

**Exhibit 5.8: Problems with School Conditions and Resources – Teachers' Reports**

Reported by Teachers

Students were scored according to their teachers' responses concerning seven conditions and resources on the *Problems with School Conditions and Resources* scale. Students whose teachers reported **Hardly Any Problems** with their school conditions and resources had a score on the scale of at least 10.6, which corresponds to their teachers reporting "not a problem" for four of seven conditions and resources and "minor problem" for the other three, on average. Students whose teachers reported **Moderate to Severe Problems** had a score no higher than 8.2, which corresponds to their teachers reporting "moderate problem" for four of seven conditions and resources and "minor problem" for the other three, on average. All other students had teachers that reported **Minor Problems** with their school conditions and resources.

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Czech Republic	66 (3.3)	536 (2.9)	30 (3.2)	533 (3.4)	4 (1.4)	518 (10.3)	11.2 (0.12)
Qatar	62 (3.0)	438 (5.2)	24 (2.9)	425 (9.3)	13 (2.2)	449 (13.6)	11.2 (0.13)
Northern Ireland	60 (4.3)	522 (2.7)	30 (3.3)	517 (5.4)	9 (3.1)	524 (9.2)	10.8 (0.19)
United Arab Emirates	57 (2.0)	466 (4.8)	32 (1.8)	446 (5.1)	11 (1.3)	396 (13.4)	11.0 (0.08)
Korea, Rep. of	57 (3.5)	590 (2.6)	35 (3.8)	590 (3.0)	8 (2.2)	577 (5.1)	10.9 (0.14)
Singapore	56 (2.7)	589 (5.6)	39 (2.8)	593 (5.8)	6 (1.2)	595 (12.0)	10.9 (0.10)
Bahrain	55 (0.5)	460 (2.9)	35 (0.8)	463 (4.7)	10 (0.7)	445 (7.3)	10.8 (0.03)
Australia	54 (4.1)	526 (4.8)	37 (3.7)	523 (4.9)	8 (1.9)	527 (6.1)	10.6 (0.13)
Bulgaria	54 (4.7)	535 (8.8)	35 (4.3)	535 (9.3)	11 (2.5)	541 (8.5)	10.6 (0.18)
England	52 (4.1)	534 (4.5)	39 (3.7)	544 (3.9)	9 (2.5)	524 (9.4)	10.8 (0.17)
Chile	52 (4.1)	494 (4.8)	34 (3.8)	462 (6.1)	15 (3.0)	464 (8.1)	10.4 (0.16)
Kazakhstan	51 (4.1)	551 (6.9)	39 (4.0)	551 (7.5)	10 (2.2)	536 (14.0)	10.5 (0.16)
Ireland	51 (4.3)	530 (3.7)	34 (4.1)	527 (4.1)	15 (3.3)	527 (7.4)	10.4 (0.17)
Slovenia	50 (3.6)	542 (3.5)	33 (3.3)	541 (3.3)	17 (3.0)	552 (4.8)	10.4 (0.14)
Slovak Republic	49 (3.6)	517 (4.4)	41 (3.4)	524 (4.9)	11 (2.0)	523 (10.3)	10.7 (0.13)
New Zealand	48 (3.2)	508 (4.4)	44 (3.2)	506 (3.8)	8 (1.7)	496 (10.5)	10.6 (0.11)
Hong Kong SAR	47 (4.3)	565 (5.6)	43 (4.5)	552 (4.7)	11 (2.8)	539 (7.4)	10.4 (0.15)
