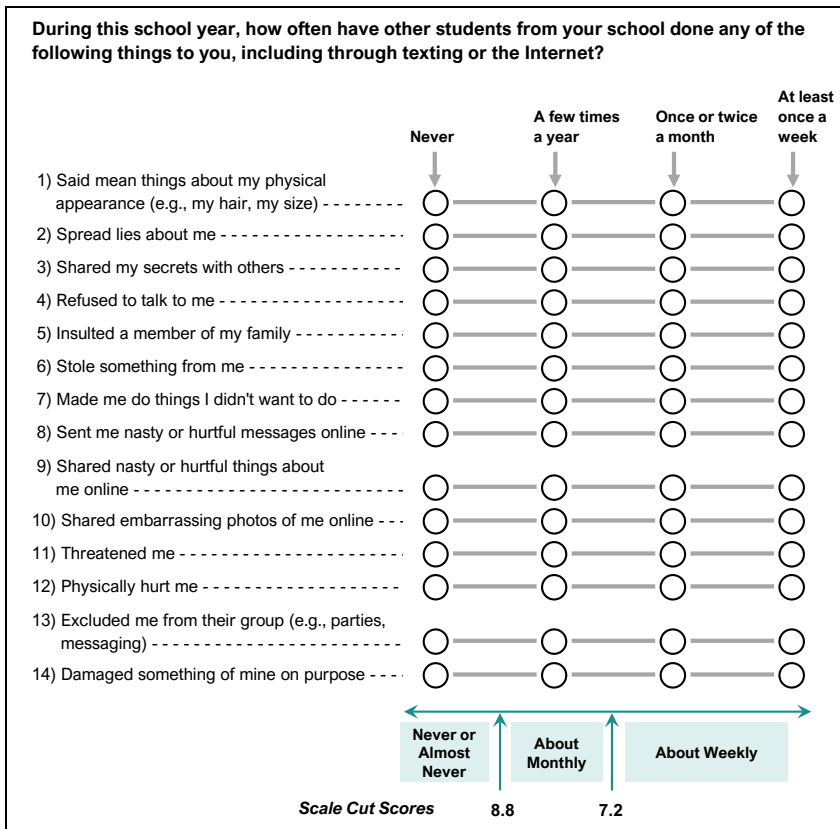


**Exhibit 8.14: Student Bullying**

Students' Reports

**About the Scale**

Students were scored according to their reports regarding fourteen bullying behaviors on the *Student Bullying* scale. Cut scores divide the scale into three categories. Students bullied **Never or Almost Never** had a score at or above the cut score corresponding to reporting that they “never” experienced seven of the fourteen bullying behaviors and experienced the other seven “a few times a year,” on average. Students bullied **About Weekly** had a score at or below the cut score corresponding to reporting that they experienced seven of the fourteen behaviors “once or twice a month” and the other seven “a few times a year,” on average. All other students were bullied **About Monthly**.



