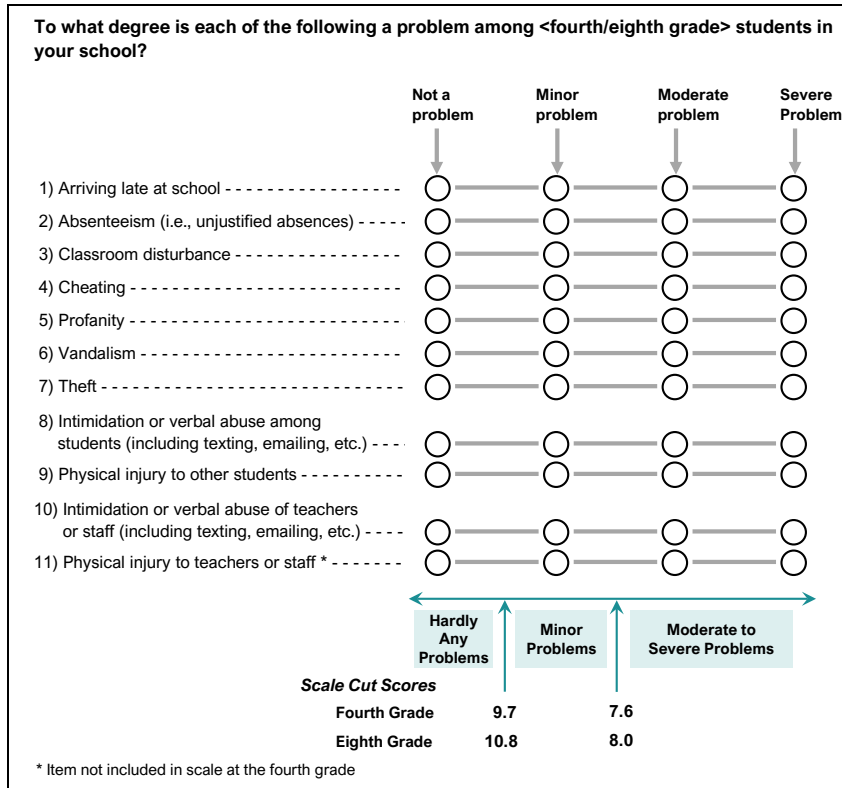


Exhibit 8.1: School Discipline – Principals’ Reports

Students’ Results based on Principals’ Reports

About the Scale

Students were scored according to their principals’ reports regarding eleven potential problems on the *School Discipline* scale. Cut scores divide the scale into three categories. Students in schools with **Hardly Any Problems** had a score at or above the cut score corresponding to their principals reporting that six of the eleven issues are “not a problem” and the other five are a “minor problem,” on average. Students in schools with **Moderate to Severe Problems** had a score at or below the cut score corresponding to their principals reporting that six of the eleven issues are a “moderate problem” and the other five are a “minor problem,” on average. All other students were in schools with **Minor Problems**.



SOURCE: IEA’s Trends in International Mathematics and Science Study - TIMSS 2019
Downloaded from <http://timss2019.org/download>

