

Exhibit 6.1.1: Students' Sense of School Belonging

Students' Reports

About the Scale

Students were scored according to their responses to seven statements on the *Sense of School Belonging* scale. Cut scores divide the scale into three categories. Students with a **High Sense of School Belonging** had a score at or above the cut score corresponding to “agreeing a lot” with four of the seven statements and “agreeing a little” with the other three statements, on average. Students with **Little Sense of School Belonging** had a score at or below the cut score corresponding to “disagreeing a little” to four of the seven statements and “agreeing a little” with the other three statements, on average. All other students had **Some Sense of School Belonging**.

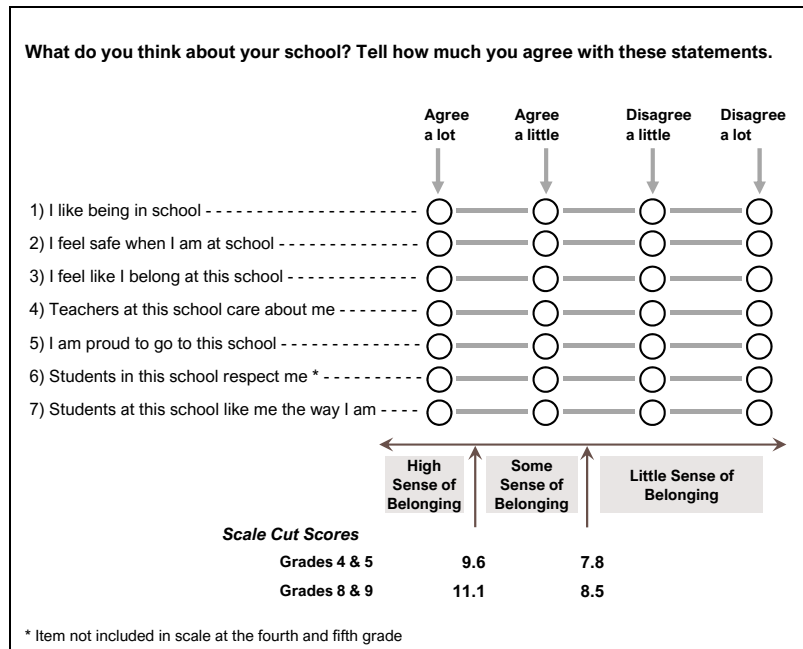


Exhibit 6.1.2a: Students' Sense of School Belonging and Growth in Achievement

Students' Reports in 2024

Country		High Sense of School Belonging		Some Sense of School Belonging		Little Sense of School Belonging	
		Percent of Students	Average Growth	Percent of Students	Average Growth	Percent of Students	Average Growth
Georgia	r	59 (1.3)	25 (4.0)	31 (1.0)	19 (3.1)	10 (0.6)	21 (5.4)
Italy		46 (1.4)	38 (2.1)	39 (1.1)	40 (2.6)	14 (0.9)	36 (4.1)
Jordan	r	61 (1.8)	13 (4.5)	24 (1.1)	10 (5.1)	16 (1.3)	7 (6.5)
Korea, Rep. of	r	56 (1.0)	40 (1.9)	34 (0.9)	44 (1.9)	10 (0.6)	38 (3.7)
Kosovo		81 (1.0)	18 (2.3)	15 (0.8)	16 (3.9)	4 (0.4)	13 (6.7)
Montenegro		58 (1.0)	21 (1.8)	29 (0.9)	20 (3.1)	12 (0.7)	13 (4.1)
North Macedonia	r	73 (0.8)	20 (2.5)	21 (0.7)	14 (3.4)	6 (0.5)	5 (6.0)
Slovenia		33 (1.2)	43 (2.0)	47 (1.1)	45 (2.3)	21 (1.0)	38 (2.5)
Sweden		39 (1.3)	32 (1.6)	41 (1.0)	30 (2.0)	21 (1.1)	23 (2.2)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

