

Exhibit 6.2.4: Students Confident in Mathematics

Students' Reports

About the Scale

Students were scored according to their responses to eight statements on the *Students Confident in Mathematics* scale. Cut scores divide the scale into three categories. Students **Very Confident in 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 were **Not Confident in 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 were **Somewhat Confident in Mathematics**.

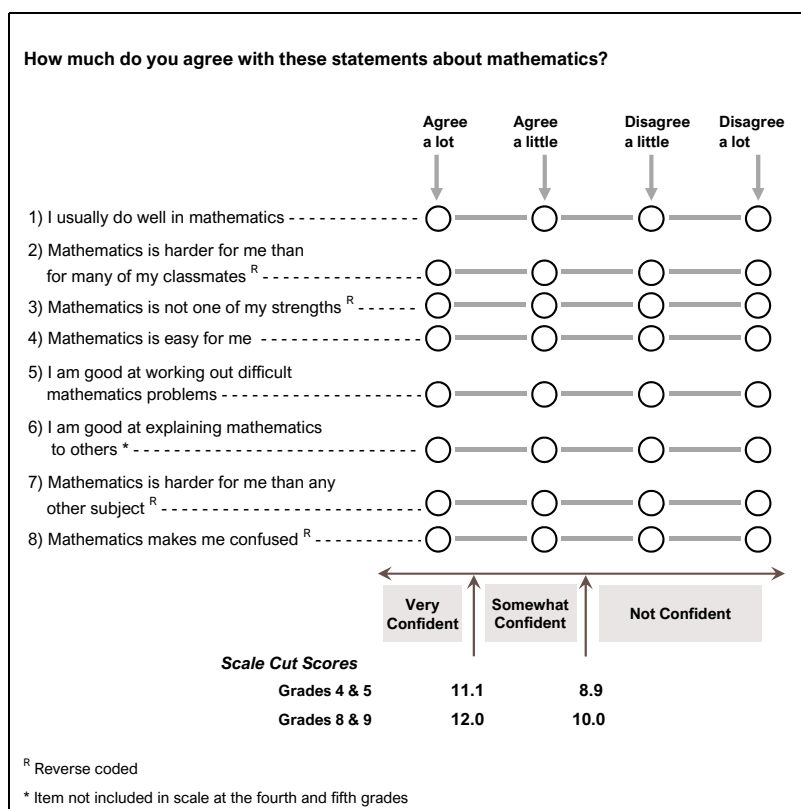


Exhibit 6.2.5a: Students Confident in Mathematics and Growth in Achievement
Students' Reports in 2024

Country		Very Confident in Mathematics		Somewhat Confident in Mathematics		Not Confident in Mathematics	
		Percent of Students	Average Growth	Percent of Students	Average Growth	Percent of Students	Average Growth
Georgia	r	28 (1.0)	28 (3.9)	43 (1.0)	23 (3.5)	29 (1.0)	17 (4.1)
Italy		26 (0.9)	45 (2.0)	46 (1.0)	41 (2.3)	28 (1.1)	30 (3.0)
Jordan	r	27 (1.4)	25 (5.2)	40 (1.3)	7 (5.1)	33 (1.4)	6 (5.6)
Korea, Rep. of	r	21 (0.8)	42 (2.2)	43 (1.0)	41 (1.6)	36 (0.8)	41 (2.9)
Kosovo	r	26 (1.1)	25 (2.6)	40 (1.0)	18 (2.3)	34 (1.1)	11 (2.5)
Montenegro		26 (0.7)	27 (2.3)	39 (0.8)	22 (2.2)	35 (0.9)	15 (2.2)
North Macedonia	r	26 (1.0)	31 (3.7)	38 (0.9)	18 (3.2)	35 (0.9)	10 (3.1)
Slovenia		26 (0.7)	45 (2.1)	42 (0.9)	45 (2.0)	32 (0.9)	39 (2.3)
Sweden		26 (0.8)	33 (1.9)	44 (1.1)	33 (1.6)	30 (1.0)	21 (2.3)

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 6.2.5b: Students Confident in Mathematics and Average Achievement
Students' Reports in 2023 and 2024

