

**Exhibit 6.11: Students' Sense of School Belonging**

Reported by Students

Students were scored according to their agreement to seven statements about their *Sense of School Belonging*. Students with a **High Sense of School Belonging** had a score on the scale of at least 10.3, which corresponds to their "agreeing a lot" to four of the seven statements and "agreeing a little" to each of the other three statements, on average. Students with **Little Sense of School Belonging** had a score no higher than 7.5, which corresponds to their "disagreeing a little" to four of the seven statements and "agreeing a little" to each of the other three statements, on average. All other students had a **Sense of School Belonging**.

Country	High Sense of School Belonging		Sense of School Belonging		Little Sense of School Belonging		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Morocco	73 (0.9)	396 (2.3)	24 (0.8)	390 (3.8)	3 (0.3)	379 (7.7)	11.3 (0.05)
Jordan	66 (1.1)	431 (3.5)	28 (0.8)	429 (4.5)	6 (0.5)	410 (9.8)	11.0 (0.06)
Kazakhstan	66 (1.4)	537 (4.8)	33 (1.3)	525 (5.4)	1 (0.2)	~ ~	11.1 (0.06)
Egypt	63 (1.3)	380 (4.4)	30 (1.1)	363 (5.8)	7 (0.5)	363 (8.2)	10.9 (0.07)
Oman	62 (0.9)	464 (2.7)	33 (0.8)	447 (3.3)	5 (0.5)	427 (8.8)	10.8 (0.04)
South Africa (9)	60 (1.1)	362 (5.7)	36 (0.9)	355 (7.4)	4 (0.3)	369 (12.0)	10.7 (0.05)
Turkey	59 (1.1)	494 (4.2)	35 (0.9)	493 (4.8)	6 (0.4)	496 (7.5)	10.6 (0.05)
Thailand	58 (1.2)	456 (4.2)	40 (1.2)	458 (5.1)	2 (0.2)	~ ~	10.6 (0.05)
Kuwait	53 (1.5)	417 (5.8)	39 (1.2)	410 (6.9)	8 (0.6)	382 (9.6)	10.3 (0.07)
Botswana (9)	53 (0.8)	414 (2.5)	42 (0.8)	378 (4.0)	5 (0.4)	366 (10.8)	10.4 (0.03)
Lebanon	53 (1.3)	407 (5.6)	40 (1.2)	395 (5.8)	8 (0.5)	377 (9.1)	10.4 (0.06)
Norway (9)	52 (1.5)	520 (3.0)	41 (1.2)	503 (3.2)	7 (0.5)	467 (6.4)	10.4 (0.06)
Chile	50 (1.6)	461 (4.0)	39 (1.1)	452 (3.4)	11 (0.7)	434 (4.5)	10.2 (0.08)
Saudi Arabia	49 (1.5)	405 (5.1)	41 (1.2)	399 (5.2)	10 (0.8)	364 (8.3)	10.2 (0.06)
Israel	49 (1.4)	512 (4.3)	41 (1.0)	510 (4.1)	10 (0.7)	478 (7.1)	10.2 (0.07)
Malaysia	46 (1.3)	482 (4.3)	50 (1.1)	468 (4.5)	4 (0.5)	384 (12.1)	10.1 (0.05)
Iran, Islamic Rep. of	45 (1.3)	456 (5.4)	47 (1.1)	458 (3.6)	7 (0.5)	449 (6.2)	10.0 (0.05)
Canada	45 (1.1)	538 (2.2)	48 (0.9)	523 (2.3)	7 (0.5)	499 (3.5)	10.1 (0.05)
Georgia	44 (1.0)	453 (3.8)	51 (1.0)	440 (3.8)	5 (0.5)	424 (8.1)	10.1 (0.05)
New Zealand	43 (1.2)	528 (3.9)	49 (1.0)	509 (3.4)	8 (0.5)	474 (5.5)	10.0 (0.04)
Ireland	42 (1.3)	545 (2.8)	48 (1.0)	525 (3.1)	10 (0.7)	492 (6.8)	9.9 (0.06)
Bahrain	41 (0.8)	483 (3.0)	46 (0.9)	466 (3.2)	13 (1.0)	433 (6.3)	9.8 (0.05)
Australia	41 (1.1)	535 (2.9)	48 (0.9)	506 (2.3)	11 (0.5)	465 (5.1)	9.8 (0.05)
Qatar	39 (1.3)	483 (3.3)	46 (1.2)	454 (3.7)	15 (0.6)	409 (4.5)	9.7 (0.05)
Lithuania	38 (1.4)	521 (4.2)	54 (1.2)	520 (2.9)	8 (0.7)	505 (6.7)	9.8 (0.05)
United States	37 (0.9)	548 (3.3)	49 (0.7)	526 (2.8)	14 (0.6)	501 (3.6)	9.6 (0.05)
Singapore	37 (0.7)	614 (3.2)	55 (0.7)	591 (3.5)	9 (0.4)	564 (6.4)	9.8 (0.03)
Russian Federation	36 (1.2)	547 (5.6)	55 (1.1)	544 (4.2)	9 (0.6)	536 (5.5)	9.7 (0.05)
England	35 (1.3)	560 (4.1)	54 (1.0)	532 (3.9)	11 (0.6)	497 (6.3)	9.6 (0.05)
Sweden	35 (1.4)	539 (4.5)	56 (1.3)	519 (3.4)	9 (0.6)	489 (6.5)	9.7 (0.06)
Malta	33 (0.8)	510 (2.9)	51 (0.8)	480 (2.2)	16 (0.6)	437 (5.1)	9.5 (0.03)
Hong Kong SAR	31 (1.6)	562 (4.4)	55 (1.3)	542 (3.8)	14 (0.8)	525 (6.4)	9.4 (0.07)
Hungary	30 (1.2)	541 (5.2)	57 (1.0)	524 (3.6)	13 (0.7)	511 (4.3)	9.4 (0.06)
United Arab Emirates	29 (0.8)	520 (3.8)	44 (0.7)	472 (2.3)	27 (0.7)	441 (3.3)	9.1 (0.04)
Japan	27 (1.1)	579 (2.9)	60 (0.9)	570 (1.8)	13 (0.7)	558 (4.3)	9.4 (0.05)
Italy	27 (0.9)	502 (3.8)	61 (0.8)	500 (2.6)	12 (0.8)	486 (4.3)	9.3 (0.04)
Chinese Taipei	27 (0.9)	584 (3.0)	63 (0.7)	567 (2.0)	10 (0.5)	545 (5.1)	9.4 (0.04)
Korea, Rep. of	24 (0.9)	565 (3.6)	69 (0.8)	555 (2.1)	7 (0.5)	526 (5.3)	9.4 (0.04)
Slovenia	12 (0.7)	564 (4.9)	66 (0.9)	555 (2.6)	22 (1.0)	533 (3.1)	8.5 (0.04)
International Avg.	44 (0.2)	498 (0.6)	47 (0.2)	483 (0.6)	9 (0.1)	459 (1.1)	

