

Exhibit 7.2: School Discipline Problems – Principals' Reports

Reported by Principals

Students were scored according to their principals' responses concerning eleven potential school problems on the *School Discipline Problems* scale. Students in schools with **Hardly Any Problems** had a score on the scale of at least 10.8, which corresponds to their principals reporting "not a problem" for six of the eleven issues and "minor problem" for the other five, on average. Students in schools with **Moderate to Severe Problems** had a score no higher than 8.0, which corresponds to their principals reporting "moderate problem" for six of the eleven issues and "minor problem" for the other five, on average. All other students attended schools with **Minor Problems**.

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score	Difference in Average Scale Score from 2011	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement			
Singapore	74 (0.0)	606 (3.5)	26 (0.0)	571 (6.9)	0 (0.0)	~ ~	11.7 (0.00)	0.7 (0.00)	▲
England	r 73 (4.5)	552 (6.0)	27 (4.5)	522 (10.3)	0 (0.0)	~ ~	11.6 (0.13)	r 1.0 (0.20)	▲
Norway (9)	67 (4.5)	511 (3.3)	33 (4.5)	506 (6.0)	0 (0.0)	~ ~	11.2 (0.13)	◊ ◊	
Hong Kong SAR	66 (4.5)	552 (5.9)	33 (4.6)	530 (6.9)	1 (1.1)	~ ~	11.4 (0.15)	0.4 (0.21)	
Kazakhstan	65 (4.2)	542 (6.6)	18 (3.3)	514 (11.8)	17 (3.2)	516 (11.4)	10.8 (0.23)	-0.9 (0.26)	▼
Ireland	64 (3.9)	537 (3.2)	34 (4.0)	519 (6.4)	2 (1.2)	~ ~	10.9 (0.13)	◊ ◊	
Georgia	57 (3.8)	441 (4.8)	40 (3.8)	446 (4.6)	3 (1.0)	459 (16.4)	10.8 (0.12)	0.0 (0.16)	
Chinese Taipei	57 (3.8)	578 (3.2)	42 (3.7)	558 (3.7)	1 (0.8)	~ ~	11.1 (0.13)	-0.3 (0.20)	
Russian Federation	56 (3.7)	552 (6.1)	43 (3.5)	535 (5.0)	1 (0.8)	~ ~	10.8 (0.08)	0.2 (0.11)	
Iran, Islamic Rep. of	55 (3.4)	465 (5.5)	41 (3.4)	444 (5.0)	4 (1.1)	460 (15.0)	11.0 (0.13)	-0.4 (0.17)	
Korea, Rep. of	55 (4.7)	557 (3.2)	38 (4.6)	555 (3.0)	7 (2.3)	549 (6.1)	11.0 (0.17)	0.9 (0.25)	▲
United Arab Emirates	54 (2.3)	497 (3.5)	40 (2.2)	455 (4.3)	6 (0.9)	410 (7.6)	11.0 (0.08)	0.8 (0.11)	▲
Japan	54 (3.9)	577 (2.4)	37 (4.2)	566 (3.4)	9 (2.3)	557 (8.2)	10.5 (0.13)	0.5 (0.22)	
Bahrain	51 (0.2)	486 (2.8)	36 (0.2)	440 (3.5)	13 (0.2)	460 (8.6)	10.4 (0.02)	0.5 (0.02)	▲
Lebanon	51 (4.6)	405 (7.7)	29 (4.3)	388 (10.6)	20 (3.5)	396 (14.0)	10.2 (0.23)	0.0 (0.30)	
Qatar	51 (0.7)	459 (4.9)	34 (0.7)	452 (4.1)	15 (0.3)	458 (4.2)	10.2 (0.02)	-0.4 (0.05)	▼