Exhibit 8.2: School Discipline – Principals’ Reports

Students’ Results based on Principals’ Reports

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	
Albania	82 (3.4)	495 (3.8)	16 (3.2)	491 (9.3)	2 (1.1)	--	10.9 (0.14)
Ireland	82 (3.2)	552 (3.1)	16 (3.1)	540 (5.5)	2 (1.2)	--	10.8 (0.11)
Kazakhstan	82 (3.3)	514 (3.0)	7 (2.0)	500 (11.4)	12 (2.6)	506 (7.8)	10.9 (0.19)
Netherlands	81 (5.0)	540 (2.8)	19 (5.0)	527 (4.6)	0 (0.0)	--	10.9 (0.15)
Hong Kong SAR	77 (4.3)	607 (3.2)	23 (4.2)	583 (7.7)	1 (0.7)	--	10.7 (0.14)
Singapore	76 (0.0)	628 (4.3)	24 (0.0)	616 (8.3)	0 (0.0)	--	10.6 (0.00)
Armenia	76 (3.4)	501 (3.2)	13 (3.2)	484 (6.1)	11 (2.3)	498 (7.6)	10.4 (0.15)
Croatia	76 (3.6)	509 (2.6)	22 (3.5)	513 (5.4)	2 (1.3)	--	10.5 (0.12)
Spain	75 (3.4)	508 (2.8)	22 (3.1)	486 (8.1)	3 (1.2)	493 (14.7)	10.6 (0.13)
Slovak Republic	73 (3.6)	517 (4.1)	20 (3.5)	504 (6.9)	6 (1.7)	447 (14.5)	10.3 (0.11)
Japan	73 (3.6)	595 (2.1)	23 (3.6)	588 (3.5)	4 (1.8)	584 (9.1)	10.4 (0.12)
Korea, Rep. of	73 (3.7)	602 (2.7)	16 (2.8)	595 (5.7)	12 (3.0)	588 (7.1)	10.6 (0.18)
Northern Ireland	73 (3.8)	573 (4.2)	27 (3.9)	552 (6.2)	1 (0.8)	--	10.4 (0.11)
Chinese Taipei	73 (3.2)	600 (2.2)	26 (3.2)	597 (3.7)	1 (1.0)	--	10.8 (0.12)
Lithuania	72 (3.8)	537 (3.4)	28 (3.8)	556 (7.4)	0 (0.3)	--	10.4 (0.11)
Latvia	72 (3.2)	548 (3.3)	27 (3.2)	541 (4.7)	1 (0.0)	--	10.4 (0.09)
Czech Republic	71 (3.5)	538 (3.1)	26 (3.3)	525 (4.8)	3 (1.2)	494 (6.6)	10.3 (0.11)
Azerbaijan	71 (3.2)	514 (3.5)	17 (2.9)	529 (6.2)	12 (2.7)	508 (5.5)	10.0 (0.16)
United Arab Emirates	70 (2.0)	494 (2.0)	26 (2.0)	444 (3.6)	4 (0.3)	446 (9.9)	10.5 (0.07)
Bulgaria	70 (4.1)	528 (4.1)	24 (3.9)	477 (11.9)	6 (2.0)	517 (17.7)	10.4 (0.17)
Malta	69 (0.4)	519 (1.4)	29 (0.4)	490 (3.0)	2 (0.1)	--	10.4 (0.01)
North Macedonia	68 (3.7)	478 (5.8)	24 (4.2)	461 (11.1)	8 (2.7)	458 (24.9)	10.4 (0.16)
Qatar	68 (3.8)	455 (4.7)	24 (3.6)	439 (8.8)	8 (1.8)	434 (13.1)	10.2 (0.13)
Russian Federation	68 (3.6)	569 (4.5)	32 (3.5)	563 (4.1)	1 (0.6)	--	10.2 (0.08)
England	67 (5.1)	566 (5.5)	33 (5.1)	540 (7.6)	0 (0.0)	--	10.1 (0.10)
Italy	66 (4.0)	517 (2.8)	29 (4.2)	510 (4.9)	5 (1.8)	509 (7.6)	10.0 (0.12)
Georgia	66 (4.4)	486 (4.6)	23 (3.8)	473 (6.0)	11 (2.9)	479 (11.6)	10.1 (0.19)
Bahrain	65 (2.8)	486 (2.7)	27 (2.8)	476 (5.0)	8 (0.7)	442 (7.8)	10.2 (0.09)
Saudi Arabia	64 (3.5)	404 (4.7)	23 (3.2)	394 (7.8)	14 (2.7)	385 (15.5)	10.0 (0.16)
Belgium (Flemish)	61 (4.5)	540 (2.7)	37 (4.6)	523 (3.8)	2 (1.4)	--	10.1 (0.12)
Iran, Islamic Rep. of	59 (3.7)	450 (5.4)	33 (3.6)	436 (8.2)	8 (1.8)	423 (15.4)	10.1 (0.12)
New Zealand	59 (3.6)	504 (3.8)	38 (3.7)	466 (5.5)	3 (1.4)	438 (9.9)	10.1 (0.10)
