

Exhibit 10.6: Students Confident in Mathematics

Reported by Students

Students were scored according to their degree of agreement with nine statements on the *Students Confident in Mathematics* scale. Students **Very Confident in Mathematics** had a score on the scale of at least 12.1, which corresponds to their “agreeing a lot” with five of the nine statements and “agreeing a little” with the other four, on average. Students who were **Not Confident in Mathematics** had a score no higher than 9.5, which corresponds to their “disagreeing a little” with five of the nine statements and “agreeing a little” with the other four, on average. All other students were **Confident in Mathematics**.

Country	Very Confident in Mathematics		Confident in Mathematics		Not Confident in Mathematics		Average Scale Score	Difference in Average Scale Score from 2011
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement		
Canada	26 (0.7)	579 (2.1)	41 (0.8)	535 (2.3)	33 (0.9)	482 (2.2)	10.6 (0.04)	◇ ◇
Israel	24 (0.9)	569 (5.0)	44 (0.8)	512 (4.4)	32 (1.0)	470 (3.6)	10.7 (0.05)	-0.4 (0.07) ▼
Norway (9)	23 (0.8)	576 (2.7)	41 (0.9)	515 (2.4)	36 (1.1)	468 (2.3)	10.4 (0.05)	◇ ◇
United States	21 (0.7)	573 (3.5)	40 (0.6)	530 (3.0)	39 (0.9)	480 (2.9)	10.3 (0.05)	-0.2 (0.06) ▼
Hungary	19 (0.9)	597 (5.3)	39 (0.9)	528 (3.9)	42 (1.2)	465 (3.5)	10.2 (0.06)	0.4 (0.08) ▲
Italy	19 (0.7)	553 (2.9)	38 (1.0)	507 (3.0)	43 (1.2)	458 (2.9)	10.0 (0.05)	0.1 (0.07)
Sweden	18 (1.0)	570 (3.3)	41 (1.1)	514 (3.1)	41 (1.2)	459 (2.9)	10.2 (0.06)	-0.1 (0.07)
Lebanon	18 (1.1)	494 (6.0)	45 (1.0)	446 (4.1)	37 (1.0)	422 (4.5)	10.4 (0.05)	-0.1 (0.08)
Jordan	17 (0.7)	454 (4.9)	48 (0.8)	389 (3.3)	35 (0.8)	354 (3.5)	10.5 (0.04)	-0.3 (0.06) ▼
Oman	17 (0.6)	465 (3.9)	52 (0.7)	403 (2.4)	31 (0.7)	372 (2.8)	10.5 (0.03)	0.0 (0.05)
United Arab Emirates	17 (0.5)	536 (2.9)	50 (0.6)	467 (2.1)	33 (0.7)	429 (2.5)	10.4 (0.03)	-0.2 (0.04) ▼
Iran, Islamic Rep. of	16 (0.8)	512 (5.8)	42 (0.8)	444 (5.1)	42 (1.1)	400 (3.8)	10.2 (0.05)	-0.1 (0.07)
Ireland	16 (0.8)	583 (4.0)	42 (0.9)	534 (2.9)	43 (1.0)	492 (3.2)	10.0 (0.05)	◇ ◇
Kuwait	15 (1.0)	450 (7.1)	47 (0.9)	394 (5.2)	38 (1.4)	368 (5.3)	10.2 (0.06)	◇ ◇
Qatar	15 (0.6)	520 (4.7)	47 (0.8)	447 (3.4)	38 (0.9)	398 (3.3)	10.3 (0.04)	-0.2 (0.06) ▼
England	15 (0.8)	578 (5.4)	50 (1.0)	530 (4.2)	35 (1.4)	479 (4.2)	10.3 (0.06)	0.0 (0.09)
Australia	15 (0.7)	580 (3.6)	42 (0.7)	522 (3.4)	43 (0.9)	465 (2.5)	10.0 (0.04)	-0.2 (0.08)
