

Exhibit 5.1.6: Teachers Majored in Primary Education and Mathematics

Teachers' Reports

About the Index
Major in Primary Education and Major (or Specialization) in Mathematics: Teachers majored in primary education and majored or specialized in mathematics
Major in Primary Education but No Major (or Specialization) in Mathematics: Teachers majored in primary education but did not major or specialize in mathematics
Major in Mathematics but No Major in Primary Education: Teachers did not major in primary education but majored or specialized in mathematics
All Other Majors: Teachers did not major in primary education, did not major or specialize in mathematics, but completed post-secondary education (ISCED Level 4) or higher
No Formal Education Beyond Upper-Secondary: Teachers completed no higher than ISCED Level 3

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

Exhibit 5.1.7: Teachers Majored in Primary Education and Mathematics and Average Achievement

Teachers' Reports in 2023 and 2024

Country	Major in Primary Education and Major (or Specialization) in Mathematics		Major in Primary Education but No Major (or Specialization) in Mathematics		Major in Mathematics but No Major in Primary Education		All Other Majors		No Formal Education Beyond Upper-Secondary	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Georgia										
Grade 4	72 (3.5)	496 (3.8)	3 (1.3)	464 (16.0)	21 (3.1)	504 (7.4)	3 (1.2)	502 (23.6)	1 ~	~ ~
Grade 5	20 (3.0)	523 (6.9)	0 ~	~ ~	79 (3.0)	518 (3.7)	1 ~	~ ~	0 ~	~ ~
Italy										
Grade 4	9 (1.9)	518 (11.8)	9 (1.9)	510 (7.1)	4 (1.4)	506 (12.0)	25 (2.9)	513 (4.9)	54 (3.1)	511 (3.9)
Grade 5	9 (1.7)	563 (10.2)	12 (2.2)	545 (10.1)	3 (1.3)	540 (20.9)	22 (2.8)	550 (4.5)	54 (3.2)	549 (3.9)
Jordan										
Grade 4	18 (3.4)	427 (15.8)	0 ~	~ ~	68 (4.1)	429 (5.8)	9 (2.4)	427 (14.6)	5 (2.0)	420 (36.7)
Grade 5	17 (3.2)	444 (11.9)	0 ~	~ ~	70 (4.0)	429 (6.3)	7 (2.2)	481 (15.5)	6 (1.8)	441 (10.6)
Korea, Rep. of										
Grade 4	13 (2.7)	609 (4.0)	85 (2.7)	593 (2.8)	1 ~	~ ~	2 ~	~ ~	0 ~	~ ~
Grade 5	14 (1.6)	631 (4.8)	82 (1.8)	634 (2.9)	0 ~	~ ~	4 (1.3)	645 (10.6)	0 ~	~ ~
Kosovo										
Grade 4	42 (4.3)	457 (5.6)	48 (4.4)	458 (4.5)	5 (1.4)	451 (9.2)	5 (2.0)	429 (47.0)	1 ~	~ ~
Grade 5	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
Montenegro										
Grade 4	48 (2.9)	478 (3.1)	38 (3.0)	474 (3.5)	6 (1.4)	469 (7.8)	7 (1.4)	475 (6.4)	0 ~	~ ~
Grade 5	45 (2.5)	494 (3.3)	35 (2.3)	501 (2.9)	11 (1.7)	480 (8.8)	8 (1.7)	487 (4.9)	0 ~	~ ~
North Macedonia										
Grade 4	33 (4.3)	471 (8.2)	45 (4.2)	480 (6.1)	7 (1.6)	466 (11.1)	13 (2.6)	463 (11.2)	2 ~	~ ~
Grade 5	36 (3.7)	494 (7.6)	40 (3.9)	484 (6.2)	9 (2.6)	506 (13.3)	14 (2.9)	480 (11.5)	0 ~	~ ~
Slovenia										
Grade 4	13 (2.4)	511 (5.2)	86 (2.5)	513 (2.0)	0 ~	~ ~	1 ~	~ ~	0 ~	~ ~
Grade 5	10 (2.2)	558 (5.2)	88 (2.4)	558 (2.1)	0 ~	~ ~	2 ~	~ ~	0 ~	~ ~
Sweden										
Grade 4	80 (3.2)	530 (3.3)	10 (2.4)	532 (10.3)	6 (1.8)	525 (11.8)	4 (1.3)	534 (9.3)	1 ~	~ ~
Grade 5	80 (3.6)	565 (2.8)	9 (2.3)	564 (10.3)	7 (2.5)	510 (21.4)	3 (1.4)	570 (17.7)	1 ~	~ ~

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.
 A dash (-) indicates comparable data not available. A tilde (~) indicates insufficient data to report result.
 An "r" indicates data are available for at least 70% but less than 85% of the students.
 An "s" indicates data are available for at least 50% but less than 70% of the students.
 A "y" indicates data are available for less than 40% of the students.