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

Exhibit 6.1.2b: Students' Sense of School Belonging and Average Achievement
Students' Reports in 2023 and 2024

Country	High Sense of School Belonging		Some 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	
Georgia							
Grade 4	75 (1.1)	506 (3.2)	21 (1.0)	493 (4.8)	4 (0.4)	482 (10.0)	10.9 (0.06)
Grade 5	59 (1.3)	528 (3.9)	31 (1.0)	515 (3.6)	10 (0.6)	507 (5.0)	10.1 (0.05)
Italy							
Grade 4	52 (1.3)	521 (2.9)	36 (0.9)	513 (3.8)	13 (0.9)	492 (5.6)	9.7 (0.06)
Grade 5	46 (1.4)	559 (3.1)	39 (1.1)	554 (3.3)	14 (0.9)	530 (6.1)	9.5 (0.05)
Jordan							
Grade 4	68 (1.5)	438 (6.0)	21 (1.0)	424 (6.6)	11 (0.8)	403 (8.3)	10.7 (0.08)
Grade 5	61 (1.8)	446 (5.3)	24 (1.1)	429 (6.2)	16 (1.3)	430 (7.1)	10.2 (0.09)
Korea, Rep. of							
Grade 4	56 (1.1)	604 (2.9)	34 (0.9)	586 (3.0)	10 (0.6)	578 (5.6)	10.0 (0.04)
Grade 5	56 (1.0)	642 (3.1)	34 (0.9)	630 (3.1)	10 (0.6)	613 (5.2)	10.1 (0.04)
Kosovo							
Grade 4	87 (0.9)	457 (3.2)	10 (0.7)	445 (6.2)	3 (0.4)	408 (11.9)	11.5 (0.04)
Grade 5	81 (1.0)	475 (3.4)	15 (0.8)	466 (6.1)	4 (0.4)	447 (9.8)	11.2 (0.05)
Montenegro							
Grade 4	71 (0.9)	483 (1.9)	22 (0.7)	474 (3.3)	7 (0.4)	461 (5.1)	10.7 (0.04)
Grade 5	58 (1.0)	504 (2.1)	29 (0.9)	493 (2.6)	12 (0.7)	483 (4.4)	10.0 (0.04)
North Macedonia							
Grade 4	79 (0.8)	484 (3.2)	16 (0.7)	471 (5.1)	4 (0.4)	441 (8.4)	11.2 (0.04)
Grade 5	73 (0.8)	503 (3.5)	21 (0.7)	484 (5.4)	6 (0.5)	465 (7.1)	10.8 (0.04)
Slovenia							
Grade 4	40 (1.1)	516 (2.6)	45 (0.9)	519 (2.2)	16 (0.8)	506 (3.7)	9.3 (0.04)
Grade 5	33 (1.2)	561 (3.0)	47 (1.1)	560 (2.4)	21 (1.0)	547 (3.1)	9.0 (0.05)
Sweden							
Grade 4	51 (1.4)	540 (3.0)	36 (1.0)	528 (2.7)	13 (0.7)	509 (5.9)	9.7 (0.05)
Grade 5	39 (1.3)	572 (3.4)	41 (1.0)	563 (2.8)	21 (1.1)	545 (4.1)	9.2 (0.05)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

Exhibit 6.1.3a: Students’ Sense of School Belonging and Growth in Achievement
Students’ Reports in 2024