Norway (5)	58 (4.3)	547 (3.7)	33 (4.1)	540 (4.9)	9 (3.2)	533 (7.4)	9.7 (0.12)
France	57 (4.1)	494 (4.3)	39 (4.3)	476 (4.8)	4 (1.4)	445 (9.2)	9.9 (0.11)
Australia	57 (3.5)	529 (4.0)	40 (3.4)	500 (4.8)	3 (1.3)	442 (15.7)	9.9 (0.11)
Serbia	55 (4.3)	505 (4.4)	32 (3.7)	513 (5.8)	12 (2.8)	512 (8.9)	9.7 (0.16)
Bosnia and Herzegovina	55 (3.7)	453 (3.6)	29 (3.5)	453 (4.8)	16 (3.1)	447 (7.6)	9.6 (0.18)
United States	55 (2.6)	547 (3.9)	41 (2.6)	521 (4.4)	4 (1.1)	501 (18.4)	9.9 (0.08)
Finland	53 (3.8)	537 (3.4)	42 (3.8)	529 (3.1)	5 (1.9)	499 (11.9)	9.9 (0.10)
Canada	53 (2.9)	516 (2.4)	43 (3.0)	510 (4.7)	4 (1.0)	470 (9.4)	9.9 (0.09)
Montenegro	52 (0.5)	452 (2.3)	34 (0.4)	457 (3.6)	14 (0.3)	447 (3.8)	9.7 (0.02)
Pakistan	51 (6.5)	321 (16.7)	38 (6.4)	331 (20.2)	11 (2.7)	352 (17.7)	9.4 (0.19)
Hungary	50 (4.7)	532 (4.1)	42 (4.5)	520 (6.0)	8 (2.3)	474 (15.0)	9.7 (0.12)
Cyprus	49 (4.8)	540 (3.4)	45 (4.6)	527 (5.0)	6 (2.3)	502 (12.5)	9.8 (0.16)
Austria	49 (3.7)	548 (3.3)	41 (3.8)	535 (3.3)	10 (2.3)	515 (9.2)	9.6 (0.11)
Kosovo	47 (4.4)	439 (4.9)	26 (3.6)	447 (5.7)	27 (3.7)	451 (4.5)	8.9 (0.21)
Denmark	47 (4.0)	534 (3.4)	52 (3.9)	517 (2.7)	1 (1.0)	--	9.7 (0.11)
Portugal	46 (3.8)	533 (4.1)	45 (3.8)	521 (4.2)	9 (2.1)	511 (6.9)	9.6 (0.14)
Philippines	44 (4.1)	319 (9.5)	52 (3.9)	276 (8.3)	4 (1.6)	317 (13.7)	9.5 (0.11)
Kuwait	44 (3.9)	401 (7.1)	37 (4.1)	373 (8.5)	19 (3.2)	364 (11.6)	9.1 (0.15)
Chile	41 (4.1)	454 (5.8)	49 (4.4)	435 (4.0)	9 (2.5)	416 (11.8)	9.4 (0.13)
Oman	36 (3.2)	436 (5.6)	36 (3.1)	422 (5.2)	28 (3.3)	435 (11.1)	8.7 (0.18)
Poland	36 (4.1)	522 (4.9)	60 (4.2)	518 (3.2)	4 (1.6)	538 (7.6)	9.3 (0.10)
Germany	36 (3.2)	541 (2.9)	52 (3.5)	516 (3.3)	12 (2.0)	484 (9.2)	9.2 (0.09)
Turkey (5)	33 (3.4)	552 (6.1)	40 (3.7)	517 (7.5)	27 (3.3)	496 (9.4)	8.8 (0.16)
Sweden	30 (3.8)	529 (3.9)	65 (4.1)	518 (4.4)	5 (1.5)	491 (13.4)	9.2 (0.10)
Morocco	28 (2.8)	406 (12.9)	24 (2.7)	365 (10.8)	48 (3.5)	380 (7.4)	7.8 (0.18)
South Africa (5)	19 (2.6)	397 (12.0)	53 (3.8)	373 (5.9)	28 (3.7)	364 (7.3)	8.5 (0.09)
International Average	60 (0.5)	508 (0.7)	32 (0.5)	494 (0.9)	8 (0.3)	466 (1.8)	
Benchmarking Participants							
Dubai, UAE	89 (0.1)	546 (1.8)	10 (0.1)	530 (4.8)	0 (0.0)	--	11.1 (0.01)
Madrid, Spain	77 (3.8)	523 (2.1)	19 (3.6)	497 (7.4)	4 (1.4)	528 (9.3)	10.7 (0.14)
Moscow City, Russian Fed.	73 (4.2)	595 (2.6)	26 (4.3)	587 (4.1)	1 (0.6)	--	10.4 (0.11)
Quebec, Canada	60 (4.4)	534 (3.2)	37 (4.4)	528 (3.6)	2 (0.8)	--	10.1 (0.13)
Abu Dhabi, UAE	59 (1.1)	452 (2.8)	38 (1.1)	414 (4.1)	3 (0.1)	392 (11.3)	10.1 (0.04)
Ontario, Canada	42 (5.3)	519 (5.5)	51 (5.5)	513 (7.8)	7 (2.0)	456 (9.9)	9.6 (0.14)