Oman	50 (3.9)	462 (4.1)	27 (3.6)	450 (6.7)	23 (3.1)	443 (7.6)	10.2 (0.19)	0.4 (0.27)	
Malta	50 (0.1)	515 (2.3)	45 (0.1)	446 (2.3)	5 (0.1)	443 (7.2)	10.6 (0.00)	◊ ◊	
Malaysia	50 (4.6)	484 (5.9)	48 (4.4)	456 (6.6)	3 (2.1)	476 (12.4)	10.8 (0.15)	0.9 (0.18)	▲
Saudi Arabia	49 (4.3)	417 (6.8)	31 (3.9)	378 (8.0)	20 (3.5)	380 (11.7)	10.2 (0.24)	0.5 (0.32)	
Australia	48 (3.2)	531 (4.4)	51 (3.2)	497 (3.9)	1 (0.6)	~ ~	10.6 (0.09)	0.5 (0.13)	▲
Canada	45 (4.1)	534 (2.6)	54 (4.1)	522 (2.9)	1 (0.7)	~ ~	10.6 (0.12)	◊ ◊	
Thailand	42 (4.0)	473 (6.0)	53 (4.0)	444 (6.0)	5 (1.7)	433 (13.7)	10.4 (0.14)	0.4 (0.19)	
Lithuania	40 (4.2)	531 (4.8)	57 (4.2)	511 (4.5)	2 (1.1)	~ ~	10.3 (0.10)	0.2 (0.15)	
United States	34 (3.0)	549 (5.1)	64 (3.4)	523 (3.7)	2 (1.0)	~ ~	10.2 (0.09)	0.2 (0.12)	
Jordan	34 (3.5)	442 (5.4)	43 (3.9)	416 (5.7)	23 (3.3)	422 (8.2)	9.6 (0.18)	0.6 (0.23)	
Slovenia	32 (3.6)	556 (4.7)	63 (3.7)	550 (3.1)	5 (1.8)	545 (9.6)	10.0 (0.12)	0.1 (0.17)	
New Zealand	31 (4.6)	529 (4.1)	66 (4.6)	505 (4.6)	3 (1.5)	457 (18.1)	10.2 (0.13)	0.5 (0.16)	▲
Chile	29 (3.8)	482 (6.3)	58 (3.9)	448 (5.0)	13 (3.0)	424 (5.7)	9.8 (0.12)	0.1 (0.20)	
Hungary	29 (3.9)	550 (7.4)	63 (4.1)	525 (4.6)	8 (2.1)	453 (12.3)	10.1 (0.12)	0.5 (0.16)	▲
Italy	27 (4.2)	505 (6.2)	61 (4.5)	496 (3.7)	12 (2.6)	493 (11.5)	9.7 (0.12)	0.2 (0.18)	
Kuwait	27 (3.3)	449 (11.8)	50 (4.0)	406 (6.0)	23 (3.5)	375 (12.2)	9.4 (0.15)	◊ ◊	
Israel	26 (3.6)	529 (9.2)	61 (3.6)	508 (6.2)	13 (2.3)	458 (11.8)	9.6 (0.14)	0.2 (0.21)	
Sweden	26 (4.3)	541 (5.1)	70 (4.6)	517 (4.3)	4 (1.8)	489 (29.9)	9.8 (0.13)	r 0.3 (0.16)	
Turkey	19 (2.6)	529 (10.8)	49 (3.8)	494 (4.3)	32 (3.4)	473 (6.7)	8.8 (0.14)	-0.4 (0.20)	
Egypt	19 (3.4)	375 (11.4)	42 (3.6)	374 (7.0)	40 (3.6)	367 (7.7)	8.4 (0.18)	◊ ◊	
Morocco	13 (2.1)	411 (8.4)	34 (3.4)	392 (4.3)	53 (3.2)	391 (3.3)	8.1 (0.12)	-0.1 (0.18)	
Botswana (9)	11 (2.8)	418 (12.4)	68 (3.8)	396 (3.6)	22 (3.5)	367 (7.1)	9.0 (0.11)	0.1 (0.14)	
South Africa (9)	10 (2.1)	400 (24.8)	56 (3.7)	371 (8.4)	34 (3.8)	325 (6.1)	8.8 (0.12)	0.0 (0.15)	
International Avg.	43 (0.6)	501 (1.2)	45 (0.6)	478 (0.9)	11 (0.4)	446 (2.2)			

Significantly higher than 2011 ▲  
Significantly lower than 2011 ▼

This TIMSS questionnaire scale was established in 2011 based on the combined response distribution of all countries that participated in TIMSS 2011. 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 diamond (◊) indicates the country did not participate in the 2011 assessment.