Country		High Sense of School Belonging		Some Sense of School Belonging		Little Sense of School Belonging	
		Percent of Students	Average Growth	Percent of Students	Average Growth	Percent of Students	Average Growth
Georgia	r	59 (1.3)	25 (3.0)	31 (1.0)	19 (3.1)	10 (0.6)	21 (5.7)
Italy		46 (1.4)	32 (2.7)	39 (1.1)	35 (1.8)	14 (0.9)	26 (3.9)
Jordan	r	61 (1.8)	22 (5.6)	24 (1.1)	17 (5.3)	16 (1.3)	16 (6.2)
Korea, Rep. of	r	56 (1.0)	32 (1.9)	34 (0.9)	38 (2.1)	10 (0.6)	35 (3.7)
Kosovo		81 (1.0)	20 (2.2)	15 (0.8)	17 (3.6)	4 (0.4)	11 (7.2)
Montenegro		58 (1.0)	21 (1.7)	29 (0.9)	22 (2.9)	12 (0.7)	15 (3.7)
North Macedonia	r	73 (0.8)	12 (2.6)	21 (0.7)	12 (2.9)	6 (0.5)	8 (7.5)
Slovenia		33 (1.2)	36 (2.3)	47 (1.1)	41 (2.1)	21 (1.0)	33 (2.6)
Sweden		39 (1.3)	30 (2.3)	41 (1.0)	29 (2.1)	21 (1.1)	25 (4.0)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

Exhibit 6.1.3b: Students' Sense of School Belonging and Average Achievement
Students' Reports in 2023 and 2024

Country	High Sense of School Belonging		Some 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	
Georgia							
Grade 4	75 (1.1)	473 (3.2)	21 (1.0)	458 (4.3)	4 (0.4)	452 (11.5)	10.9 (0.06)
Grade 5	59 (1.3)	495 (3.6)	31 (1.0)	481 (3.9)	10 (0.6)	474 (5.2)	10.1 (0.05)
Italy							
Grade 4	52 (1.3)	514 (2.6)	36 (0.9)	511 (3.1)	13 (0.9)	499 (5.6)	9.7 (0.06)
Grade 5	46 (1.4)	549 (2.8)	39 (1.1)	546 (3.0)	14 (0.9)	525 (6.6)	9.5 (0.05)
Jordan							
Grade 4	68 (1.5)	430 (5.3)	21 (1.0)	410 (6.5)	11 (0.8)	384 (9.4)	10.7 (0.08)
Grade 5	61 (1.8)	444 (5.9)	24 (1.1)	430 (6.3)	16 (1.3)	427 (7.3)	10.2 (0.09)
Korea, Rep. of							
Grade 4	56 (1.1)	590 (2.9)	34 (0.9)	576 (3.4)	10 (0.6)	570 (6.2)	10.0 (0.04)
Grade 5	56 (1.0)	619 (2.5)	34 (0.9)	615 (2.9)	10 (0.6)	604 (4.5)	10.1 (0.04)
Kosovo							
Grade 4	87 (0.9)	410 (3.2)	10 (0.7)	399 (6.1)	3 (0.4)	366 (13.1)	11.5 (0.04)
Grade 5	81 (1.0)	430 (3.1)	15 (0.8)	426 (6.2)	4 (0.4)	408 (9.1)	11.2 (0.05)
Montenegro							
Grade 4	71 (0.9)	469 (1.9)	22 (0.7)	459 (3.5)	7 (0.4)	444 (4.9)	10.7 (0.04)
Grade 5	58 (1.0)	489 (2.2)	29 (0.9)	479 (2.7)	12 (0.7)	471 (4.7)	10.0 (0.04)
North Macedonia							
Grade 4	79 (0.8)	451 (3.3)	16 (0.7)	438 (5.1)	4 (0.4)	401 (8.8)	11.2 (0.04)
Grade 5	73 (0.8)	461 (3.4)	21 (0.7)	446 (4.9)	6 (0.5)	433 (8.6)	10.8 (0.04)
Slovenia							
Grade 4	40 (1.1)	531 (2.8)	45 (0.9)	528 (2.2)	16 (0.8)	514 (3.9)	9.3 (0.04)
Grade 5	33 (1.2)	569 (3.0)	47 (1.1)	569 (2.2)	21 (1.0)	551 (2.8)	9.0 (0.05)
Sweden							
Grade 4	51 (1.4)	545 (3.7)	36 (1.0)	529 (3.3)	13 (0.7)	501 (6.8)	9.7 (0.05)
Grade 5	39 (1.3)	571 (3.8)	41 (1.0)	565 (3.5)	21 (1.1)	546 (5.1)	9.2 (0.05)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