This TIMSS questionnaire scale was established in 2015 based on the combined response distribution of all countries that participated in TIMSS 2015. 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.

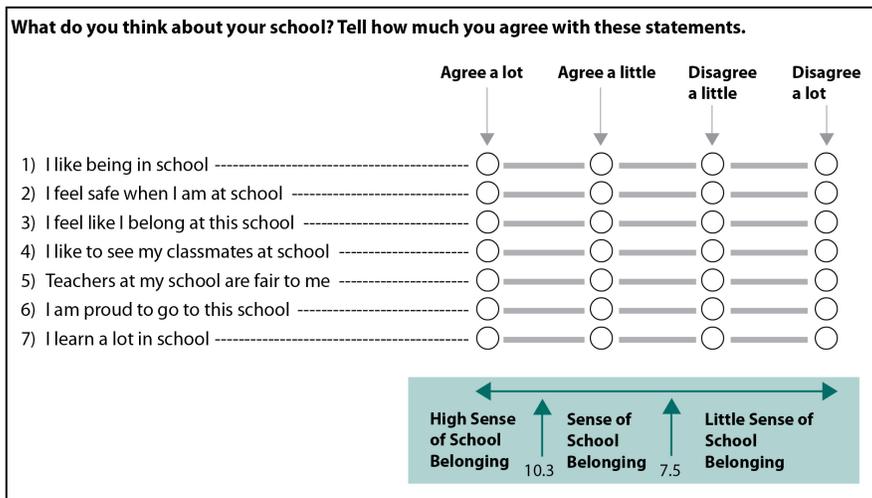
( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A tilde (~) indicates insufficient data to report achievement.

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

**Exhibit 6.11: Students' Sense of School Belonging (Continued)**

Country	High Sense of School Belonging		Sense of School Belonging		Little Sense of School Belonging		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
<b>Benchmarking Participants</b>							
Norway (8)	61 (1.4)	496 (2.5)	33 (1.2)	485 (3.2)	5 (0.5)	442 (6.6)	10.8 (0.06)
Buenos Aires, Argentina	52 (1.4)	395 (5.5)	40 (1.1)	381 (5.5)	8 (0.7)	365 (8.7)	10.3 (0.06)
Ontario, Canada	48 (1.6)	535 (2.6)	44 (1.3)	521 (2.7)	8 (0.8)	494 (4.5)	10.2 (0.07)
Dubai, UAE	44 (0.7)	550 (3.1)	43 (0.7)	518 (2.3)	13 (0.3)	465 (4.6)	10.0 (0.03)
Quebec, Canada	38 (1.4)	546 (4.3)	58 (1.3)	525 (4.3)	5 (0.4)	506 (6.9)	9.8 (0.05)
Florida, US	27 (2.0)	526 (7.8)	52 (1.3)	513 (5.6)	21 (1.6)	479 (7.6)	9.1 (0.09)
Abu Dhabi, UAE	21 (2.0)	495 (12.4)	42 (1.3)	455 (5.7)	36 (1.6)	433 (4.7)	8.7 (0.10)



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