	
Israel	52 (1.9)	
Malaysia	50 (2.3)	
Hungary	50 (2.3)	
Turkey	49 (2.1)	
Sweden	48 (3.0)	
Norway (9)	47 (2.5)	
England	47 (2.0)	
Iran, Islamic Rep. of	45 (2.1)	
Canada	44 (1.8)	
Lithuania	44 (2.6)	
Qatar	43 (2.0)	
Russian Federation	43 (2.3)	
International Avg.	42 (0.3)	
Ireland	42 (2.2)	
Jordan	42 (2.0)	
United Arab Emirates	41 (1.3)	
Korea, Rep. of	41 (2.1)	
New Zealand	40 (1.9)	
Saudi Arabia	40 (2.8)	
Oman	40 (1.4)	
Bahrain	40 (2.1)	
Malta	38 (2.0)	
Kuwait	38 (2.4)	
Chile	36 (2.3)	
Italy	35 (2.1)	
Thailand	33 (1.7)	
Georgia	31 (2.6)	
Australia	31 (1.7)	
Botswana (9)	30 (1.8)	
United States	27 (1.2)	
Lebanon	27 (2.1)	
Egypt	24 (1.6)	
South Africa (9)	19 (1.4)	
Morocco	14 (1.0)	
Benchmarking Participants		
Dubai, UAE	51 (2.1)	
Quebec, Canada	49 (3.0)	
Ontario, Canada	41 (2.2)	
Norway (8)	38 (2.2)	
Abu Dhabi, UAE	38 (2.3)	
Buenos Aires, Argentina	26 (2.6)	
Florida, US	22 (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_09B (S052243B): Model flashlight: 2 parallel bulbs
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	85 (1.1) ⬤	
Sweden	56 (3.1) ⬤	
Hong Kong SAR	56 (2.4) ⬤	
Kazakhstan	54 (2.8) ⬤	
Hungary	52 (2.5) ⬤	
England	52 (1.8) ⬤	
Japan	52 (2.2) ⬤	
Slovenia	48 (2.5) ⬤	
New Zealand	48 (2.2) ⬤	
Malta	47 (1.8) ⬤	
Ireland	47 (1.9) ⬤	
Israel	46 (2.3) ⬤	
United Arab Emirates	46 (1.2) ⬤	
Turkey	45 (1.9) ⬤	
Canada	45 (1.8) ⬤	
Norway (9)	45 (2.4) ⬤	
Russian Federation	44 (2.0) ⬤	
Iran, Islamic Rep. of	43 (1.7) ⬤	
Oman	42 (1.6) ⬤	
International Avg.	41 (0.3) ⬤	
Italy	40 (2.3) ⬤	
Bahrain	40 (2.3) ⬤	
Malaysia	40 (2.1) ⬤	
Chinese Taipei	40 (1.7) ⬤	
United States	39 (1.5) ⬤	
Chile	39 (2.3) ⬤	
Korea, Rep. of	38 (2.2) ⬤	
Kuwait	37 (2.7) ⬤	
Australia	37 (1.9) ⬤	
Qatar	37 (1.6) ⬤	
Lithuania	36 (2.4) ⬤	
Jordan	34 (1.9) ⬤	
South Africa (9)	30 (1.9) ⬤	
Saudi Arabia	29 (2.4) ⬤	
Botswana (9)	28 (1.6) ⬤	
Morocco	27 (1.5) ⬤	
Georgia	23 (2.4) ⬤	
Lebanon	23 (2.4) ⬤	
Thailand	22 (1.9) ⬤	
Egypt	18 (1.3) ⬤	
Benchmarking Participants		
Dubai, UAE	56 (1.8) ⬤	
Ontario, Canada	46 (2.3) ⬤	
Abu Dhabi, UAE	44 (2.3) ⬤	
Quebec, Canada	42 (2.6) ⬤	
Florida, US	32 (2.6) ⬤	
Norway (8)	29 (1.8) ⬤	
Buenos Aires, Argentina	17 (2.2) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower 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_09C (S052243C): Model flashlights: Comparison
 Multiple Choice (Key is C)

Country	Percent Correct
Chinese Taipei	70 (1.7)
Lithuania	62 (2.5)
Ireland	56 (2.2)
Hong Kong SAR	54 (2.3)
Sweden	54 (2.9)
Korea, Rep. of	54 (2.2)
Slovenia	53 (2.3)
Canada	53 (1.8)
Russian Federation	52 (2.6)
New Zealand	52 (1.9)
United States	52 (1.4)
Australia	50 (1.8)
Italy	50 (2.6)
Chile	49 (1.8)
Hungary	48 (2.3)
Norway (9)	47 (2.3)
Malta	44 (2.0)
England	44 (2.3)
Israel	44 (1.9)
Japan	43 (2.0)
Singapore	43 (1.7)
International Avg.	42 (0.3)
Malaysia	41 (1.7)
United Arab Emirates	39 (1.3)
Qatar	37 (1.7)
Kazakhstan	36 (2.5)
Bahrain	36 (2.0)
Turkey	35 (2.2)
Thailand	35 (2.2)
Saudi Arabia	34 (2.1)
Jordan	33 (2.0)
Iran, Islamic Rep. of	32 (1.6)
Georgia	30 (1.9)
Egypt	28 (1.6)
Oman	27 (1.5)
Lebanon	26 (2.3)
Kuwait	25 (2.0)
Botswana (9)	24 (1.6)
Morocco	24 (1.4)
South Africa (9)	20 (1.3)
Benchmarking Participants	
Quebec, Canada	57 (2.6)
Florida, US	52 (3.2)
Ontario, Canada	51 (2.4)
Norway (8)	51 (2.2)
Dubai, UAE	50 (1.9)
Abu Dhabi, UAE	32 (2.4)
Buenos Aires, Argentina	26 (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_10 (S052206): Two bar magnets repelling
 Multiple Choice (Key is A)

Country	Percent Correct	
Russian Federation	87 (2.0)	
Singapore	86 (1.4)	
Japan	80 (1.4)	
Korea, Rep. of	75 (1.8)	
Turkey	73 (1.6)	
Hungary	72 (1.8)	
Kazakhstan	69 (2.9)	
Sweden	68 (2.4)	
Iran, Islamic Rep. of	67 (2.1)	
Malaysia	57 (1.5)	
Lithuania	55 (2.1)	
Israel	54 (2.0)	
Italy	53 (2.5)	
Norway (9)	53 (1.8)	
United States	52 (1.3)	
Chinese Taipei	49 (2.0)	
International Avg.	49 (0.3)	
Thailand	48 (2.2)	
Ireland	48 (2.7)	
United Arab Emirates	47 (1.4)	
Hong Kong SAR	44 (2.1)	
Qatar	44 (1.7)	
Botswana (9)	44 (1.8)	
Chile	44 (2.3)	
Slovenia	43 (2.1)	
Oman	43 (1.8)	
Georgia	42 (2.6)	
Bahrain	39 (1.7)	
Australia	38 (2.1)	
Kuwait	36 (2.4)	
Jordan	35 (1.8)	
Canada	34 (1.5)	
England	32 (2.1)	
Lebanon	32 (2.5)	
Egypt	30 (1.8)	
South Africa (9)	29 (1.6)	
Malta	28 (1.6)	
New Zealand	25 (1.9)	
Saudi Arabia	22 (1.9)	
Morocco	19 (1.1)	
Benchmarking Participants		
Dubai, UAE	60 (1.9)	
Florida, US	46 (2.2)	
Quebec, Canada	42 (2.7)	
Norway (8)	41 (2.3)	
Abu Dhabi, UAE	41 (2.8)	
Buenos Aires, Argentina	32 (2.5)	
Ontario, Canada	30 (1.9)	