This TIMSS context 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 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.

Exhibit 8.3: School Discipline – Principals' Reports

Students' Results based on Principals' Reports

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	
Albania	82 (3.4)	490 (3.9)	16 (3.2)	483 (10.5)	2 (1.1)	--	10.9 (0.14)
Ireland	82 (3.2)	530 (3.9)	16 (3.1)	524 (5.9)	2 (1.2)	--	10.8 (0.11)
Kazakhstan	82 (3.3)	497 (3.5)	7 (2.0)	481 (15.6)	12 (2.6)	488 (10.3)	10.9 (0.19)
Netherlands	81 (5.0)	522 (3.6)	19 (5.0)	504 (6.4)	0 (0.0)	--	10.9 (0.15)
Hong Kong SAR	77 (4.3)	538 (3.2)	23 (4.2)	510 (7.7)	1 (0.7)	--	10.7 (0.14)
Singapore	76 (0.0)	597 (3.8)	24 (0.0)	585 (7.5)	0 (0.0)	--	10.6 (0.00)
Armenia	76 (3.4)	469 (3.9)	13 (3.2)	448 (7.0)	11 (2.3)	468 (8.6)	10.4 (0.15)
Croatia	76 (3.6)	524 (2.6)	22 (3.5)	526 (4.4)	2 (1.3)	--	10.5 (0.12)
Spain	75 (3.4)	517 (2.6)	22 (3.1)	495 (7.1)	3 (1.2)	498 (13.0)	10.6 (0.13)
Slovak Republic	73 (3.6)	529 (4.1)	20 (3.5)	519 (7.4)	6 (1.7)	429 (17.1)	10.3 (0.11)
Japan	73 (3.6)	564 (2.1)	23 (3.6)	557 (3.2)	4 (1.8)	554 (8.2)	10.4 (0.12)
Korea, Rep. of	73 (3.7)	590 (2.5)	16 (2.8)	582 (5.6)	12 (3.0)	579 (6.2)	10.6 (0.18)
Northern Ireland	73 (3.8)	524 (3.3)	27 (3.9)	508 (5.0)	1 (0.8)	--	10.4 (0.11)
Chinese Taipei	73 (3.2)	558 (2.0)	26 (3.2)	557 (3.6)	1 (1.0)	--	10.8 (0.12)
Lithuania	72 (3.8)	533 (3.2)	28 (3.8)	551 (6.8)	0 (0.3)	--	10.4 (0.11)
Latvia	72 (3.2)	544 (3.1)	27 (3.2)	535 (4.1)	1 (0.0)	--	10.4 (0.09)
Czech Republic	71 (3.5)	538 (3.1)	26 (3.3)	527 (4.4)	3 (1.2)	497 (7.5)	10.3 (0.11)
Azerbaijan	71 (3.2)	424 (4.2)	17 (2.9)	446 (7.8)	12 (2.7)	418 (6.5)	10.0 (0.16)
United Arab Emirates	70 (2.0)	489 (2.4)	26 (2.0)	428 (4.2)	4 (0.3)	433 (11.6)	10.5 (0.07)
Bulgaria	70 (4.1)	537 (5.5)	24 (3.9)	477 (13.1)	6 (2.0)	520 (25.5)	10.4 (0.17)
Malta	69 (0.4)	507 (1.5)	29 (0.4)	475 (2.9)	2 (0.1)	--	10.4 (0.01)
North Macedonia	68 (3.7)	435 (6.5)	24 (4.2)	409 (13.8)	8 (2.7)	410 (23.9)	10.4 (0.16)
Qatar	68 (3.8)	456 (5.0)	24 (3.6)	439 (10.3)	8 (1.8)	430 (13.0)	10.2 (0.13)
Russian Federation	68 (3.6)	570 (4.1)	32 (3.5)	562 (3.8)	1 (0.6)	--	10.2 (0.08)
England	67 (5.1)	545 (4.8)	33 (5.1)	521 (7.3)	0 (0.0)	--	10.1 (0.10)
Italy	66 (4.0)	513 (3.1)	29 (4.2)	503 (5.8)	5 (1.8)	507 (9.8)	10.0 (0.12)
Georgia	66 (4.4)	458 (4.9)	23 (3.8)	446 (5.7)	11 (2.9)	449 (11.2)	10.1 (0.19)
Bahrain	65 (2.8)	505 (3.5)	27 (2.8)	483 (7.9)	8 (0.7)	431 (11.4)	10.2 (0.09)
Saudi Arabia	64 (3.5)	410 (5.2)	23 (3.2)	390 (9.8)	14 (2.7)	389 (16.9)	10.0 (0.16)
Belgium (Flemish)	61 (4.5)	508 (2.9)	37 (4.6)	491 (4.3)	2 (1.4)	--	10.1 (0.12)
Iran, Islamic Rep. of	59 (3.7)	449 (5.7)	33 (3.6)	432 (8.7)	8 (1.8)	415 (11.1)	10.1 (0.12)