Exhibit 6.1.4a: Students’ Sense of School Belonging and Growth in Achievement
Students’ Reports in 2024

Country		High Sense of School Belonging		Some Sense of School Belonging		Little Sense of School Belonging	
		Percent of Students	Average Growth	Percent of Students	Average Growth	Percent of Students	Average Growth
Jordan	r	39 (1.1)	20 (3.7)	39 (0.8)	20 (3.1)	21 (1.1)	10 (3.9)
Korea, Rep. of		37 (1.0)	10 (2.2)	51 (0.9)	8 (1.9)	12 (0.6)	3 (3.8)
Sweden	r	25 (1.0)	12 (2.5)	55 (1.1)	15 (1.6)	19 (1.0)	10 (2.7)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

Exhibit 6.1.4b: Students' Sense of School Belonging and Average Achievement

Students' Reports in 2023 and 2024

Country	High Sense of School Belonging		Some 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	
Jordan							
Grade 8	50 (1.1)	396 (3.6)	36 (0.8)	389 (4.0)	14 (0.8)	388 (4.7)	10.9 (0.06)
Grade 9	39 (1.1)	408 (4.1)	39 (0.8)	411 (3.7)	21 (1.1)	400 (4.3)	10.4 (0.07)
Korea, Rep. of							
Grade 8	36 (1.0)	611 (3.7)	51 (0.9)	593 (3.1)	13 (0.7)	569 (5.5)	10.5 (0.04)
Grade 9	37 (1.0)	615 (3.8)	51 (0.9)	606 (3.1)	12 (0.6)	579 (5.8)	10.6 (0.04)
Sweden							
Grade 8	23 (0.9)	532 (4.1)	54 (0.8)	524 (2.6)	23 (0.8)	503 (3.7)	9.8 (0.04)
Grade 9	25 (1.0)	545 (5.1)	55 (1.1)	542 (3.1)	19 (1.0)	514 (4.5)	10.0 (0.05)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

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

Exhibit 6.1.5a: Students’ Sense of School Belonging and Growth in Achievement

Students’ Reports in 2024

Country		High Sense of School Belonging		Some Sense of School Belonging		Little Sense of School Belonging	
		Percent of Students	Average Growth	Percent of Students	Average Growth	Percent of Students	Average Growth
Jordan	r	39 (1.1)	9 (3.2)	39 (0.8)	12 (3.2)	21 (1.1)	2 (3.9)
Korea, Rep. of		37 (1.0)	10 (2.1)	51 (0.9)	8 (1.7)	12 (0.6)	6 (2.8)
Sweden	r	25 (1.0)	9 (2.7)	55 (1.1)	10 (1.7)	19 (1.0)	3 (3.5)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

Exhibit 6.1.5b: Students' Sense of School Belonging and Average Achievement
Students' Reports in 2023 and 2024

Country	High Sense of School Belonging		Some 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	
Jordan							
Grade 8	50 (1.1)	423 (4.0)	36 (0.8)	414 (4.0)	14 (0.8)	415 (4.4)	10.9 (0.06)
Grade 9	39 (1.1)	425 (3.7)	39 (0.8)	430 (4.0)	21 (1.1)	417 (4.8)	10.4 (0.07)
Korea, Rep. of							
Grade 8	36 (1.0)	558 (2.9)	51 (0.9)	543 (2.4)	13 (0.7)	522 (4.5)	10.5 (0.04)
Grade 9	37 (1.0)	562 (3.2)	51 (0.9)	556 (2.7)	12 (0.6)	537 (5.4)	10.6 (0.04)
Sweden							
Grade 8	23 (0.9)	533 (4.6)	54 (0.8)	528 (3.4)	23 (0.8)	505 (4.2)	9.8 (0.04)
Grade 9	25 (1.0)	542 (5.5)	55 (1.1)	540 (3.4)	19 (1.0)	513 (5.2)	10.0 (0.05)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.