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_11A (S052112A): Planets: Shortest day length
 Multiple Choice (Key is D)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	77 (1.9) ▲	
Slovenia	77 (1.8) ▲	
Sweden	74 (1.9) ▲	
Korea, Rep. of	74 (1.8) ▲	
Singapore	74 (1.5) ▲	
United States	74 (1.5) ▲	
Chinese Taipei	72 (1.8) ▲	
Chile	71 (2.0) ▲	
Australia	70 (1.8) ▲	
Italy	69 (2.2) ▲	
Lithuania	69 (2.0) ▲	
Ireland	68 (2.0) ▲	
Hungary	68 (2.1) ▲	
Norway (9)	67 (1.6) ▲	
Russian Federation	67 (2.6) ▲	
Canada	67 (1.8) ▲	
New Zealand	67 (1.8) ▲	
England	67 (2.1) ▲	
Japan	66 (2.0) ▲	
Malta	65 (2.1) ▲	
Israel	61 (2.1)	
International Avg.	60 (0.3)	
United Arab Emirates	58 (1.1)	
South Africa (9)	58 (1.5)	
Qatar	57 (1.8) ▽	
Botswana (9)	56 (1.6) ▽	
Turkey	56 (2.0) ▽	
Bahrain	54 (2.2) ▽	
Saudi Arabia	53 (2.1) ▽	
Malaysia	52 (1.5) ▽	
Jordan	51 (1.9) ▽	
Kuwait	47 (2.4) ▽	
Thailand	47 (2.1) ▽	
Iran, Islamic Rep. of	47 (2.0) ▽	
Georgia	47 (2.9) ▽	
Kazakhstan	46 (3.4) ▽	
Oman	46 (1.7) ▽	
Morocco	40 (1.5) ▽	
Egypt	37 (1.7) ▽	
Lebanon	36 (2.5) ▽	
Benchmarking Participants		
Florida, US	77 (2.7) ▲	
Quebec, Canada	70 (3.3) ▲	
Norway (8)	70 (1.8) ▲	
Dubai, UAE	69 (1.9) ▲	
Ontario, Canada	65 (2.1) ▲	
Abu Dhabi, UAE	56 (2.3) ▽	
Buenos Aires, Argentina	39 (3.3) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_11B (S052112B): Planets: Distance from Sun
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Korea, Rep. of	69 (1.8) ▲	
Japan	48 (1.7) ▲	
Singapore	47 (2.0) ▲	
Slovenia	43 (2.4) ▲	
Hungary	42 (2.6) ▲	
Sweden	41 (2.5) ▲	
Lithuania	41 (2.7) ▲	
Turkey	39 (1.9) ▲	
Israel	38 (1.7) ▲	
England	37 (1.9) ▲	
Canada	37 (1.7) ▲	
Russian Federation	34 (2.0) ▲	
Chinese Taipei	33 (1.6) ▲	
Malaysia	32 (1.7) ▲	
New Zealand	31 (1.7) ▲	
Hong Kong SAR	31 (2.3) ▲	
Ireland	31 (1.8) ▲	
Australia	30 (1.7) ▲	
International Avg.	28 (0.3)	
Italy	27 (2.4) ▲	
United States	25 (1.5) ▲	
United Arab Emirates	25 (1.2) ▽	
Chile	25 (1.9) ▲	
Bahrain	24 (1.7) ▲	
Qatar	24 (1.7) ▽	
Iran, Islamic Rep. of	23 (1.7) ▽	
Norway (9)	22 (1.7) ▽	
Malta	22 (1.6) ▽	
Georgia	19 (2.1) ▽	
Kazakhstan	19 (1.8) ▽	
Jordan	16 (1.4) ▽	
Kuwait	14 (1.9) ▽	
Lebanon	14 (2.0) ▽	
Saudi Arabia	14 (2.3) ▽	
Botswana (9)	12 (1.1) ▽	
Oman	12 (1.0) ▽	
Morocco	11 (1.0) ▽	
Thailand	9 (1.4) ▽	
Egypt	6 (0.8) ▽	
South Africa (9)	6 (0.8) ▽	
Benchmarking Participants		
Quebec, Canada	46 (2.3) ▲	
Ontario, Canada	34 (2.4) ▲	
Dubai, UAE	33 (2.4) ▲	
Abu Dhabi, UAE	24 (2.0) ▲	
Florida, US	22 (2.9) ▲	
Norway (8)	19 (1.8) ▽	
Buenos Aires, Argentina	10 (1.6) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S13_12 (S052294): Temperature outside an airplane
 Multiple Choice (Key is A)