New Zealand	59 (3.6)	519 (3.3)	38 (3.7)	482 (4.9)	3 (1.4)	451 (10.7)	10.1 (0.10)
Norway (5)	58 (4.3)	543 (3.2)	33 (4.1)	539 (4.7)	9 (3.2)	525 (7.6)	9.7 (0.12)
France	57 (4.1)	497 (4.3)	39 (4.3)	480 (4.7)	4 (1.4)	442 (8.0)	9.9 (0.11)
Australia	57 (3.5)	545 (3.6)	40 (3.4)	519 (4.2)	3 (1.3)	467 (14.3)	9.9 (0.11)
Serbia	55 (4.3)	515 (4.6)	32 (3.7)	519 (6.1)	12 (2.8)	523 (8.8)	9.7 (0.16)
Bosnia and Herzegovina	55 (3.7)	462 (4.0)	29 (3.5)	459 (5.5)	16 (3.1)	447 (6.9)	9.6 (0.18)
United States	55 (2.6)	552 (4.2)	41 (2.6)	524 (4.4)	4 (1.1)	503 (16.7)	9.9 (0.08)
Finland	53 (3.8)	560 (3.6)	42 (3.8)	552 (2.9)	5 (1.9)	518 (13.4)	9.9 (0.10)
Canada	53 (2.9)	528 (2.3)	43 (3.0)	521 (3.6)	4 (1.0)	489 (9.6)	9.9 (0.09)
Montenegro	52 (0.5)	452 (3.0)	34 (0.4)	458 (4.0)	14 (0.3)	447 (4.2)	9.7 (0.02)
Pakistan	51 (6.5)	281 (19.4)	38 (6.4)	296 (20.1)	11 (2.7)	318 (23.7)	9.4 (0.19)
Hungary	50 (4.7)	538 (3.9)	42 (4.5)	526 (5.8)	8 (2.3)	485 (14.7)	9.7 (0.12)
Cyprus	49 (4.8)	518 (3.7)	45 (4.6)	508 (4.8)	6 (2.3)	483 (7.4)	9.8 (0.16)
Austria	49 (3.7)	533 (3.8)	41 (3.8)	517 (4.4)	10 (2.3)	488 (11.9)	9.6 (0.11)
Kosovo	47 (4.4)	406 (5.7)	26 (3.6)	417 (6.9)	27 (3.7)	423 (6.2)	8.9 (0.21)
Denmark	47 (4.0)	530 (3.8)	52 (3.9)	516 (3.0)	1 (1.0)	--	9.7 (0.11)
Portugal	46 (3.8)	510 (3.5)	45 (3.8)	500 (3.6)	9 (2.1)	494 (5.9)	9.6 (0.14)
Philippines	44 (4.1)	275 (11.2)	52 (3.9)	225 (10.0)	4 (1.6)	268 (19.5)	9.5 (0.11)
Kuwait	44 (3.9)	419 (8.6)	37 (4.1)	377 (10.7)	19 (3.2)	366 (14.6)	9.1 (0.15)
Chile	41 (4.1)	481 (5.0)	49 (4.4)	465 (4.1)	9 (2.5)	443 (10.8)	9.4 (0.13)
Oman	36 (3.2)	437 (6.0)	36 (3.1)	429 (6.0)	28 (3.3)	438 (11.8)	8.7 (0.18)
Poland	36 (4.1)	533 (4.6)	60 (4.2)	528 (3.0)	4 (1.6)	549 (7.7)	9.3 (0.10)
Germany	36 (3.2)	541 (3.1)	52 (3.5)	514 (3.3)	12 (2.0)	473 (8.9)	9.2 (0.09)
Turkey (5)	33 (3.4)	553 (5.3)	40 (3.7)	521 (7.3)	27 (3.3)	502 (9.5)	8.8 (0.16)
Sweden	30 (3.8)	545 (3.9)	65 (4.1)	534 (5.1)	5 (1.5)	509 (15.9)	9.2 (0.10)
Morocco	28 (2.8)	396 (15.4)	24 (2.7)	356 (11.8)	48 (3.5)	371 (9.5)	7.8 (0.18)
South Africa (5)	19 (2.6)	355 (16.5)	53 (3.8)	323 (8.1)	28 (3.7)	313 (10.8)	8.5 (0.09)
International Average	60 (0.5)	498 (0.8)	32 (0.5)	483 (1.0)	8 (0.3)	457 (1.9)	
Benchmarking Participants							
Dubai, UAE	89 (0.1)	547 (2.0)	10 (0.1)	532 (6.1)	0 (0.0)	--	11.1 (0.01)
Madrid, Spain	77 (3.8)	527 (2.0)	19 (3.6)	507 (5.9)	4 (1.4)	522 (8.7)	10.7 (0.14)
Moscow City, Russian Fed.	73 (4.2)	597 (2.6)	26 (4.3)	589 (4.1)	1 (0.6)	--	10.4 (0.11)
Quebec, Canada	60 (4.4)	525 (2.8)	37 (4.4)	518 (4.0)	2 (0.8)	--	10.1 (0.13)
Abu Dhabi, UAE	59 (1.1)	434 (3.6)	38 (1.1)	384 (4.8)	3 (0.1)	350 (12.3)	10.1 (0.04)
Ontario, Canada	42 (5.3)	529 (4.5)	51 (5.5)	525 (5.6)	7 (2.0)	480 (10.2)	9.6 (0.14)

