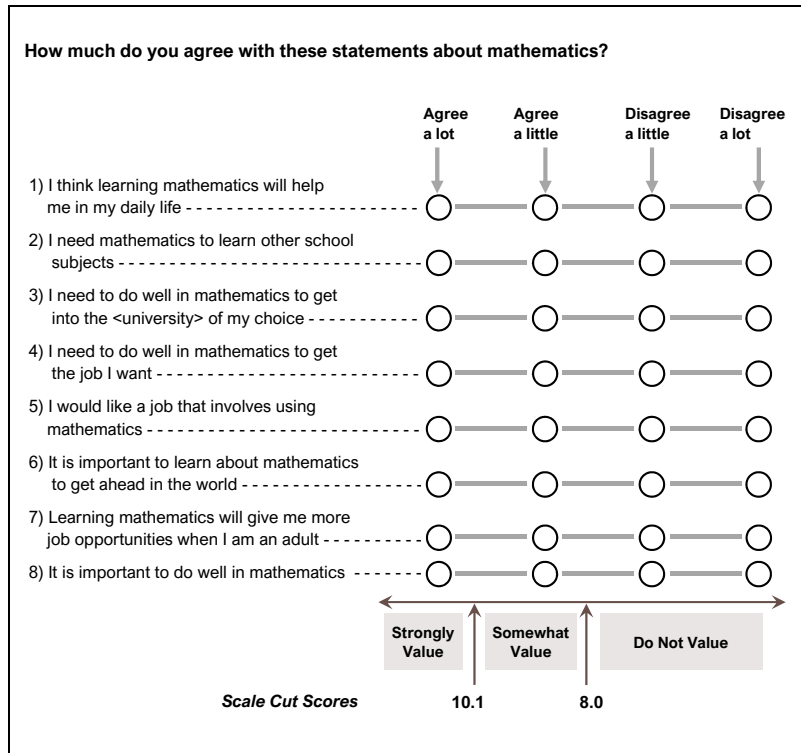


Exhibit 6.2.7: Students Value Mathematics

About the Scale

Students were scored according to their responses to eight statements on the *Students Value Mathematics* scale. Cut scores divide the scale into three categories. Students who **Strongly Value Mathematics** had a score at or above the cut score corresponding to “agreeing a lot” with four of the eight statements and “agreeing a little” with the other four, on average. Students who **Do Not Value Mathematics** had a score at or below the cut score corresponding to “disagreeing a little” with four of the eight statements and “agreeing a little” with the other four, on average. All other students **Somewhat Value Mathematics**.



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023  
 Downloaded from <https://timss2023.org/results>