Country	Very Confident in Mathematics		Somewhat Confident in Mathematics		Not Confident in Mathematics		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Georgia							
Grade 4	37 (1.1)	530 (3.5)	41 (0.9)	496 (4.2)	22 (1.0)	468 (3.9)	10.6 (0.05)
Grade 5	28 (1.0)	566 (3.9)	43 (1.0)	517 (4.3)	29 (1.0)	489 (4.2)	10.2 (0.04)
Italy							
Grade 4	30 (1.0)	551 (2.7)	45 (0.9)	512 (3.0)	26 (1.0)	478 (3.8)	10.2 (0.05)
Grade 5	26 (0.9)	601 (3.3)	46 (1.0)	554 (3.1)	28 (1.1)	510 (3.8)	10.0 (0.04)
Jordan							
Grade 4	28 (1.6)	470 (6.8)	39 (1.1)	422 (6.6)	33 (1.7)	410 (5.8)	10.2 (0.07)
Grade 5	27 (1.4)	482 (5.5)	40 (1.3)	430 (5.5)	33 (1.4)	418 (6.3)	10.1 (0.06)
Korea, Rep. of							
Grade 4	22 (0.8)	645 (2.9)	43 (0.9)	606 (2.6)	34 (1.1)	550 (3.5)	9.7 (0.05)
Grade 5	21 (0.8)	686 (3.2)	43 (1.0)	645 (2.6)	36 (0.8)	593 (3.4)	9.6 (0.04)
Kosovo							
Grade 4	31 (1.3)	497 (3.7)	41 (1.0)	446 (3.7)	27 (0.9)	419 (4.0)	10.3 (0.05)
Grade 5	26 (1.1)	528 (4.2)	40 (1.0)	469 (3.7)	34 (1.1)	436 (3.7)	10.0 (0.05)
Montenegro							
Grade 4	36 (0.9)	515 (2.3)	36 (0.8)	473 (2.7)	28 (0.9)	446 (2.2)	10.5 (0.04)
Grade 5	26 (0.7)	548 (2.7)	39 (0.8)	495 (2.2)	35 (0.9)	467 (2.4)	10.0 (0.03)
North Macedonia							
Grade 4	30 (1.0)	525 (3.8)	40 (0.9)	476 (3.8)	31 (1.1)	445 (4.1)	10.3 (0.04)
Grade 5	26 (1.0)	556 (3.9)	38 (0.9)	491 (4.1)	35 (0.9)	464 (4.4)	10.0 (0.04)
Slovenia							
Grade 4	29 (0.8)	561 (2.5)	42 (0.9)	516 (2.3)	29 (1.0)	471 (2.5)	10.1 (0.04)
Grade 5	26 (0.7)	606 (3.0)	42 (0.9)	561 (2.6)	32 (0.9)	515 (2.1)	9.9 (0.04)
Sweden							
Grade 4	28 (0.8)	578 (3.3)	47 (0.6)	529 (2.9)	25 (0.7)	487 (2.9)	10.1 (0.04)
Grade 5	26 (0.8)	615 (3.6)	44 (1.1)	566 (2.7)	30 (1.0)	513 (3.8)	10.0 (0.04)

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.

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Exhibit 6.2.6a: Students Confident in Mathematics and Growth in Achievement
Students' Reports in 2024

Country		Very Confident in Mathematics		Somewhat Confident in Mathematics		Not Confident in Mathematics	
		Percent of Students	Average Growth	Percent of Students	Average Growth	Percent of Students	Average Growth
Jordan	r	12 (0.7)	24 (3.7)	33 (0.8)	22 (3.2)	55 (0.9)	16 (3.3)
Korea, Rep. of		10 (0.5)	6 (3.6)	27 (0.7)	12 (2.5)	63 (0.8)	7 (1.9)
Sweden	r	16 (0.7)	21 (2.2)	31 (0.8)	19 (2.1)	53 (1.2)	9 (1.6)

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Exhibit 6.2.6b: Students Confident in Mathematics and Average Achievement

Students' Reports in 2023 and 2024

Country	Very Confident in Mathematics		Somewhat Confident in Mathematics		Not Confident in Mathematics		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Jordan							
Grade 8	12 (0.6)	465 (4.9)	36 (1.0)	399 (4.1)	52 (1.0)	372 (3.3)	10.4 (0.03)
Grade 9	12 (0.7)	481 (5.1)	33 (0.8)	418 (4.2)	55 (0.9)	386 (3.3)	10.3 (0.03)
Korea, Rep. of							
Grade 8	12 (0.5)	681 (4.4)	28 (0.8)	643 (2.7)	61 (0.9)	559 (3.2)	9.6 (0.04)
Grade 9	10 (0.5)	687 (4.9)	27 (0.7)	656 (3.0)	63 (0.8)	572 (3.0)	9.5 (0.04)
Sweden							
Grade 8	14 (0.7)	609 (4.0)	32 (0.8)	552 (2.8)	54 (1.1)	485 (2.2)	10.0 (0.05)
Grade 9	16 (0.7)	629 (3.8)	31 (0.8)	567 (3.4)	53 (1.2)	496 (2.8)	10.1 (0.05)

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