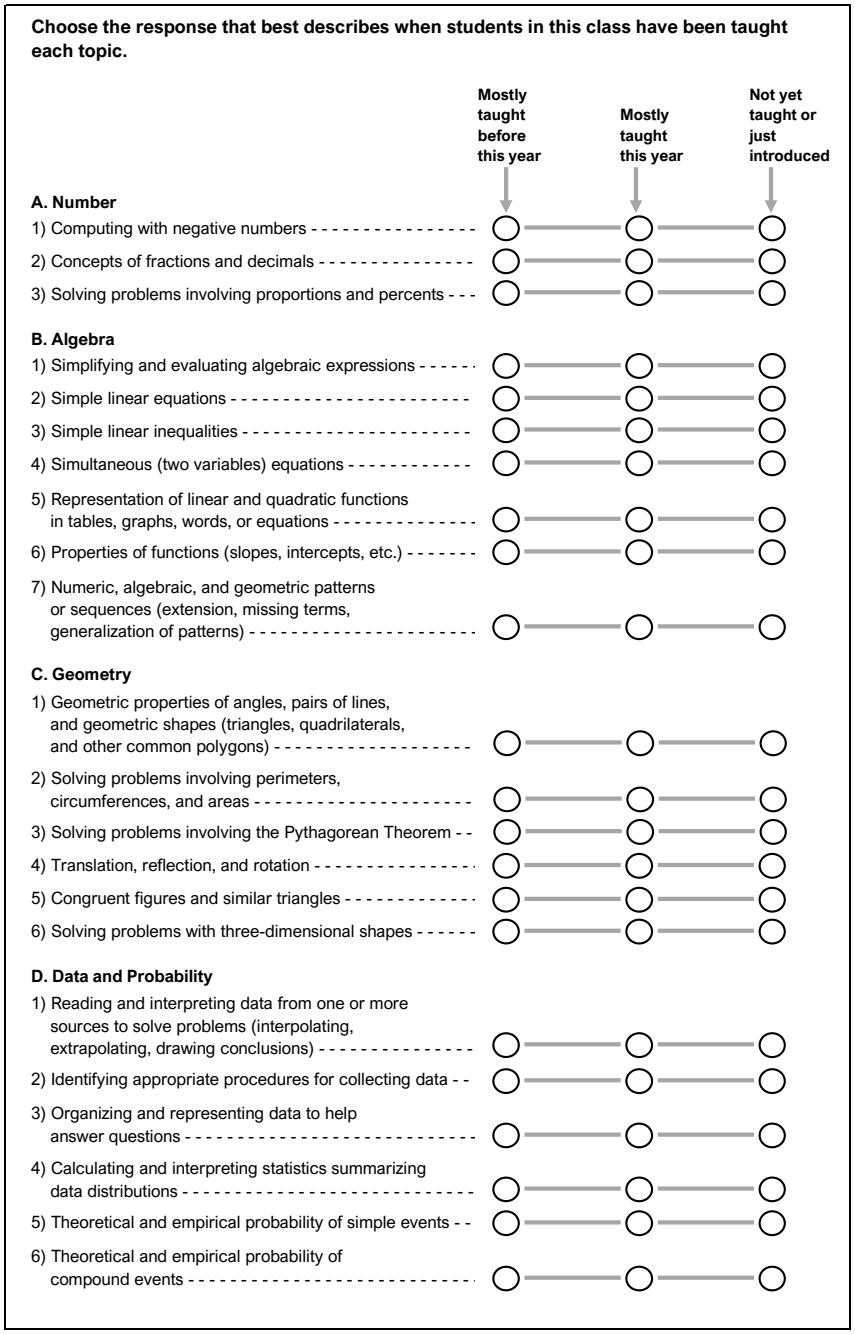
Exhibit 12.6: Percentages of Students Taught the TIMSS Mathematics Topics

Students' Results based on Teachers' Reports

About the Scale

Exhibit 12.7 reports the percentage of students whose teachers responded "mostly taught before this year" or "mostly taught this year," averaged across topics.



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2019

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Students' Results based on Teachers' Reports

The exhibit reports the percentage of students whose teachers responded "mostly taught before this year" or "mostly taught this year," averaged across topics.