Country	Percent Correct	
Russian Federation	87 (1.5)	
Chinese Taipei	86 (1.5)	
Korea, Rep. of	86 (1.5)	
Norway (9)	83 (1.6)	
Hong Kong SAR	83 (1.7)	
Japan	83 (1.4)	
Ireland	80 (1.6)	
Slovenia	80 (1.9)	
Sweden	79 (2.0)	
Canada	76 (1.5)	
United States	75 (1.3)	
Italy	73 (2.1)	
Singapore	73 (1.5)	
Australia	73 (1.7)	
Lithuania	72 (2.3)	
Hungary	72 (2.3)	
Israel	72 (1.4)	
England	70 (1.9)	
New Zealand	65 (1.8)	
Chile	64 (2.2)	
Kazakhstan	62 (2.9)	
International Avg.	61 (0.3)	
Turkey	60 (1.8)	
United Arab Emirates	58 (1.6)	
Thailand	56 (1.9)	
Qatar	55 (2.1)	
Oman	54 (1.7)	
Malta	54 (2.1)	
Iran, Islamic Rep. of	48 (1.9)	
Georgia	48 (2.4)	
Bahrain	48 (2.4)	
Jordan	45 (2.1)	
Saudi Arabia	42 (2.3)	
Kuwait	42 (2.3)	
Morocco	41 (1.5)	
Egypt	38 (2.2)	
Malaysia	29 (1.6)	
Lebanon	26 (2.3)	
Botswana (9)	23 (1.6)	
South Africa (9)	21 (1.6)	
Benchmarking Participants		
Quebec, Canada	86 (2.4)	
Norway (8)	80 (1.8)	
Ontario, Canada	71 (2.0)	
Florida, US	69 (3.1)	
Dubai, UAE	67 (1.6)	
Buenos Aires, Argentina	61 (2.2)	
Abu Dhabi, UAE	56 (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_01A (S062091A): Producers in food web
 Multiple Choice (Key is B)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	95 (0.9) ▲	
Singapore	94 (1.0) ▲	
Hong Kong SAR	93 (1.1) ▲	
Slovenia	92 (1.2) ▲	
Lithuania	92 (1.2) ▲	
United States	89 (0.9) ▲	
Korea, Rep. of	89 (1.2) ▲	
Malaysia	87 (1.6) ▲	
England	86 (2.1) ▲	
Japan	85 (1.5) ▲	
Norway (9)	85 (1.6) ▲	
Thailand	84 (2.0) ▲	
Hungary	83 (1.8) ▲	
Israel	83 (1.3) ▲	
Jordan	83 (1.3) ▲	
Canada	82 (1.4) ▲	
New Zealand	82 (1.7)	
Sweden	82 (1.9)	
Australia	82 (1.2) ▲	
Malta	79 (1.6)	
International Avg.	79 (0.3)	
Chile	79 (1.9)	
Botswana (9)	78 (1.5)	
Oman	78 (1.6)	
Bahrain	77 (1.9)	
Qatar	77 (2.2)	
Iran, Islamic Rep. of	77 (1.6)	
United Arab Emirates	76 (1.2) ▽	
Italy	75 (2.1)	
Russian Federation	74 (1.9) ▽	
Turkey	74 (1.8) ▽	
Ireland	73 (2.0) ▽	
Morocco	72 (1.3) ▽	
Kazakhstan	70 (2.5) ▽	
Kuwait	69 (2.4) ▽	
South Africa (9)	66 (1.6) ▽	
Georgia	66 (2.0) ▽	
Saudi Arabia	60 (2.2) ▽	
Egypt	59 (1.7) ▽	
Lebanon	56 (2.6) ▽	
Benchmarking Participants		
Dubai, UAE	86 (1.5) ▲	
Florida, US	84 (2.1) ▲	
Ontario, Canada	82 (1.8)	
Norway (8)	80 (1.8)	
Quebec, Canada	80 (2.3)	
Abu Dhabi, UAE	72 (2.5) ▽	
Buenos Aires, Argentina	67 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_01B (S062091B): Eat only plants in food web
 Multiple Choice (Key is C)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	92 (0.9) ▲	
Hong Kong SAR	88 (1.4) ▲	
Slovenia	87 (1.3) ▲	
Thailand	86 (1.5) ▲	
United States	86 (1.0) ▲	
Israel	85 (1.4) ▲	
Chinese Taipei	85 (1.5) ▲	
Korea, Rep. of	84 (1.7) ▲	
Lithuania	84 (1.6) ▲	
Australia	83 (1.4) ▲	
New Zealand	83 (1.3) ▲	
Canada	82 (1.3) ▲	
Chile	82 (1.7) ▲	
Hungary	82 (1.5) ▲	
Malaysia	82 (1.6) ▲	
England	81 (1.6) ▲	
Norway (9)	81 (1.9) □	
Malta	80 (1.7)	
Japan	80 (1.6)	
Italy	80 (2.0)	
United Arab Emirates	78 (1.0)	
Qatar	78 (1.4)	
Georgia	78 (2.2)	
International Avg.	77 (0.3)	
Oman	77 (1.5)	
Russian Federation	77 (1.9)	
Sweden	75 (2.2)	
Jordan	75 (1.4) ▽	
Ireland	74 (1.9) ▽	
Botswana (9)	73 (1.5) ▽	
Iran, Islamic Rep. of	73 (1.7) ▽	
Morocco	73 (1.3) ▽	
Bahrain	71 (2.0) ▽	
Turkey	71 (1.2) ▽	
Saudi Arabia	68 (2.4) ▽	
South Africa (9)	65 (1.4) ▽	
Kazakhstan	64 (3.1) ▽	
Kuwait	60 (2.3) ▽	
Lebanon	59 (2.4) ▽	
Egypt	57 (1.6) ▽	
Benchmarking Participants		
Dubai, UAE	87 (1.6) ▲	
Ontario, Canada	85 (1.3) ▲	
Norway (8)	81 (1.7)	
Florida, US	79 (2.3)	
Abu Dhabi, UAE	77 (1.7)	
Quebec, Canada	77 (2.3)	
Buenos Aires, Argentina	64 (2.5) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower 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 (S062100): Cell structure of fossils
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Chinese Taipei	79 (1.8) ⬤	
Singapore	78 (1.6) ⬤	
Japan	76 (1.7) ⬤	
Bahrain	62 (2.1) ⬤	
Slovenia	62 (2.4) ⬤	
United States	61 (1.5) ⬤	
Korea, Rep. of	61 (1.8) ⬤	
United Arab Emirates	59 (1.5) ⬤	
Hong Kong SAR	57 (2.2) ⬤	
Oman	51 (1.8) ⬤	
Canada	50 (2.2) ⬤	
Qatar	49 (1.7) ⬤	
Australia	48 (1.8) ⬤	
Ireland	48 (1.8) ⬤	
New Zealand	48 (2.2) ⬤	
Malaysia	47 (2.1) ⬤	
England	46 (2.3) ⬤	
Malta	45 (1.8) ⬤	
Kazakhstan	44 (2.6) ⬤	
Israel	44 (2.2) ⬤	
Lithuania	43 (2.4) ⬤	
International Avg.	43 (0.3) ⬤	
Russian Federation	42 (2.5) ⬤	
Kuwait	39 (2.5) ⬤	
Jordan	37 (1.9) ⬤	
Saudi Arabia	37 (2.6) ⬤	
Botswana (9)	35 (2.1) ⬤	
Turkey	32 (2.0) ⬤	
South Africa (9)	31 (1.8) ⬤	
Thailand	29 (2.4) ⬤	
Italy	28 (1.9) ⬤	
Iran, Islamic Rep. of	27 (2.0) ⬤	
Georgia	26 (2.6) ⬤	
Sweden	26 (2.6) ⬤	
Egypt	25 (1.7) ⬤	
Lebanon	24 (2.4) ⬤	
Chile	23 (1.8) ⬤	
Norway (9)	21 (2.2) ⬤	
Morocco	14 (1.1) ⬤	
Hungary	10 (1.3) ⬤	
Benchmarking Participants		
Dubai, UAE	67 (2.6) ⬤	
Abu Dhabi, UAE	58 (2.8) ⬤	
Ontario, Canada	54 (2.6) ⬤	
Florida, US	53 (2.9) ⬤	
Quebec, Canada	45 (2.4) ⬤	
Norway (8)	24 (2.4) ⬤	
Buenos Aires, Argentina	12 (2.0) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_03 (S062097): Kate's heart and breathing rates
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	83 (1.4)	
Chinese Taipei	74 (1.7)	
Japan	73 (1.9)	
Hong Kong SAR	71 (2.2)	
Korea, Rep. of	70 (1.7)	
Australia	65 (1.8)	
United States	65 (1.2)	
Norway (9)	63 (1.8)	
Ireland	63 (2.3)	
England	61 (2.3)	
Slovenia	60 (2.5)	
Sweden	60 (2.5)	
New Zealand	60 (2.2)	
Canada	58 (1.6)	
Lithuania	57 (2.2)	
Italy	57 (1.9)	
Russian Federation	55 (2.9)	
Hungary	55 (2.2)	
Malaysia	55 (1.9)	
Turkey	55 (2.2)	
Israel	54 (1.9)	
Kazakhstan	54 (2.7)	
Malta	51 (1.9)	
International Avg.	50 (0.3)	
Chile	49 (2.2)	
Thailand	46 (2.3)	
United Arab Emirates	46 (1.4)	
Qatar	45 (1.6)	
Georgia	36 (2.6)	
Bahrain	34 (1.9)	
Oman	34 (1.6)	
Iran, Islamic Rep. of	34 (1.8)	
Botswana (9)	32 (1.9)	
Saudi Arabia	32 (1.9)	
Jordan	31 (1.7)	
Kuwait	28 (2.1)	
Lebanon	26 (2.3)	
Egypt	26 (1.7)	
South Africa (9)	25 (1.4)	
Morocco	22 (1.1)	
Benchmarking Participants		
Florida, US	60 (2.6)	
Dubai, UAE	58 (2.2)	
Ontario, Canada	58 (2.0)	
Quebec, Canada	56 (2.9)	
Norway (8)	55 (2.2)	
Abu Dhabi, UAE	47 (2.6)	
Buenos Aires, Argentina	30 (2.5)	