This TIMSS context 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 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.

Exhibit 8.4: School Discipline – Principals’ Reports

Students’ Results based on Principals’ Reports

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	
Kazakhstan	78 (3.7)	491 (3.9)	11 (2.6)	480 (9.6)	11 (2.6)	467 (18.0)	11.7 (0.21)
Hong Kong SAR	76 (3.6)	586 (4.9)	24 (3.6)	555 (13.3)	0 (0.0)	~ ~	11.7 (0.12)
United Arab Emirates	72 (1.5)	486 (2.2)	25 (1.5)	437 (4.0)	3 (0.2)	383 (8.4)	11.6 (0.05)
Singapore	70 (0.0)	624 (4.6)	30 (0.0)	597 (7.6)	0 (0.0)	~ ~	11.4 (0.00)
Chinese Taipei	68 (3.0)	619 (3.4)	32 (3.0)	600 (5.7)	0 (0.0)	~ ~	11.7 (0.11)
Japan	68 (3.5)	598 (3.6)	25 (3.3)	590 (5.1)	7 (2.2)	576 (8.0)	11.0 (0.14)
Ireland	60 (4.1)	534 (3.3)	36 (4.0)	515 (4.4)	3 (1.5)	467 (19.4)	10.9 (0.14)
Bahrain	59 (0.2)	487 (1.9)	28 (0.2)	470 (2.7)	13 (0.1)	476 (8.0)	10.7 (0.01)
Saudi Arabia	58 (3.6)	399 (3.2)	24 (2.8)	391 (4.8)	18 (2.8)	381 (5.5)	10.8 (0.21)
Qatar	53 (3.9)	451 (5.9)	39 (3.5)	439 (9.3)	8 (1.9)	415 (14.6)	10.8 (0.15)
Oman	51 (3.4)	420 (4.6)	27 (3.5)	412 (7.1)	22 (3.1)	388 (7.7)	10.3 (0.20)
Russian Federation	51 (4.0)	547 (5.4)	48 (3.9)	540 (6.4)	1 (0.6)	~ ~	10.7 (0.11)
Korea, Rep. of	50 (4.6)	608 (4.1)	40 (4.3)	605 (4.3)	9 (2.6)	610 (7.1)	10.8 (0.19)
Australia	50 (3.2)	549 (5.5)	44 (3.4)	491 (5.8)	6 (1.7)	467 (7.6)	10.7 (0.10)
Romania	49 (4.1)	497 (6.5)	43 (4.1)	464 (5.5)	8 (2.6)	454 (15.7)	10.6 (0.19)
Lithuania	49 (4.5)	521 (4.3)	50 (4.5)	517 (4.8)	1 (0.7)	~ ~	10.7 (0.12)
Iran, Islamic Rep. of	47 (3.8)	465 (6.4)	46 (3.9)	431 (5.3)	7 (1.9)	419 (12.8)	10.6 (0.13)
Georgia	46 (4.3)	466 (5.9)	41 (4.1)	468 (6.4)	13 (3.0)	425 (11.3)	10.3 (0.19)
Israel	46 (3.6)	541 (7.2)	49 (3.8)	504 (6.4)	5 (1.6)	464 (20.2)	10.5 (0.11)
Hungary	45 (4.0)	535 (6.7)	50 (4.2)	508 (4.7)	5 (1.7)	436 (20.1)	10.4 (0.14)
Malaysia	45 (4.1)	477 (5.5)	49 (4.0)	450 (5.1)	6 (2.0)	424 (14.1)	10.5 (0.15)
Cyprus	44 (0.5)	529 (2.8)	40 (0.5)	483 (2.4)	17 (0.4)	475 (5.5)	10.2 (0.02)
England	43 (5.2)	534 (10.0)	57 (5.2)	511 (9.1)	0 (0.0)	~ ~	10.8 (0.13)
Lebanon	41 (4.3)	436 (4.3)	35 (4.0)	420 (5.9)	24 (3.7)	428 (7.9)	9.6 (0.22)
United States	40 (3.0)	549 (6.3)	54 (2.9)	503 (6.4)	6 (1.7)	466 (15.2)	10.3 (0.10)
Chile	38 (3.9)	464 (5.5)	51 (3.9)	429 (5.0)	12 (2.4)	418 (8.4)	10.1 (0.14)
New Zealand	37 (4.8)	510 (6.3)	61 (4.6)	474 (4.6)	2 (1.3)	~ ~	10.4 (0.16)
France	37 (4.3)	502 (4.3)	56 (4.7)	481 (3.6)	7 (2.5)	427 (7.7)	10.1 (0.14)
Turkey	36 (3.6)	519 (6.6)	44 (4.0)	482 (6.7)	19 (3.2)	483 (14.0)	9.8 (0.18)
Norway (9)	36 (4.7)	511 (3.7)	60 (4.8)	501 (4.3)	4 (1.7)	497 (10.3)	10.2 (0.14)
Jordan	36 (3.6)	432 (9.0)	41 (3.6)	418 (6.5)	23 (3.1)	406 (5.3)	9.8 (0.20)
Italy	33 (4.1)	508 (4.9)	62 (4.2)	493 (3.6)	5 (1.7)	497 (10.8)	10.1 (0.13)
Portugal	32 (3.8)	511 (6.0)	60 (4.1)	497 (4.4)	8 (2.4)	485 (15.1)	10.0 (0.13)
Kuwait	28 (3.9)	421 (9.7)	45 (4.2)	401 (5.9)	28 (3.8)	384 (9.7)	9.3 (0.21)
Finland	26 (3.3)	519 (4.6)	71 (3.3)	506 (2.9)	3 (1.6)	468 (11.4)	10.0 (0.10)
Egypt	25 (3.7)	432 (8.9)	34 (3.9)	407 (8.6)	41 (4.0)	407 (7.9)	8.6 (0.19)
Morocco	17 (3.1)	400 (7.3)	31 (3.2)	380 (5.6)	52 (3.5)	390 (3.5)	8.1 (0.19)
Sweden	14 (3.1)	522 (8.4)	78 (3.8)	503 (2.8)	9 (2.4)	475 (6.4)	9.4 (0.09)
South Africa (9)	11 (1.9)	420 (13.0)	50 (3.0)	395 (3.7)	39 (2.7)	373 (2.9)	8.7 (0.09)
International Average	45 (0.6)	503 (1.0)	43 (0.6)	481 (1.0)	11 (0.4)	448 (2.1)	
Benchmarking Participants							
Dubai, UAE	87 (0.2)	543 (2.5)	12 (0.2)	486 (7.4)	0 (0.0)	~ ~	12.0 (0.01)
Abu Dhabi, UAE	64 (1.3)	447 (4.4)	31 (1.3)	417 (4.7)	5 (0.1)	361 (11.0)	11.3 (0.06)
Moscow City, Russian Fed.	56 (4.6)	579 (5.4)	44 (4.6)	570 (6.4)	0 (0.0)	~ ~	10.8 (0.09)
Quebec, Canada	46 (4.7)	555 (5.0)	49 (4.9)	540 (6.4)	5 (2.2)	538 (7.0)	10.5 (0.15)
Ontario, Canada	37 (5.1)	542 (5.9)	56 (5.5)	522 (8.1)	6 (2.3)	499 (15.6)	10.2 (0.15)
Western Cape, RSA (9)	13 (2.3)	559 (9.4)	43 (3.9)	445 (7.2)	43 (3.9)	402 (5.1)	8.7 (0.12)
Gauteng, RSA (9)	10 (2.1)	502 (13.2)	44 (4.3)	427 (5.5)	46 (3.9)	395 (3.9)	8.5 (0.10)