Country	All Mathematics (22 Topics)	Number (3 Topics)	Algebra (7 Topics)	Geometry (6 Topics)	Data and Probability (6 Topics)
Australia	72 (1.2)	97 (0.7)	60 (1.5)	72 (1.3)	72 (2.1)
Bahrain	88 (0.4)	100 (0.0)	80 (0.8)	95 (0.3)	86 (0.8)
Chile	71 (1.4)	98 (0.7)	69 (1.7)	76 (2.3)	53 (2.7)
Chinese Taipei	62 (0.7)	99 (0.2)	85 (0.9)	72 (1.2)	7 (1.3)
Cyprus	s 62 (0.9)	s 97 (0.8)	s 67 (1.0)	s 60 (0.8)	s 40 (2.2)
Egypt	80 (0.8)	97 (1.0)	63 (1.4)	90 (0.9)	82 (1.4)
England	s 76 (1.8)	s 97 (1.1)	s 70 (2.3)	s 75 (2.7)	s 72 (3.0)
Finland	49 (0.9)	94 (0.9)	46 (1.1)	65 (1.5)	13 (2.0)
France	r 57 (0.8)	r 98 (0.7)	r 22 (1.0)	r 76 (1.4)	r 57 (2.0)
Georgia	65 (1.0)	100 (0.0)	66 (1.2)	66 (1.3)	47 (2.4)
Hong Kong SAR	70 (0.9)	100 (0.3)	65 (1.3)	82 (1.1)	49 (2.0)
Hungary	83 (0.9)	100 (0.0)	79 (0.9)	96 (0.8)	66 (2.4)
Iran, Islamic Rep. of	66 (1.0)	98 (0.6)	38 (1.3)	84 (1.2)	62 (2.5)
Ireland	68 (1.1)	99 (0.3)	73 (1.3)	49 (2.3)	66 (2.2)
Israel	80 (0.8)	98 (0.4)	88 (0.8)	76 (1.1)	65 (2.2)
Italy	65 (1.0)	99 (0.4)	34 (1.4)	89 (1.1)	60 (2.4)
Japan	79 (0.8)	100 (0.3)	80 (1.1)	73 (0.9)	72 (2.2)
Jordan	82 (1.0)	100 (0.4)	83 (1.2)	81 (1.5)	75 (2.1)
Kazakhstan	77 (1.1)	100 (0.0)	91 (1.1)	71 (1.6)	56 (2.2)
Korea, Rep. of	78 (0.6)	100 (0.2)	87 (0.8)	71 (0.9)	63 (1.7)
Kuwait	82 (0.7)	100 (0.0)	60 (1.4)	94 (0.8)	86 (1.2)
Lebanon	56 (1.1)	92 (1.0)	50 (1.4)	64 (1.3)	39 (2.8)
Lithuania	58 (0.8)	100 (0.3)	52 (1.3)	62 (1.2)	41 (2.1)
Malaysia	95 (0.7)	100 (0.0)	97 (0.7)	97 (0.8)	89 (1.9)
Morocco	56 (0.9)	97 (0.7)	50 (1.2)	57 (1.1)	41 (1.9)
New Zealand	60 (1.4)	94 (1.1)	52 (2.1)	52 (2.0)	59 (2.8)
Norway (9)	s 54 (1.3)	s 92 (1.5)	s 43 (2.2)	s 54 (1.7)	s 49 (2.8)
Oman	75 (0.7)	100 (0.3)	63 (1.0)	77 (1.1)	76 (1.4)
Portugal	70 (0.9)	100 (0.3)	60 (1.6)	90 (0.9)	46 (2.2)
Qatar	73 (1.4)	100 (0.1)	69 (1.8)	74 (2.2)	65 (2.6)
Romania	86 (0.9)	100 (0.0)	82 (1.1)	90 (0.8)	78 (2.1)
Russian Federation	65 (1.0)	100 (0.3)	78 (1.1)	71 (0.9)	28 (2.6)
Saudi Arabia	89 (0.7)	99 (0.7)	79 (1.4)	96 (0.8)	88 (1.3)
Singapore	85 (0.5)	99 (0.3)	93 (0.8)	85 (0.6)	70 (1.3)
South Africa (9)	76 (1.2)	97 (0.6)	78 (1.1)	86 (1.2)	54 (3.0)
Sweden	53 (1.2)	88 (1.5)	51 (1.8)	53 (1.4)	36 (2.6)
Turkey	81 (0.9)	100 (0.0)	79 (1.5)	63 (1.9)	91 (1.0)
United Arab Emirates	r 82 (0.5)	r 99 (0.2)	r 80 (0.7)	r 87 (0.4)	r 72 (1.1)
United States	83 (0.9)	100 (0.1)	87 (0.9)	84 (1.7)	68 (1.9)
International Average	**72 (0.2)**	**98 (0.1)**	**68 (0.2)**	**76 (0.2)**	**60 (0.3)**
Benchmarking Participants					
Ontario, Canada	r 76 (1.1)	r 92 (1.4)	r 62 (2.0)	r 86 (1.5)	r 75 (2.3)
Quebec, Canada	61 (1.2)	100 (0.3)	44 (1.5)	72 (1.3)	52 (3.4)
Moscow City, Russian Fed.	67 (0.9)	100 (0.0)	76 (1.1)	65 (1.1)	41 (2.6)
Gauteng, RSA (9)	79 (1.5)	98 (0.7)	79 (1.6)	88 (1.5)	59 (3.7)
Western Cape, RSA (9)	74 (1.5)	99 (0.6)	78 (1.5)	80 (1.6)	51 (3.8)
Abu Dhabi, UAE	r 82 (0.8)	r 99 (0.4)	r 81 (0.9)	r 89 (0.7)	r 66 (1.9)
Dubai, UAE	80 (0.8)	99 (0.1)	76 (1.5)	82 (0.7)	r 73 (1.4)

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.
An "r" indicates data are available for at least 70% but less than 85% of the students. An "s" indicates data are available for at least 50% but less than 70% of the students.

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2019
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