United States	43 (2.4)	553 (4.1)	45 (2.6)	545 (3.7)	11 (1.8)	524 (7.2)	10.4 (0.10)
Russian Federation	42 (3.4)	572 (3.4)	45 (3.9)	563 (4.4)	13 (3.5)	568 (17.0)	10.2 (0.11)
Poland	42 (3.5)	549 (3.4)	41 (3.4)	547 (3.8)	17 (3.1)	543 (6.0)	10.1 (0.15)
Kuwait	42 (2.9)	344 (11.4)	38 (3.2)	336 (6.5)	20 (2.8)	332 (15.5)	10.1 (0.15)
Oman	42 (2.8)	427 (5.7)	43 (3.2)	438 (5.7)	15 (2.1)	420 (7.9)	10.2 (0.10)
Canada	40 (3.1)	523 (4.2)	48 (3.0)	525 (2.8)	11 (1.6)	531 (6.1)	10.2 (0.09)
Netherlands	39 (4.2)	512 (3.8)	49 (4.0)	519 (3.7)	12 (2.2)	530 (4.9)	10.1 (0.14)
Spain	39 (3.4)	522 (3.3)	46 (3.4)	516 (3.8)	15 (3.1)	515 (7.2)	10.2 (0.14)
Lithuania	36 (3.9)	527 (5.1)	47 (3.6)	529 (3.6)	17 (2.8)	529 (6.0)	10.0 (0.16)
Belgium (Flemish)	35 (3.6)	512 (4.1)	49 (3.5)	511 (3.7)	16 (2.8)	511 (7.2)	10.0 (0.14)
Portugal	34 (3.4)	513 (3.0)	45 (3.5)	509 (2.6)	21 (2.8)	500 (4.6)	9.9 (0.14)
Chinese Taipei	33 (4.1)	556 (3.9)	53 (4.4)	554 (2.2)	14 (2.8)	559 (5.8)	10.0 (0.13)
Cyprus	32 (4.5)	485 (4.0)	51 (4.7)	481 (4.6)	17 (2.9)	473 (4.9)	9.9 (0.17)
Saudi Arabia	29 (2.9)	398 (10.3)	40 (4.0)	392 (8.0)	31 (3.3)	382 (10.7)	9.6 (0.15)
Norway (5)	29 (3.8)	545 (4.3)	57 (4.5)	540 (2.6)	14 (3.5)	524 (5.3)	9.9 (0.15)
Georgia	28 (3.9)	467 (9.3)	46 (4.1)	446 (4.8)	26 (3.6)	444 (8.0)	9.7 (0.18)
Turkey	27 (2.9)	510 (8.3)	37 (2.9)	486 (5.5)	36 (2.6)	461 (5.3)	9.0 (0.12)
Croatia	26 (3.3)	528 (3.1)	51 (3.2)	534 (2.8)	23 (2.8)	540 (5.4)	9.5 (0.17)
Serbia	25 (3.5)	525 (11.0)	40 (3.6)	520 (4.9)	35 (3.6)	530 (3.9)	9.3 (0.15)
Germany	24 (2.9)	541 (4.3)	43 (3.7)	524 (4.0)	33 (3.5)	523 (4.9)	9.3 (0.13)
Sweden	23 (3.5)	550 (7.5)	51 (4.0)	539 (4.2)	26 (4.3)	534 (8.5)	9.3 (0.15)
Finland	23 (2.9)	551 (3.5)	55 (3.5)	556 (2.9)	22 (3.0)	550 (4.2)	9.5 (0.12)
Hungary	22 (2.9)	532 (7.7)	44 (3.6)	544 (6.3)	34 (3.8)	546 (6.0)	9.3 (0.15)
Italy	22 (2.6)	523 (5.6)	44 (3.9)	516 (3.5)	34 (3.8)	512 (5.3)	9.3 (0.12)
Japan	22 (3.3)	569 (3.7)	62 (3.7)	569 (2.1)	16 (2.5)	571 (4.0)	9.7 (0.13)
France	19 (2.9)	499 (4.7)	56 (3.4)	486 (3.1)	25 (2.9)	484 (6.5)	9.2 (0.13)
Denmark	18 (3.3)	530 (5.4)	53 (4.4)	528 (3.6)	29 (3.6)	522 (4.0)	9.2 (0.13)
Iran, Islamic Rep. of	17 (2.2)	453 (9.3)	58 (3.6)	421 (6.0)	25 (3.2)	399 (8.0)	9.1 (0.10)
Morocco	15 (1.8)	424 (11.8)	32 (2.5)	352 (7.5)	53 (2.7)	333 (7.0)	8.3 (0.12)
Indonesia	13 (2.6)	415 (16.0)	27 (3.4)	425 (8.2)	61 (3.7)	381 (6.4)	8.0 (0.16)
International Avg.	38 (0.5)	512 (0.9)	43 (0.5)	506 (0.7)	19 (0.4)	500 (1.2)	