This TIMSS context 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 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.



Exhibit 8.5: School Discipline – Principals' Reports

Students' Results based on Principals' Reports

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	
Kazakhstan	78 (3.7)	481 (3.7)	11 (2.6)	472 (10.9)	11 (2.6)	464 (18.0)	11.7 (0.21)
Hong Kong SAR	76 (3.6)	505 (6.2)	24 (3.6)	499 (13.2)	0 (0.0)	~ ~	11.7 (0.12)
United Arab Emirates	72 (1.5)	489 (2.7)	25 (1.5)	430 (5.0)	3 (0.2)	345 (7.6)	11.6 (0.05)
Singapore	70 (0.0)	615 (4.4)	30 (0.0)	590 (7.7)	0 (0.0)	~ ~	11.4 (0.00)
Chinese Taipei	68 (3.0)	579 (2.4)	32 (3.0)	564 (4.3)	0 (0.0)	~ ~	11.7 (0.11)
Japan	68 (3.5)	572 (2.7)	25 (3.3)	565 (4.0)	7 (2.2)	559 (6.6)	11.0 (0.14)
Ireland	60 (4.1)	535 (3.5)	36 (4.0)	513 (5.1)	3 (1.5)	469 (23.4)	10.9 (0.14)
Bahrain	59 (0.2)	496 (2.4)	28 (0.2)	465 (2.7)	13 (0.1)	485 (4.8)	10.7 (0.01)
Saudi Arabia	58 (3.6)	438 (3.7)	24 (2.8)	427 (5.9)	18 (2.8)	416 (5.6)	10.8 (0.21)
Qatar	53 (3.9)	479 (5.7)	39 (3.5)	470 (10.0)	8 (1.9)	462 (11.2)	10.8 (0.15)
Oman	51 (3.4)	466 (4.8)	27 (3.5)	456 (8.1)	22 (3.1)	437 (8.7)	10.3 (0.20)
Russian Federation	51 (4.0)	546 (4.8)	48 (3.9)	540 (5.7)	1 (0.6)	~ ~	10.7 (0.11)
Korea, Rep. of	50 (4.6)	561 (3.3)	40 (4.3)	560 (3.3)	9 (2.6)	560 (5.5)	10.8 (0.19)
Australia	50 (3.2)	556 (4.1)	44 (3.4)	506 (5.1)	6 (1.7)	482 (7.7)	10.7 (0.10)
Romania	49 (4.1)	486 (6.2)	43 (4.1)	457 (4.8)	8 (2.6)	445 (11.2)	10.6 (0.19)
Lithuania	49 (4.5)	534 (4.1)	50 (4.5)	531 (4.5)	1 (0.7)	~ ~	10.7 (0.12)
Iran, Islamic Rep. of	47 (3.8)	466 (6.1)	46 (3.9)	436 (5.3)	7 (1.9)	426 (12.6)	10.6 (0.13)
Georgia	46 (4.3)	451 (5.3)	41 (4.1)	451 (5.7)	13 (3.0)	420 (11.1)	10.3 (0.19)
Israel	46 (3.6)	533 (6.5)	49 (3.8)	499 (6.5)	5 (1.6)	472 (20.8)	10.5 (0.11)
Hungary	45 (4.0)	546 (5.7)	50 (4.2)	523 (4.3)	5 (1.7)	457 (18.5)	10.4 (0.14)
Malaysia	45 (4.1)	476 (5.7)	49 (4.0)	449 (5.5)	6 (2.0)	430 (16.0)	10.5 (0.15)
Cyprus	44 (0.5)	509 (3.0)	40 (0.5)	466 (3.3)	17 (0.4)	461 (5.9)	10.2 (0.02)
England	43 (5.2)	535 (9.7)	57 (5.2)	512 (8.3)	0 (0.0)	~ ~	10.8 (0.13)