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

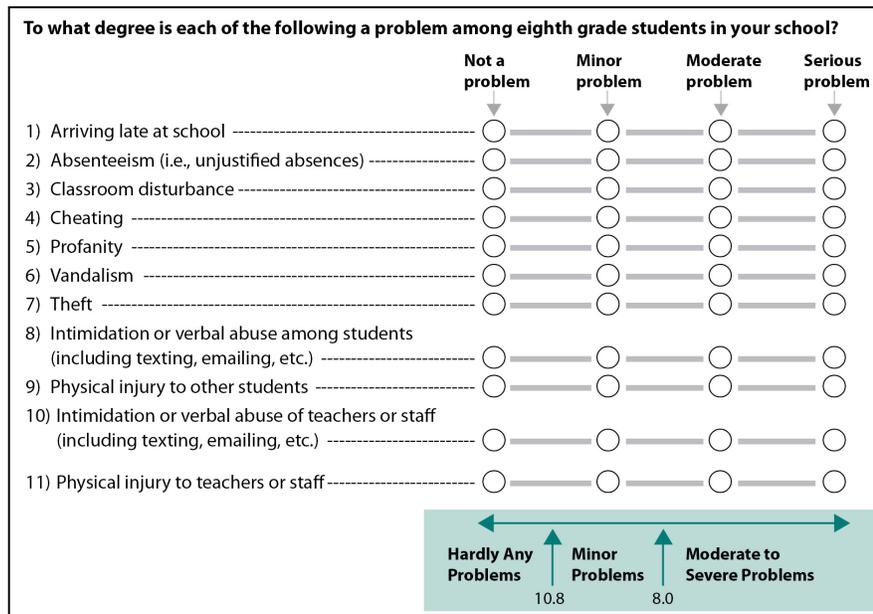
An "r" indicates data are available for at least 70% but less than 85% of the students. An "s" indicates data are available for at least 50% but less than 70% of the students.

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

Exhibit 7.2: School Discipline Problems – Principals' Reports (Continued)

Country	Hardly Any Problems		Minor Problems		Moderate to Severe Problems		Average Scale Score	Difference in Average Scale Score from 2011
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement		
<b>Benchmarking Participants</b>								
Dubai, UAE	76 (0.3)	543 (2.4)	22 (0.3)	471 (4.0)	2 (0.1)	~ ~	12.1 (0.01)	1.1 (0.02) ⬆
Norway (8)	73 (4.1)	495 (2.6)	27 (4.1)	481 (5.5)	0 (0.0)	~ ~	11.6 (0.13)	1.5 (0.18) ⬆
Quebec, Canada	56 (6.1)	541 (4.7)	44 (6.1)	529 (6.3)	1 (0.6)	~ ~	10.9 (0.19)	0.9 (0.22) ⬆
Abu Dhabi, UAE	41 (4.2)	459 (9.0)	53 (4.1)	451 (7.5)	7 (1.7)	401 (14.4)	10.5 (0.14)	0.3 (0.22)
Ontario, Canada	39 (5.3)	528 (3.5)	59 (5.2)	520 (3.7)	2 (1.1)	~ ~	10.4 (0.16)	0.2 (0.22)
Florida, US	29 (8.2)	503 (14.5)	71 (8.2)	519 (11.4)	0 (0.0)	~ ~	10.2 (0.33)	0.4 (0.40)
Buenos Aires, Argentina	21 (4.2)	450 (7.7)	61 (5.7)	374 (7.4)	18 (4.4)	356 (12.7)	9.5 (0.15)	0 0

Significantly higher than 2011 ⬆  
Significantly lower than 2011 ⬇



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