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

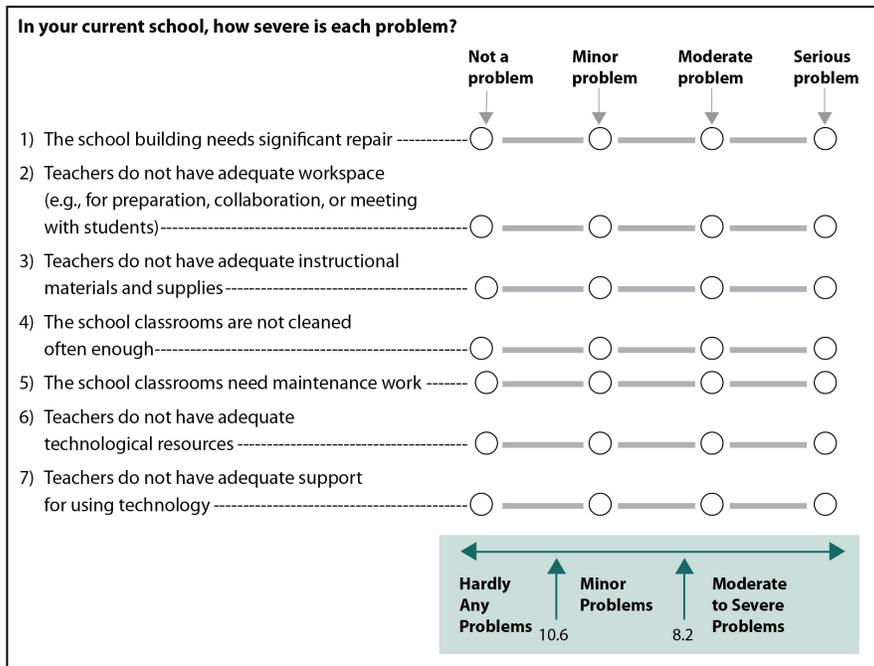
This TIMSS questionnaire scale was established in 2015 based on the combined response distribution of all countries that participated in TIMSS 2015. To provide a point of reference for country comparisons, the scale centerpoint of 10 was located at the mean of the combined distribution. The units of 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.

An "r" indicates data are available for at least 70% but less than 85% of the students. An "x" indicates data are available for less than 50% of students.

**Exhibit 5.8: Problems with School Conditions and Resources – Teachers' Reports (Continued)**

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
<b>Benchmarking Participants</b>							
Dubai, UAE	65 (1.3)	531 (2.5)	30 (1.4)	494 (3.9)	4 (0.4)	439 (15.0)	11.4 (0.05)
Abu Dhabi, UAE	51 (4.5)	412 (11.1)	34 (4.2)	435 (12.1)	15 (3.3)	380 (22.0)	10.8 (0.19)
Florida, US	44 (6.2)	555 (8.4)	40 (5.3)	545 (8.4)	17 (4.9)	553 (14.4)	10.3 (0.26)
Norway (4)	38 (4.2)	497 (2.6)	49 (4.0)	493 (2.9)	13 (3.0)	486 (11.3)	10.1 (0.15)
Quebec, Canada	38 (4.9)	527 (4.9)	50 (5.7)	519 (5.7)	12 (3.7)	539 (8.7)	10.1 (0.17)
Ontario, Canada	36 (4.0)	533 (4.2)	51 (4.2)	529 (3.6)	14 (2.5)	532 (7.1)	10.1 (0.12)
Buenos Aires, Argentina	x x	x x	x x	x x	x x	x x	x x



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