Percent significantly higher than international average

Percent significantly lower 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 (S062101): Stomach tissue and function
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Russian Federation	63 (2.9) ▲	88 (2.0) ▲
Japan	59 (1.9) ▲	88 (1.4) ▲
Chinese Taipei	57 (2.1) ▲	89 (1.4) ▲
Korea, Rep. of	54 (1.9) ▲	81 (1.6) ▲
Singapore	53 (1.9) ▲	86 (1.2) ▲
Slovenia	53 (2.5) ▲	80 (2.0) ▲
Hong Kong SAR	52 (2.2) ▲	86 (1.8) ▲
Hungary	45 (2.3) ▲	81 (1.9) ▲
Norway (9)	45 (2.4) ▲	69 (1.9) ▲
Lithuania	42 (2.4) ▲	80 (2.0) ▲
United States	41 (1.5) ▲	80 (1.5) ▲
Ireland	38 (1.9) ▲	79 (1.7) ▲
Australia	37 (1.8) ▲	80 (1.5) ▲
England	37 (1.8) ▲	77 (1.8) ▲
Georgia	36 (2.6) ▲	67 (2.7) ▲
Kazakhstan	34 (3.1)	60 (2.9) ▲
New Zealand	33 (2.0)	70 (1.9) ▲
Canada	32 (1.8)	74 (1.6) ▲
Israel	31 (1.7)	63 (1.7) ▲
International Avg.	30 (0.3)	62 (0.3)
Italy	30 (2.2)	70 (1.8) ▲
Sweden	29 (2.7)	63 (2.6) ▲
Chile	24 (1.6) ▽	57 (2.3) ▽
Thailand	23 (1.8) ▽	65 (2.1) ▽
Malta	21 (1.7) ▽	58 (1.8) ▽
United Arab Emirates	19 (1.1) ▽	51 (1.4) ▽
Iran, Islamic Rep. of	19 (1.4) ▽	56 (2.1) ▽
Bahrain	19 (1.9) ▽	53 (2.0) ▽
Qatar	17 (1.5) ▽	54 (2.0) ▽
Oman	15 (1.4) ▽	45 (1.9) ▽
Malaysia	15 (1.0) ▽	49 (1.7) ▽
Saudi Arabia	12 (1.6) ▽	40 (2.4) ▽
Kuwait	11 (1.9) ▽	35 (2.8) ▽
Lebanon	10 (1.6) ▽	36 (2.7) ▽
Turkey	10 (1.1) ▽	50 (1.7) ▽
Jordan	10 (1.2) ▽	38 (2.1) ▽
Botswana (9)	8 (1.0) ▽	43 (1.7) ▽
South Africa (9)	7 (0.9) ▽	32 (1.4) ▽
Morocco	7 (0.7) ▽	32 (1.3) ▽
Egypt	7 (1.0) ▽	27 (1.9) ▽
Benchmarking Participants		
Norway (8)	41 (2.3) ▲	68 (2.2) ▲
Florida, US	38 (3.1) ▲	74 (2.5) ▲
Ontario, Canada	36 (2.5) ▲	77 (2.0) ▲
Dubai, UAE	31 (2.8)	67 (2.8) ▲
Quebec, Canada	23 (2.1) ▽	69 (2.9) ▲
Abu Dhabi, UAE	15 (1.5) ▽	43 (2.8) ▽
Buenos Aires, Argentina	11 (1.6) ▽	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_06 (S062128): Densities of three liquids Constructed Response (1 Point)

Country	Percent Correct	
Singapore	83 (1.4)	
Japan	75 (1.7)	
Korea, Rep. of	75 (1.9)	
Malaysia	73 (2.1)	
Slovenia	69 (2.2)	
Russian Federation	66 (2.1)	
Canada	65 (1.8)	
Hong Kong SAR	62 (2.6)	
Turkey	62 (2.2)	
Lithuania	61 (2.0)	
Kazakhstan	61 (3.0)	
Malta	61 (2.2)	
United States	61 (1.7)	
Israel	61 (2.1)	
Chinese Taipei	60 (2.1)	
Hungary	59 (2.3)	
Sweden	57 (2.4)	
Italy	57 (2.2)	
Ireland	55 (2.6)	
Australia	54 (2.0)	
New Zealand	53 (1.9)	
Norway (9)	53 (2.5)	
England	52 (2.3)	
International Avg.	52 (0.3)	
Lebanon	49 (2.7)	
United Arab Emirates	48 (1.5)	
Oman	47 (1.8)	
Iran, Islamic Rep. of	46 (2.4)	
Jordan	44 (1.9)	
Georgia	42 (2.8)	
Thailand	42 (2.5)	
Qatar	42 (1.7)	
Bahrain	39 (1.9)	
Morocco	35 (1.6)	
Kuwait	30 (2.8)	
Egypt	29 (1.8)	
Chile	26 (1.7)	
Botswana (9)	24 (1.7)	
Saudi Arabia	22 (2.1)	
South Africa (9)	18 (1.1)	
Benchmarking Participants		
Quebec, Canada	68 (2.9)	
Ontario, Canada	63 (2.3)	
Dubai, UAE	62 (1.9)	
Norway (8)	54 (2.4)	
Florida, US	54 (4.5)	
Abu Dhabi, UAE	42 (2.6)	
Buenos Aires, Argentina	24 (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

S14_07 (S062047): Absorbed or reflected light (DERIVED) Constructed Response (1 Point)

Country	Percent Correct
Singapore	57 (1.8)
Hong Kong SAR	53 (2.5)
New Zealand	48 (2.0)
Israel	48 (2.0)
United States	47 (1.6)
Hungary	47 (2.6)
Italy	47 (2.4)
Slovenia	46 (2.2)
England	46 (2.3)
Japan	46 (2.1)
Canada	45 (2.0)
Korea, Rep. of	43 (2.3)
Kazakhstan	42 (2.5)
Qatar	42 (2.1)
Russian Federation	42 (2.5)
Chinese Taipei	40 (2.1)
Turkey	40 (2.0)
Norway (9)	40 (2.4)
Lithuania	39 (2.6)
Lebanon	39 (2.3)
United Arab Emirates	38 (1.4)
International Avg.	38 (0.3)
Ireland	37 (2.1)
Kuwait	37 (2.4)
Jordan	37 (2.1)
Sweden	36 (3.1)
Australia	36 (1.7)
Malta	35 (1.8)
Bahrain	34 (1.7)
Malaysia	33 (1.7)
Thailand	32 (2.0)
Egypt	29 (1.5)
Chile	29 (2.1)
Iran, Islamic Rep. of	29 (1.8)
Georgia	27 (2.2)
Oman	26 (1.5)
Morocco	26 (1.3)
Saudi Arabia	25 (2.2)
Botswana (9)	21 (1.5)
South Africa (9)	20 (1.3)
Benchmarking Participants	
Quebec, Canada	49 (2.3)
Dubai, UAE	47 (3.0)
Florida, US	43 (3.1)
Ontario, Canada	43 (2.1)
Abu Dhabi, UAE	36 (2.3)
Norway (8)	31 (1.9)
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

S14_07A (S062047A): Absorbed or reflected light: green
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	69 (2.3) ⬤	
Singapore	66 (1.6) ⬤	
United States	65 (1.5) ⬤	
New Zealand	64 (1.8) ⬤	
Israel	63 (1.9) ⬤	
Japan	63 (1.9) ⬤	
Italy	61 (2.3) ⬤	
Hungary	61 (2.4) ⬤	
England	61 (2.1) ⬤	
Canada	60 (1.7) ⬤	
Turkey	60 (1.9) ⬤	
Sweden	60 (2.3)	
Slovenia	59 (2.2)	
Norway (9)	59 (2.1)	
Kazakhstan	59 (2.8)	
Thailand	59 (1.7) ⬤	
Korea, Rep. of	57 (2.2)	
Qatar	56 (2.1)	
Chinese Taipei	56 (2.2)	
Ireland	56 (2.2)	
Kuwait	56 (2.5)	
Malta	56 (2.2)	
Russian Federation	56 (2.2)	
International Avg.	56 (0.3)	
United Arab Emirates	55 (1.4)	
Australia	55 (2.0)	
Lithuania	55 (2.5)	
Jordan	53 (1.8)	
Bahrain	52 (2.2)	
Chile	51 (2.1) ⬤	
Malaysia	51 (1.6) ⬤	
Lebanon	50 (2.4) ⬤	
Saudi Arabia	48 (2.2) ⬤	
Georgia	48 (2.5) ⬤	
Egypt	48 (2.0) ⬤	
Oman	47 (1.6) ⬤	
Morocco	46 (1.3) ⬤	
Iran, Islamic Rep. of	45 (1.5) ⬤	
South Africa (9)	42 (1.5) ⬤	
Botswana (9)	40 (1.8) ⬤	
Benchmarking Participants		
Quebec, Canada	63 (2.5) ⬤	
Florida, US	60 (3.4)	
Dubai, UAE	60 (2.9)	
Ontario, Canada	59 (2.2)	
Abu Dhabi, UAE	56 (2.2)	
Norway (8)	50 (2.2) ⬤	
Buenos Aires, Argentina	37 (2.3) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_07B (S062047B): Absorbed or reflected light: red
 Multiple Choice (Key is B)