Lebanon	41 (4.3)	390 (7.7)	35 (4.0)	362 (8.7)	24 (3.7)	374 (12.1)	9.6 (0.22)
United States	40 (3.0)	555 (5.0)	54 (2.9)	511 (6.6)	6 (1.7)	473 (14.6)	10.3 (0.10)
Chile	38 (3.9)	486 (5.1)	51 (3.9)	451 (4.9)	12 (2.4)	439 (8.7)	10.1 (0.14)
New Zealand	37 (4.8)	524 (7.6)	61 (4.6)	493 (4.7)	2 (1.3)	~ ~	10.4 (0.16)
France	37 (4.3)	511 (4.3)	56 (4.7)	484 (3.9)	7 (2.5)	426 (8.3)	10.1 (0.14)
Turkey	36 (3.6)	535 (5.7)	44 (4.0)	504 (5.7)	19 (3.2)	505 (12.5)	9.8 (0.18)
Norway (9)	36 (4.7)	506 (5.1)	60 (4.8)	492 (4.7)	4 (1.7)	488 (12.6)	10.2 (0.14)
Jordan	36 (3.6)	468 (10.2)	41 (3.6)	446 (7.0)	23 (3.1)	437 (7.4)	9.8 (0.20)
Italy	33 (4.1)	509 (4.5)	62 (4.2)	498 (3.6)	5 (1.7)	498 (11.1)	10.1 (0.13)
Portugal	32 (3.8)	527 (5.1)	60 (4.1)	516 (4.0)	8 (2.4)	506 (15.0)	10.0 (0.13)
Kuwait	28 (3.9)	468 (9.6)	45 (4.2)	440 (7.5)	28 (3.8)	423 (10.7)	9.3 (0.21)
Finland	26 (3.3)	555 (5.4)	71 (3.3)	540 (3.7)	3 (1.6)	491 (8.7)	10.0 (0.10)
Egypt	25 (3.7)	409 (8.8)	34 (3.9)	386 (9.9)	41 (4.0)	381 (8.3)	8.6 (0.19)
Morocco	17 (3.1)	406 (8.7)	31 (3.2)	384 (7.0)	52 (3.5)	396 (4.2)	8.1 (0.19)
Sweden	14 (3.1)	545 (9.6)	78 (3.8)	522 (3.5)	9 (2.4)	484 (10.2)	9.4 (0.09)
South Africa (9)	11 (1.9)	406 (18.4)	50 (3.0)	377 (5.0)	39 (2.7)	350 (4.3)	8.7 (0.09)
International Average	45 (0.6)	504 (1.0)	43 (0.6)	482 (1.0)	11 (0.4)	452 (2.1)	
Benchmarking Participants							
Dubai, UAE	87 (0.2)	554 (2.3)	12 (0.2)	499 (7.6)	0 (0.0)	~ ~	12.0 (0.01)
Abu Dhabi, UAE	64 (1.3)	436 (5.4)	31 (1.3)	395 (6.3)	5 (0.1)	305 (8.0)	11.3 (0.06)
Moscow City, Russian Fed.	56 (4.6)	568 (4.0)	44 (4.6)	565 (4.5)	0 (0.0)	~ ~	10.8 (0.09)
Quebec, Canada	46 (4.7)	547 (4.5)	49 (4.9)	535 (6.0)	5 (2.2)	531 (8.9)	10.5 (0.15)
Ontario, Canada	37 (5.1)	531 (5.4)	56 (5.5)	516 (5.2)	6 (2.3)	494 (14.7)	10.2 (0.15)
Western Cape, RSA (9)	13 (2.3)	585 (11.5)	43 (3.9)	443 (8.9)	43 (3.9)	392 (6.2)	8.7 (0.12)
Gauteng, RSA (9)	10 (2.1)	524 (16.6)	44 (4.3)	432 (7.0)	46 (3.9)	388 (5.2)	8.5 (0.10)

This TIMSS context 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 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.

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