Lithuania	15 (0.8)	589 (3.6)	45 (0.9)	525 (2.7)	40 (1.2)	468 (2.8)	10.2 (0.05)	0.3 (0.07) ▲
Bahrain	15 (0.5)	522 (3.7)	43 (0.9)	460 (2.2)	42 (1.1)	428 (2.3)	10.1 (0.04)	0.0 (0.05)
Egypt	15 (0.8)	467 (4.9)	51 (0.8)	393 (4.0)	34 (1.1)	364 (4.5)	10.4 (0.05)	◇ ◇
Kazakhstan	15 (0.8)	571 (6.7)	57 (1.0)	533 (5.6)	28 (1.3)	496 (5.9)	10.5 (0.05)	0.2 (0.08) ▲
Turkey	14 (0.7)	571 (5.7)	32 (0.8)	473 (6.4)	54 (1.1)	419 (3.7)	9.8 (0.05)	0.0 (0.07)
Malta	13 (0.5)	571 (3.2)	37 (0.6)	506 (2.1)	49 (0.7)	468 (1.7)	9.7 (0.03)	◇ ◇
Singapore	13 (0.5)	675 (3.0)	41 (0.7)	642 (2.8)	46 (0.8)	588 (4.0)	9.7 (0.04)	-0.2 (0.05) ▼
Saudi Arabia	12 (0.9)	433 (7.8)	50 (1.3)	373 (4.4)	37 (1.5)	342 (5.4)	10.2 (0.05)	-0.4 (0.09) ▼
Russian Federation	12 (0.6)	602 (5.0)	42 (0.9)	558 (5.2)	46 (1.1)	503 (4.8)	9.8 (0.04)	-0.1 (0.06)
New Zealand	12 (0.6)	576 (4.6)	43 (0.7)	509 (3.7)	44 (0.8)	456 (3.2)	9.9 (0.04)	-0.2 (0.07)
Georgia	12 (0.8)	533 (5.1)	44 (1.0)	473 (3.9)	44 (1.1)	415 (4.1)	10.0 (0.05)	-0.1 (0.06)
Chile	12 (0.7)	506 (4.5)	36 (0.9)	441 (3.7)	52 (1.1)	401 (3.2)	9.7 (0.05)	0.2 (0.06) ▲
Slovenia	12 (0.5)	586 (3.7)	44 (0.9)	535 (2.3)	44 (0.9)	479 (2.6)	9.9 (0.03)	-0.1 (0.05)
Hong Kong SAR	10 (0.5)	660 (4.3)	36 (0.8)	611 (5.4)	54 (0.9)	571 (4.5)	9.4 (0.05)	0.2 (0.06) ▲
South Africa (9)	10 (0.6)	448 (7.5)	43 (0.9)	375 (4.6)	48 (1.1)	359 (4.8)	9.8 (0.04)	-0.2 (0.05) ▼
Chinese Taipei	9 (0.4)	688 (3.7)	30 (0.7)	647 (3.3)	60 (0.9)	562 (2.6)	9.1 (0.04)	0.5 (0.07) ▲
Morocco	9 (0.4)	467 (3.7)	50 (0.7)	391 (2.4)	41 (0.7)	361 (2.6)	10.0 (0.02)	-0.2 (0.04) ▼
Botswana (9)	8 (0.4)	475 (4.6)	45 (0.8)	396 (2.4)	47 (0.9)	381 (2.4)	9.8 (0.03)	0.0 (0.05)
Korea, Rep. of	8 (0.4)	687 (4.9)	38 (0.7)	643 (2.8)	55 (0.8)	569 (2.7)	9.4 (0.03)	0.4 (0.04) ▲
Japan	5 (0.3)	676 (5.3)	32 (0.8)	625 (2.9)	63 (0.9)	561 (2.2)	9.0 (0.04)	0.4 (0.05) ▲
Malaysia	4 (0.2)	568 (6.6)	42 (0.9)	485 (4.2)	54 (0.9)	444 (3.5)	9.5 (0.03)	0.2 (0.04) ▲
Thailand	3 (0.3)	560 (13.9)	29 (0.9)	456 (6.3)	69 (1.0)	416 (4.2)	9.1 (0.04)	-0.2 (0.05) ▼
International Avg.	14 (0.1)	554 (0.8)	43 (0.1)	494 (0.6)	43 (0.2)	449 (0.6)		

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

This TIMSS questionnaire scale was established in 2011 based on the combined response distribution of all 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.

A diamond (◇) indicates the country did not participate in the 2011 assessment.

Significantly higher than 2011 ▲
Significantly lower than 2011 ▼