Country	Percent Correct	
Singapore	67 (1.6)	
Hong Kong SAR	67 (2.1)	
Canada	67 (1.8)	
New Zealand	66 (1.4)	
United States	65 (1.4)	
Norway (9)	65 (1.8)	
Turkey	64 (2.0)	
Hungary	64 (2.5)	
Israel	64 (1.9)	
Japan	63 (1.8)	
Sweden	63 (2.5)	
Slovenia	63 (2.3)	
Italy	63 (2.3)	
Russian Federation	62 (2.4)	
England	62 (2.4)	
Ireland	60 (2.2)	
Thailand	57 (2.0)	
Malta	57 (2.0)	
Qatar	56 (2.3)	
International Avg.	56 (0.3)	
Kazakhstan	56 (2.8)	
Lithuania	56 (2.7)	
Chile	55 (2.1)	
Australia	55 (1.6)	
Jordan	55 (2.1)	
United Arab Emirates	55 (1.4)	
Malaysia	53 (1.7)	
Kuwait	53 (2.4)	
Lebanon	53 (2.8)	
Korea, Rep. of	53 (2.4)	
Bahrain	52 (2.1)	
Chinese Taipei	50 (2.1)	
Georgia	49 (2.4)	
Saudi Arabia	46 (2.3)	
Egypt	46 (1.7)	
Oman	45 (1.7)	
Morocco	44 (1.3)	
Botswana (9)	43 (2.0)	
Iran, Islamic Rep. of	41 (2.0)	
South Africa (9)	41 (1.7)	
Benchmarking Participants		
Quebec, Canada	70 (2.5)	
Ontario, Canada	65 (2.2)	
Dubai, UAE	63 (2.9)	
Florida, US	62 (3.6)	
Norway (8)	57 (2.0)	
Abu Dhabi, UAE	53 (2.0)	
Buenos Aires, Argentina	42 (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

S14_07C (S062047C): Absorbed or reflected light: blue
 Multiple Choice (Key is A)

Country	Percent Correct
Singapore	67 (1.6)
Hong Kong SAR	65 (2.4)
Italy	63 (2.5)
United States	62 (1.4)
New Zealand	62 (1.6)
Hungary	62 (2.4)
Russian Federation	60 (2.3)
Canada	60 (1.9)
Lithuania	60 (2.3)
England	60 (1.9)
Slovenia	59 (2.3)
Israel	59 (1.9)
Japan	59 (2.2)
Turkey	57 (1.9)
Kazakhstan	56 (2.4)
Sweden	56 (3.0)
Norway (9)	56 (2.1)
Kuwait	56 (2.1)
Qatar	54 (2.7)
United Arab Emirates	54 (1.3)
International Avg.	54 (0.3)
Malaysia	53 (1.9)
Jordan	53 (1.9)
Chinese Taipei	53 (2.1)
Ireland	52 (2.0)
Australia	51 (1.7)
Korea, Rep. of	51 (2.2)
Malta	51 (1.9)
Bahrain	49 (1.9)
Chile	48 (2.4)
Thailand	48 (1.9)
Lebanon	47 (2.5)
Oman	46 (1.8)
Egypt	45 (1.7)
Botswana (9)	44 (1.7)
Iran, Islamic Rep. of	44 (1.7)
Morocco	43 (1.4)
Saudi Arabia	43 (2.7)
Georgia	43 (2.2)
South Africa (9)	41 (1.4)
Benchmarking Participants	
Quebec, Canada	63 (2.4)
Dubai, UAE	62 (2.2)
Florida, US	58 (2.2)
Ontario, Canada	58 (2.5)
Norway (8)	50 (2.2)
Abu Dhabi, UAE	50 (2.1)
Buenos Aires, Argentina	34 (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_08 (S062042): Parts of incandescent light bulb
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Hong Kong SAR	64 (2.2) ⬤	
Singapore	63 (1.6) ⬤	
Israel	55 (2.1) ⬤	
Italy	50 (2.2) ⬤	
Japan	49 (2.0) ⬤	
Norway (9)	45 (2.8) ⬤	
Jordan	45 (1.7) ⬤	
Lithuania	43 (2.4) ⬤	
Sweden	43 (2.5) ⬤	
Chinese Taipei	43 (2.1) ⬤	
Iran, Islamic Rep. of	43 (2.0) ⬤	
United States	42 (1.5) ⬤	
Kazakhstan	41 (3.2)	
Canada	41 (1.5) ⬤	
Slovenia	40 (2.9)	
Lebanon	38 (2.5)	
Korea, Rep. of	37 (1.9)	
England	37 (2.2)	
Hungary	37 (2.3)	
International Avg.	36 (0.3)	
Russian Federation	35 (2.5)	
United Arab Emirates	34 (1.5)	
Australia	33 (1.8)	
Qatar	33 (2.1)	
Malta	31 (1.9) ⬤	
Oman	31 (1.6) ⬤	
Ireland	31 (2.2) ⬤	
New Zealand	30 (1.7) ⬤	
Bahrain	30 (2.1) ⬤	
Egypt	30 (1.6) ⬤	
Kuwait	29 (2.1) ⬤	
Thailand	28 (2.0) ⬤	
Turkey	28 (1.8) ⬤	
Morocco	26 (1.6) ⬤	
Malaysia	26 (1.4) ⬤	
Botswana (9)	24 (1.4) ⬤	
Georgia	24 (2.1) ⬤	
South Africa (9)	17 (1.3) ⬤	
Saudi Arabia	11 (1.9) ⬤	
Chile	7 (1.0) ⬤	
Benchmarking Participants		
Quebec, Canada	48 (2.8) ⬤	
Dubai, UAE	43 (2.8) ⬤	
Ontario, Canada	39 (2.0)	
Norway (8)	31 (2.2) ⬤	
Florida, US	29 (3.2) ⬤	
Abu Dhabi, UAE	28 (2.7) ⬤	
Buenos Aires, Argentina	14 (1.9) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_09 (S062250): Paint prevents rust Constructed Response (1 Point)