## Exhibit 6.2.8: Students Value Mathematics

Country	Strongly Value Mathematics		Somewhat Value Mathematics		Do Not Value Mathematics		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Australia	29 (0.8)	542 (3.8)	45 (0.8)	513 (3.8)	26 (0.9)	485 (3.4)	9.1 (0.04)
Austria	12 (0.6)	522 (4.9)	43 (1.0)	514 (2.9)	45 (1.0)	513 (2.6)	8.3 (0.04)
Azerbaijan	52 (1.1)	499 (4.1)	34 (1.0)	479 (4.5)	14 (0.6)	464 (5.6)	10.1 (0.05)
Bahrain	42 (0.9)	449 (2.9)	35 (0.7)	434 (3.7)	23 (0.8)	401 (3.9)	9.6 (0.05)
Brazil	41 (0.9)	379 (2.8)	43 (0.8)	392 (2.6)	16 (0.7)	387 (6.6)	9.7 (0.04)
Chile	36 (1.0)	429 (3.7)	48 (0.8)	420 (3.2)	16 (0.8)	398 (4.6)	9.6 (0.04)
Chinese Taipei	18 (0.7)	642 (4.8)	41 (0.8)	620 (2.9)	41 (0.9)	569 (3.8)	8.4 (0.04)
Cote d'Ivoire	61 (1.4)	267 (5.0)	32 (1.1)	260 (5.2)	7 (0.5)	251 (8.1)	10.4 (0.06)
Cyprus	28 (0.8)	524 (4.9)	39 (0.9)	506 (3.6)	33 (0.9)	472 (2.7)	8.9 (0.04)
Czech Republic	14 (0.5)	536 (4.2)	52 (0.7)	524 (2.4)	34 (0.8)	505 (2.9)	8.6 (0.03)
England	29 (1.0)	549 (5.7)	46 (0.9)	534 (4.9)	26 (0.9)	503 (4.9)	9.1 (0.04)
Finland	17 (0.7)	538 (4.1)	46 (0.8)	516 (2.7)	37 (0.8)	485 (2.5)	8.5 (0.04)
France	23 (1.0)	500 (4.5)	48 (0.9)	487 (3.3)	28 (1.0)	464 (3.8)	8.9 (0.05)
Georgia	44 (1.2)	479 (3.5)	38 (1.0)	473 (4.1)	19 (0.8)	450 (4.1)	9.8 (0.05)
Hong Kong SAR	19 (0.9)	606 (7.5)	50 (0.9)	584 (6.0)	30 (1.1)	545 (5.1)	8.7 (0.05)
Hungary	24 (0.9)	533 (5.6)	47 (1.0)	506 (3.7)	29 (0.9)	488 (4.1)	8.9 (0.04)
Iran, Islamic Rep. of	42 (0.8)	429 (4.3)	36 (0.7)	424 (4.0)	21 (0.7)	414 (3.9)	9.6 (0.04)
Ireland	25 (0.9)	542 (4.6)	45 (1.1)	530 (2.3)	30 (1.3)	499 (4.5)	8.9 (0.04)
Israel	42 (1.1)	506 (5.4)	37 (0.7)	491 (3.7)	21 (0.8)	465 (4.6)	9.6 (0.05)
Italy	18 (0.8)	525 (5.1)	41 (0.9)	512 (3.0)	41 (1.1)	484 (3.4)	8.4 (0.05)
Japan	13 (0.7)	622 (5.4)	57 (0.9)	603 (3.3)	30 (0.9)	570 (3.2)	8.6 (0.03)
Jordan	53 (0.9)	401 (3.6)	31 (0.8)	386 (3.7)	16 (0.6)	380 (5.2)	10.1 (0.04)
Kazakhstan	26 (0.9)	468 (5.7)	46 (0.7)	455 (3.9)	28 (0.8)	446 (3.5)	9.1 (0.04)
Korea, Rep. of	23 (0.7)	635 (5.0)	49 (0.8)	604 (2.9)	28 (0.7)	551 (4.0)	8.9 (0.03)
Kuwait	38 (1.1)	414 (6.9)	39 (0.9)	404 (5.8)	23 (0.9)	379 (4.7)	9.4 (0.05)
Lithuania	22 (0.7)	538 (4.2)	46 (0.9)	521 (3.5)	32 (0.9)	495 (3.7)	8.8 (0.04)
Malaysia	35 (0.8)	431 (3.9)	50 (0.7)	409 (3.4)	15 (0.6)	374 (3.7)	9.5 (0.03)
Malta	31 (0.7)	519 (2.8)	42 (0.8)	508 (2.5)	27 (0.7)	487 (2.7)	9.1 (0.03)
Morocco	58 (0.8)	389 (3.3)	30 (0.7)	369 (3.6)	12 (0.5)	364 (4.6)	10.3 (0.04)
Norway (9)	22 (0.8)	529 (3.4)	47 (0.8)	514 (2.2)	31 (0.8)	479 (2.8)	8.8 (0.04)
Oman	46 (1.0)	432 (2.9)	37 (0.8)	411 (3.1)	16 (0.6)	384 (4.3)	9.8 (0.04)
Palestinian Nat'l Auth.	48 (0.9)	404 (3.0)	33 (0.7)	384 (3.7)	19 (0.6)	362 (3.9)	9.9 (0.05)
Portugal	27 (0.8)	499 (3.4)	43 (0.9)	481 (2.8)	30 (1.0)	449 (3.4)	9.0 (0.04)
Qatar	41 (1.3)	469 (5.7)	37 (1.0)	464 (4.3)	22 (1.1)	426 (5.1)	9.5 (0.07)
Romania	28 (1.2)	519 (6.2)	39 (1.1)	500 (5.4)	33 (1.3)	489 (5.5)	9.0 (0.06)
Saudi Arabia	50 (1.0)	412 (3.9)	35 (0.8)	403 (3.3)	15 (0.7)	380 (5.0)	10.0 (0.05)
Singapore	33 (1.0)	631 (6.0)	49 (0.9)	605 (6.1)	18 (0.7)	563 (7.4)	9.4 (0.04)
South Africa (9)	66 (0.7)	399 (3.2)	28 (0.6)	390 (4.0)	7 (0.3)	394 (6.7)	10.5 (0.03)
Sweden	19 (0.9)	546 (4.3)	49 (1.1)	531 (2.7)	33 (1.1)	501 (3.0)	8.7 (0.04)
Türkiye	38 (1.1)	539 (5.7)	38 (0.9)	505 (4.3)	24 (0.8)	470 (5.1)	9.4 (0.05)
United Arab Emirates	46 (0.5)	504 (2.4)	36 (0.4)	497 (1.7)	18 (0.4)	465 (2.3)	9.9 (0.02)
United States	28 (0.9)	509 (5.2)	47 (0.8)	494 (4.2)	25 (0.7)	472 (4.5)	9.1 (0.03)
Uzbekistan	71 (1.0)	430 (4.8)	23 (0.8)	412 (4.9)	7 (0.5)	401 (6.3)	11.1 (0.05)
<b>International Average</b>	<b>34 (0.1)</b>	<b>494 (0.7)</b>	<b>41 (0.1)</b>	<b>478 (0.6)</b>	<b>24 (0.1)</b>	<b>454 (0.7)</b>	
<b>Benchmarking Participants</b>							
Abu Dhabi, UAE	42 (0.9)	475 (3.4)	38 (0.7)	464 (2.8)	20 (0.6)	436 (3.3)	9.7 (0.04)
Dubai, UAE	43 (0.9)	566 (3.0)	39 (0.8)	548 (3.0)	18 (0.7)	513 (4.4)	9.8 (0.04)
Sharjah, UAE	51 (1.5)	503 (6.8)	34 (1.1)	501 (4.1)	15 (0.7)	471 (5.0)	10.1 (0.07)

This TIMSS context questionnaire scale was established in 2011 based on the combined response distribution of countries that participated in TIMSS 2011. To provide a point of reference for country comparisons, the scale centerpoint of 10 was located at the mean of the combined distribution. The units of the scale were chosen so that 2 scale score points corresponded to the standard deviation of the distribution.

( ) 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.