Country	Percent Correct
Malaysia	52 (2.1) ▲
Kazakhstan	51 (3.0) ▲
Russian Federation	45 (2.5) ▲
Slovenia	45 (2.1) ▲
Ireland	44 (2.4) ▲
Jordan	44 (2.0) ▲
Lithuania	43 (3.3) ▲
New Zealand	41 (1.7) ▲
Iran, Islamic Rep. of	40 (2.0) ▲
Sweden	39 (2.4) ▲
Hungary	38 (2.1) ▲
Canada	36 (1.4) ▲
Norway (9)	36 (2.3) ▲
Singapore	35 (1.6) ▲
Kuwait	34 (2.2) ▲
England	33 (2.0) ▲
United States	31 (1.5)
Australia	31 (1.4)
Chile	31 (2.1)
International Avg.	29 (0.3)
Morocco	29 (1.3)
Qatar	27 (1.8)
United Arab Emirates	27 (1.0) ▽
Botswana (9)	26 (1.7)
Lebanon	25 (2.5)
Israel	24 (1.6) ▽
Thailand	24 (1.6) ▽
Hong Kong SAR	22 (1.7) ▽
Malta	21 (1.8) ▽
Egypt	20 (1.5) ▽
Bahrain	20 (1.5) ▽
Japan	19 (1.7) ▽
Oman	18 (1.4) ▽
South Africa (9)	18 (1.6) ▽
Korea, Rep. of	18 (1.5) ▽
Italy	15 (1.5) ▽
Saudi Arabia	15 (1.7) ▽
Chinese Taipei	14 (1.3) ▽
Georgia	13 (2.0) ▽
Turkey	7 (1.0) ▽
Benchmarking Participants	
Norway (8)	41 (2.4) ▲
Ontario, Canada	38 (1.8) ▲
Dubai, UAE	38 (1.8) ▲
Quebec, Canada	31 (2.4)
Florida, US	22 (2.5) ▽
Abu Dhabi, UAE	20 (1.8) ▽
Buenos Aires, Argentina	8 (1.5) ▽

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

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_10 (S062246): True of all neutral atoms
 Multiple Choice (Key is C)

Country	Percent Correct
Singapore	66 (1.7)
Lebanon	64 (2.7)
Israel	60 (2.1)
Hungary	58 (2.1)
Kazakhstan	53 (3.0)
Kuwait	52 (2.3)
Chinese Taipei	51 (1.8)
Lithuania	50 (2.4)
Korea, Rep. of	50 (2.1)
Slovenia	50 (2.3)
United Arab Emirates	49 (1.2)
Jordan	48 (2.1)
Russian Federation	48 (3.0)
Iran, Islamic Rep. of	48 (2.3)
Turkey	47 (1.9)
Norway (9)	47 (2.6)
Georgia	46 (2.4)
Japan	44 (2.0)
Sweden	44 (2.6)
International Avg.	43 (0.3)
Ireland	43 (2.3)
United States	43 (1.7)
Egypt	43 (2.1)
Bahrain	40 (2.0)
Chile	39 (2.5)
Malta	39 (2.0)
Morocco	39 (1.5)
Thailand	39 (1.8)
Italy	37 (2.4)
Qatar	36 (1.8)
England	35 (2.1)
New Zealand	35 (1.9)
Canada	34 (1.7)
Hong Kong SAR	33 (2.1)
Oman	32 (1.8)
Australia	32 (1.7)
Malaysia	31 (1.9)
South Africa (9)	30 (1.2)
Botswana (9)	26 (2.2)
Saudi Arabia	25 (2.2)
Benchmarking Participants	
Dubai, UAE	51 (2.2)
Abu Dhabi, UAE	48 (2.4)
Florida, US	35 (3.7)
Norway (8)	35 (2.2)
Quebec, Canada	34 (2.5)
Ontario, Canada	34 (2.4)
Buenos Aires, Argentina	22 (2.2)

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

Percent significantly higher than international average

Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_11 (S062056): Mary has a light stick
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
England	73 (2.0) ⬤	
Japan	67 (1.8) ⬤	
Chinese Taipei	66 (1.8) ⬤	
Norway (9)	64 (1.9) ⬤	
Singapore	64 (1.6) ⬤	
Slovenia	63 (2.1) ⬤	
Sweden	60 (2.5) ⬤	
Hong Kong SAR	59 (2.5) ⬤	
Canada	57 (1.8) ⬤	
New Zealand	55 (2.1) ⬤	
Ireland	49 (2.3) ⬤	
United States	49 (1.5) ⬤	
Kazakhstan	49 (2.9) ⬤	
Lithuania	46 (2.5) ⬤	
Korea, Rep. of	45 (2.3) ⬤	
Israel	45 (1.9) ⬤	
Russian Federation	44 (2.9)	
Malta	41 (2.0)	
United Arab Emirates	39 (1.2)	
International Avg.	39 (0.3)	
Qatar	37 (2.1)	
Hungary	34 (2.4)	
Bahrain	34 (1.9) ⬤	
Australia	30 (1.7) ⬤	
Italy	29 (2.1) ⬤	
Jordan	28 (1.4) ⬤	
Oman	28 (1.7) ⬤	
Malaysia	28 (1.9) ⬤	
Thailand	27 (1.7) ⬤	
Kuwait	24 (2.2) ⬤	
Iran, Islamic Rep. of	23 (2.2) ⬤	
Chile	22 (2.0) ⬤	
Georgia	21 (2.0) ⬤	
Morocco	19 (1.1) ⬤	
Turkey	18 (1.5) ⬤	
Lebanon	16 (1.7) ⬤	
Saudi Arabia	15 (1.9) ⬤	
Egypt	15 (1.2) ⬤	
Botswana (9)	13 (1.2) ⬤	
South Africa (9)	12 (1.1) ⬤	
Benchmarking Participants		
Norway (8)	61 (1.8) ⬤	
Quebec, Canada	61 (3.4) ⬤	
Ontario, Canada	55 (2.5) ⬤	
Dubai, UAE	53 (2.5) ⬤	
Florida, US	38 (3.2)	
Abu Dhabi, UAE	34 (2.0) ⬤	
Buenos Aires, Argentina	14 (1.7) ⬤	

⬆️ Percent significantly higher than international average

⬇️ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_12 (S062235): Negative effects of fertilizer Multiple Choice (Key is A)

Country	Percent Correct
Chinese Taipei	76 (1.5)
Slovenia	72 (2.1)
Korea, Rep. of	68 (2.0)
Hong Kong SAR	66 (2.4)
Hungary	63 (2.1)
Singapore	60 (1.7)
Lithuania	60 (2.4)
Malaysia	56 (1.9)
Israel	54 (1.9)
Botswana (9)	53 (1.7)
Oman	50 (1.9)
Canada	49 (2.1)
Russian Federation	49 (2.8)
United States	48 (1.6)
Turkey	46 (2.1)
Saudi Arabia	46 (2.8)
International Avg.	45 (0.3)
Italy	45 (2.2)
Bahrain	44 (2.1)
Sweden	42 (2.5)
Kazakhstan	42 (2.6)
United Arab Emirates	42 (1.1)
Thailand	42 (2.1)
Iran, Islamic Rep. of	42 (1.8)
Chile	41 (2.0)
Malta	41 (2.0)
Jordan	41 (2.0)
New Zealand	40 (2.3)
Australia	39 (1.6)
Ireland	38 (2.3)
Norway (9)	38 (2.0)
Japan	37 (1.9)
Morocco	36 (1.3)
Qatar	35 (2.1)
Kuwait	34 (2.2)
Georgia	32 (2.2)
Lebanon	29 (2.8)
Egypt	27 (1.8)
England	26 (1.8)
South Africa (9)	24 (1.4)
Benchmarking Participants	
Quebec, Canada	54 (3.3)
Ontario, Canada	49 (2.8)
Dubai, UAE	43 (2.8)
Abu Dhabi, UAE	41 (2.1)
Florida, US	39 (2.4)
Norway (8)	36 (1.9)
Buenos Aires, Argentina	25 (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_13 (S062180): Melting permafrost
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Singapore	84 (1.5)	
Chinese Taipei	79 (1.4)	
Hong Kong SAR	79 (1.8)	
Japan	78 (1.8)	
Korea, Rep. of	77 (1.6)	
England	74 (2.0)	
Ireland	74 (1.7)	
Lithuania	70 (2.2)	
United States	68 (1.4)	
Sweden	68 (2.5)	
Australia	67 (1.7)	
Canada	67 (1.7)	
New Zealand	65 (2.0)	
Norway (9)	65 (2.1)	
Botswana (9)	62 (1.6)	
Russian Federation	58 (2.6)	
Slovenia	57 (2.3)	
Malta	56 (2.3)	
International Avg.	54 (0.3)	
Italy	53 (2.2)	
Hungary	53 (2.2)	
Israel	52 (2.1)	
Oman	52 (1.6)	
Turkey	50 (2.1)	
Chile	49 (2.1)	
Qatar	48 (1.9)	
United Arab Emirates	48 (1.6)	
Malaysia	46 (1.4)	
Kazakhstan	46 (2.7)	
Bahrain	45 (2.0)	
Jordan	44 (2.2)	
Thailand	40 (2.1)	
Georgia	36 (2.7)	
Saudi Arabia	35 (2.2)	
Kuwait	32 (2.5)	
South Africa (9)	32 (1.7)	
Egypt	30 (1.5)	
Morocco	29 (1.3)	
Iran, Islamic Rep. of	28 (1.7)	
Lebanon	27 (2.3)	
Benchmarking Participants		
Ontario, Canada	68 (2.1)	
Quebec, Canada	63 (2.5)	
Florida, US	62 (2.9)	
Norway (8)	61 (2.2)	
Dubai, UAE	58 (2.8)	
Abu Dhabi, UAE	46 (2.4)	
Buenos Aires, Argentina	36 (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.

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_14 (S062022): Fresh water or salt water (DERIVED)
Constructed Response (1 Point)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
Russian Federation	65 (2.7) ▲	
Slovenia	63 (2.4) ▲	
New Zealand	57 (2.2) ▲	
United States	54 (1.5) ▲	
Japan	53 (1.9) ▲	
Chinese Taipei	53 (1.5) ▲	
Norway (9)	50 (2.1) ▲	
Italy	49 (2.3) ▲	
Chile	48 (2.1) ▲	
Canada	47 (1.8) ▲	
Hungary	47 (2.6) ▲	
Ireland	44 (1.9) ▲	
Singapore	44 (1.8) ▲	
Australia	42 (1.5) ▲	
Hong Kong SAR	42 (2.3) ▲	
Kazakhstan	42 (3.2)	
Lithuania	41 (2.7)	
Sweden	41 (3.1)	
International Avg.	38 (0.3)	
Thailand	37 (1.9)	
Oman	37 (1.9)	
Israel	37 (2.0)	
Malta	35 (1.7)	
Malaysia	35 (1.8)	
Korea, Rep. of	35 (2.3)	
Qatar	34 (1.7) ▽	
United Arab Emirates	34 (1.3) ▽	
Lebanon	33 (2.3) ▽	
England	30 (2.1) ▽	
Georgia	29 (2.6) ▽	
Kuwait	28 (2.6) ▽	
Bahrain	23 (1.9) ▽	
Morocco	23 (1.1) ▽	
Turkey	23 (1.6) ▽	
Jordan	23 (1.6) ▽	
Egypt	21 (1.5) ▽	
Iran, Islamic Rep. of	21 (1.7) ▽	
South Africa (9)	18 (1.2) ▽	
Saudi Arabia	18 (2.3) ▽	
Botswana (9)	9 (1.1) ▽	
Benchmarking Participants		
Norway (8)	51 (2.0) ▲	
Ontario, Canada	48 (2.3) ▲	
Quebec, Canada	45 (3.2) ▲	
Florida, US	41 (3.1)	
Dubai, UAE	39 (2.0)	
Abu Dhabi, UAE	28 (2.4) ▽	
Buenos Aires, Argentina	25 (2.3) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_14A (S062022A): Fresh water or salt water: snow cap
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEAs Trends in International Mathematics and Science Study – TIMSS 2015
Slovenia	93 (1.1) ▲	
Japan	93 (0.9) ▲	
Singapore	91 (1.1) ▲	
Lithuania	91 (1.5) ▲	
Chinese Taipei	91 (1.2) ▲	
Norway (9)	90 (1.5) ▲	
Italy	90 (1.4) ▲	
United States	88 (0.9) ▲	
Russian Federation	88 (1.4) ▲	
Hong Kong SAR	88 (1.6) ▲	
New Zealand	86 (1.2) ▲	
Sweden	85 (1.7) ▲	
Canada	84 (1.4) ▲	
Ireland	84 (1.7) ▲	
England	84 (1.9) ▲	
Kazakhstan	83 (1.9) ▲	
Australia	83 (1.4) ▲	
Turkey	82 (1.4) ▲	
Korea, Rep. of	82 (1.8) ▲	
Malta	82 (1.6) ▲	
Hungary	82 (1.7) ▲	
Malaysia	81 (1.4) ▲	
Chile	80 (2.0)	
International Avg.	78 (0.3)	
Iran, Islamic Rep. of	78 (2.1)	
Lebanon	77 (2.5)	
Israel	77 (1.8)	
United Arab Emirates	76 (1.0) ▽	
Georgia	75 (2.8)	
Thailand	73 (1.7) ▽	
Jordan	70 (2.1) ▽	
Kuwait	70 (2.2) ▽	
Qatar	70 (1.9) ▽	
Morocco	70 (1.5) ▽	
Oman	69 (1.5) ▽	
Bahrain	64 (1.9) ▽	
Egypt	57 (1.8) ▽	
Saudi Arabia	56 (2.7) ▽	
South Africa (9)	54 (1.6) ▽	
Botswana (9)	37 (1.7) ▽	
Benchmarking Participants		
Norway (8)	88 (1.2) ▲	
Quebec, Canada	87 (2.4) ▲	
Dubai, UAE	85 (1.3) ▲	
Ontario, Canada	82 (1.7) ▲	
Florida, US	80 (3.0)	
Abu Dhabi, UAE	71 (2.2) ▽	
Buenos Aires, Argentina	61 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_14B (S062022B): Fresh water or salt water: cloud
 Multiple Choice (Key is A)

Country	Percent Correct	SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015
New Zealand	80 (1.6) ▲	
Russian Federation	79 (2.3) ▲	
United States	76 (1.2) ▲	
Singapore	75 (1.4) ▲	
Australia	75 (1.8) ▲	
Canada	73 (1.4) ▲	
Slovenia	72 (2.2) ▲	
Chile	71 (1.8) ▲	
Thailand	70 (1.5) ▲	
Botswana (9)	70 (1.5) ▲	
Sweden	70 (2.2) ▲	
Israel	69 (1.8) ▲	
Ireland	69 (2.0) ▲	
Jordan	69 (1.8) ▲	
Japan	67 (1.8) ▲	
Norway (9)	67 (2.4) ▲	
United Arab Emirates	67 (1.1) ▲	
International Avg.	65 (0.3)	
Hungary	65 (2.4) ▲	
Chinese Taipei	64 (1.6) ▲	
Oman	64 (1.8) ▲	
England	63 (2.4) ▲	
Hong Kong SAR	63 (2.2) ▲	
Italy	63 (2.3) ▲	
Kazakhstan	62 (2.8) ▲	
Lithuania	62 (2.9) ▲	
Korea, Rep. of	62 (1.8) ▲	
Qatar	61 (1.8) ▽	
Kuwait	61 (2.4) ▲	
Bahrain	61 (2.1) ▽	
Lebanon	60 (2.3) ▽	
Malta	60 (2.2) ▽	
Saudi Arabia	60 (2.6) ▽	
Malaysia	59 (1.8) ▽	
Iran, Islamic Rep. of	59 (2.0) ▽	
Turkey	59 (2.1) ▽	
Morocco	56 (1.5) ▽	
Georgia	56 (2.9) ▽	
South Africa (9)	55 (1.8) ▽	
Egypt	46 (1.8) ▽	
Benchmarking Participants		
Ontario, Canada	75 (1.9) ▲	
Florida, US	69 (3.0) ▲	
Quebec, Canada	68 (2.3) ▲	
Dubai, UAE	66 (2.6) ▲	
Abu Dhabi, UAE	65 (1.8) ▲	
Norway (8)	63 (1.9) ▲	
Buenos Aires, Argentina	50 (2.4) ▽	

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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

TIMSS 2015 Percent Correct Statistics for Achievement Items

S14_14C (S062022C): Fresh water or salt water: river
 Multiple Choice (Key is A)

Country	Percent Correct	
Slovenia	89 (1.4)	
Chinese Taipei	88 (1.1)	
Italy	86 (1.6)	
Russian Federation	85 (1.8)	
Hungary	84 (2.2)	
Japan	84 (1.4)	
Norway (9)	81 (2.0)	
United States	79 (1.2)	
Hong Kong SAR	79 (1.6)	
Lithuania	78 (2.0)	
New Zealand	77 (1.8)	
Malaysia	76 (1.6)	
Chile	76 (1.9)	
Ireland	75 (1.8)	
Canada	75 (1.6)	
Oman	73 (1.7)	
Kazakhstan	72 (2.4)	
Malta	72 (1.7)	
International Avg.	70 (0.3)	
Thailand	70 (2.0)	
Bahrain	70 (1.8)	
Sweden	69 (2.2)	
Qatar	68 (1.6)	
United Arab Emirates	68 (1.4)	
Kuwait	68 (2.5)	
Saudi Arabia	68 (2.2)	
Egypt	67 (1.7)	
Korea, Rep. of	67 (1.7)	
Israel	67 (1.6)	
Australia	66 (1.6)	
England	64 (2.2)	
Lebanon	63 (2.3)	
Singapore	62 (1.6)	
Morocco	59 (1.4)	
Georgia	59 (2.8)	
Turkey	58 (2.1)	
South Africa (9)	56 (1.3)	
Iran, Islamic Rep. of	52 (2.3)	
Jordan	49 (1.6)	
Botswana (9)	45 (1.8)	
Benchmarking Participants		
Norway (8)	82 (1.6)	
Quebec, Canada	75 (2.7)	
Ontario, Canada	74 (2.0)	
Florida, US	73 (3.3)	
Dubai, UAE	72 (2.2)	
Abu Dhabi, UAE	64 (3.0)	
Buenos Aires, Argentina	57 (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_14D (S062022D): Fresh water or salt water: ocean
 Multiple Choice (Key is B)

Country	Percent Correct
Chinese Taipei	99 (0.5) ▲
Slovenia	97 (0.8) ▲
Japan	95 (0.6) ▲
United States	95 (0.6) ▲
Hong Kong SAR	95 (1.0) ▲
Singapore	94 (0.8) ▲
Russian Federation	94 (1.1) ▲
Lithuania	94 (1.1) ▲
Ireland	94 (1.1) ▲
Italy	93 (1.3) ▲
New Zealand	93 (1.0) ▲
Canada	93 (1.1) ▲
England	93 (1.3) ▲
Norway (9)	92 (1.0) ▲
Sweden	92 (1.4) ▲
Hungary	91 (1.5) ▲
Malta	91 (1.3) ▲
Chile	90 (1.2) ▲
Australia	90 (1.3) ▲
Malaysia	88 (1.1) ▲
International Avg.	85 (0.2)
Korea, Rep. of	85 (1.6)
United Arab Emirates	85 (0.9)
Thailand	84 (1.3)
Turkey	83 (1.4)
Israel	83 (1.6)
Iran, Islamic Rep. of	82 (1.8)
Oman	81 (1.7) ▽
Bahrain	81 (1.6) ▽
Kazakhstan	78 (2.3) ▽
Lebanon	78 (2.0) ▽
Georgia	77 (2.4) ▽
Saudi Arabia	77 (1.9) ▽
Qatar	76 (1.4) ▽
Morocco	75 (1.1) ▽
Kuwait	74 (1.8) ▽
Jordan	74 (1.7) ▽
South Africa (9)	70 (1.6) ▽
Botswana (9)	62 (1.6) ▽
Egypt	60 (1.7) ▽
Benchmarking Participants	
Ontario, Canada	93 (1.3) ▲
Dubai, UAE	92 (1.0) ▲
Quebec, Canada	92 (2.1) ▲
Norway (8)	92 (1.3) ▲
Florida, US	89 (2.4)
Abu Dhabi, UAE	78 (1.7) ▽
Buenos Aires, Argentina	67 (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

**S14_15 (S062243): Animals and habitat
Constructed Response (2 Points)**

Country	Percent Full Credit	Percent at Least 1 Point
Chinese Taipei	75 (2.0) ▲	90 (1.3) ▲
Japan	71 (1.6) ▲	87 (1.2) ▲
Korea, Rep. of	68 (2.2) ▲	83 (1.8) ▲
Hong Kong SAR	66 (2.2) ▲	83 (1.8) ▲
Slovenia	65 (2.1) ▲	78 (1.9) ▲
Ireland	63 (2.0) ▲	79 (1.9) ▲
England	62 (2.0) ▲	79 (1.8) ▲
United States	62 (1.5) ▲	79 (1.2) ▲
Singapore	60 (1.9) ▲	82 (1.4) ▲
Hungary	60 (2.4) ▲	76 (2.1) ▲
New Zealand	57 (1.8) ▲	76 (1.7) ▲
Sweden	57 (2.6) ▲	70 (2.6) ▲
Canada	56 (1.8) ▲	75 (1.6) ▲
Norway (9)	56 (2.5) ▲	74 (1.8) ▲
Australia	55 (2.1) ▲	75 (1.8) ▲
Lithuania	49 (2.5) ▲	69 (2.2) ▲
Russian Federation	49 (2.9) ▲	66 (2.6) ▲
Italy	41 (2.2)	68 (1.9) ▲
International Avg.	41 (0.3)	60 (0.3)
Israel	39 (2.1)	61 (2.2)
Turkey	38 (1.9)	59 (1.9)
Malta	37 (1.8) ▽	57 (1.7)
United Arab Emirates	35 (1.3) ▽	58 (1.4)
Malaysia	34 (1.9) ▽	62 (1.9)
Qatar	33 (1.7) ▽	57 (1.9)
Bahrain	32 (2.2) ▽	50 (2.3) ▽
Thailand	31 (2.0) ▽	58 (2.1)
Chile	31 (1.9) ▽	51 (2.4) ▽
Kazakhstan	27 (2.5) ▽	43 (2.5) ▽
Oman	22 (1.4) ▽	46 (1.6) ▽
Botswana (9)	20 (1.5) ▽	43 (1.8) ▽
Iran, Islamic Rep. of	20 (1.5) ▽	41 (2.4) ▽
Kuwait	17 (1.6) ▽	33 (1.9) ▽
South Africa (9)	16 (1.3) ▽	37 (1.7) ▽
Saudi Arabia	15 (1.9) ▽	39 (2.2) ▽
Lebanon	15 (1.7) ▽	39 (2.2) ▽
Georgia	15 (1.9) ▽	33 (2.7) ▽
Jordan	14 (1.4) ▽	37 (1.9) ▽
Morocco	10 (0.9) ▽	33 (1.4) ▽
Egypt	8 (1.0) ▽	20 (1.2) ▽
Benchmarking Participants		
Ontario, Canada	59 (2.0) ▲	76 (2.2) ▲
Norway (8)	51 (2.3) ▲	69 (2.0) ▲
Quebec, Canada	49 (3.1) ▲	71 (2.9) ▲
Dubai, UAE	48 (2.0) ▲	70 (1.7) ▲
Florida, US	48 (4.3)	68 (3.7) ▲
Abu Dhabi, UAE	31 (2.2) ▽	54 (2.5) ▽
Buenos Aires, Argentina	17 (2.0) ▽	38 (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

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