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

**Exhibit 8.15: Student Bullying**

Students' Reports

Country	Never or Almost Never		About Monthly		About Weekly		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Japan	93 (0.4)	595 (2.8)	6 (0.4)	591 (5.9)	0 (0.1)	--	11.3 (0.04)
Georgia	89 (0.9)	464 (4.3)	9 (0.8)	453 (8.6)	2 (0.3)	--	11.2 (0.06)
Chinese Taipei	88 (0.5)	614 (2.8)	11 (0.5)	608 (4.9)	1 (0.1)	--	11.0 (0.04)
Korea, Rep. of	87 (0.7)	606 (2.9)	12 (0.6)	611 (5.5)	1 (0.1)	--	11.0 (0.05)
Finland	86 (0.6)	512 (2.5)	12 (0.6)	498 (4.4)	2 (0.2)	--	10.8 (0.04)
Kazakhstan	85 (0.8)	488 (3.3)	14 (0.7)	487 (5.5)	1 (0.2)	--	10.4 (0.05)
Portugal	83 (0.9)	502 (3.3)	16 (0.8)	493 (5.3)	2 (0.3)	--	10.5 (0.05)
Lithuania	81 (0.8)	523 (2.9)	17 (0.8)	516 (4.6)	2 (0.2)	--	10.3 (0.04)
Russian Federation	80 (0.7)	545 (4.6)	17 (0.7)	542 (5.6)	3 (0.3)	519 (11.8)	10.3 (0.04)
Hungary	79 (1.0)	523 (3.0)	18 (0.9)	498 (4.6)	3 (0.4)	438 (12.4)	10.2 (0.04)
Norway (9)	79 (0.9)	507 (2.6)	19 (0.8)	498 (4.3)	2 (0.3)	--	10.3 (0.04)
Sweden	78 (0.8)	508 (2.6)	18 (0.7)	493 (3.9)	3 (0.3)	456 (10.2)	10.3 (0.04)
Italy	78 (1.1)	501 (2.8)	20 (1.0)	491 (3.7)	2 (0.2)	--	10.0 (0.05)
Cyprus	76 (0.9)	505 (1.9)	20 (0.8)	493 (3.4)	4 (0.3)	463 (10.3)	10.1 (0.04)
France	75 (0.8)	486 (2.6)	23 (0.7)	475 (3.3)	2 (0.3)	--	10.1 (0.04)
Iran, Islamic Rep. of	74 (1.0)	456 (3.8)	21 (0.9)	426 (5.1)	5 (0.4)	386 (10.9)	10.2 (0.05)
Ireland	74 (1.0)	530 (2.6)	22 (0.9)	513 (3.4)	4 (0.3)	493 (7.6)	10.0 (0.05)
Chile	73 (0.9)	446 (3.0)	23 (0.8)	434 (3.8)	4 (0.4)	393 (8.6)	9.9 (0.04)
Jordan	72 (1.0)	433 (3.6)	18 (0.6)	409 (5.8)	9 (0.7)	362 (6.7)	10.2 (0.06)
Saudi Arabia	72 (1.1)	403 (2.5)	20 (0.8)	386 (3.7)	8 (0.6)	347 (5.3)	10.2 (0.05)
Turkey	72 (1.1)	503 (4.3)	24 (1.0)	485 (6.6)	4 (0.4)	445 (8.7)	9.9 (0.05)
Hong Kong SAR	69 (1.3)	580 (3.9)	24 (1.0)	586 (5.3)	7 (0.6)	539 (12.4)	9.9 (0.05)
United States	69 (0.7)	526 (4.9)	25 (0.6)	509 (4.3)	7 (0.4)	467 (7.8)	9.8 (0.03)
England	69 (0.9)	526 (5.3)	26 (0.8)	510 (6.5)	6 (0.5)	459 (9.3)	9.8 (0.05)
Kuwait	68 (0.9)	409 (5.0)	24 (0.7)	403 (6.2)	8 (0.7)	360 (7.6)	9.9 (0.05)
Romania	66 (1.4)	489 (4.1)	27 (1.1)	473 (6.3)	8 (0.7)	434 (7.4)	9.6 (0.07)
Singapore	65 (0.8)	625 (4.0)	30 (0.7)	604 (4.5)	5 (0.4)	570 (9.2)	9.5 (0.03)
New Zealand	64 (0.9)	490 (3.4)	28 (0.8)	479 (4.0)	7 (0.4)	441 (7.0)	9.6 (0.04)
Oman	64 (1.0)	427 (2.8)	27 (0.9)	400 (3.7)	9 (0.5)	350 (6.3)	9.6 (0.05)
Australia	64 (0.8)	529 (4.1)	28 (0.7)	505 (4.2)	8 (0.4)	478 (4.9)	9.5 (0.03)
Qatar	63 (1.5)	454 (5.0)	25 (1.0)	448 (4.4)	12 (0.9)	383 (6.8)	9.6 (0.07)
Lebanon	63 (1.6)	438 (3.3)	27 (1.2)	425 (3.9)	10 (0.9)	403 (4.9)	9.5 (0.07)
United Arab Emirates	63 (0.6)	492 (2.1)	25 (0.5)	470 (2.5)	12 (0.3)	398 (3.4)	9.6 (0.02)
Bahrain	62 (0.9)	489 (2.1)	28 (0.7)	474 (2.7)	10 (0.5)	449 (4.7)	9.6 (0.04)
Egypt	61 (1.3)	434 (5.2)	23 (0.8)	402 (5.7)	16 (1.0)	360 (7.2)	9.7 (0.08)
Morocco	57 (0.9)	395 (2.9)	34 (0.8)	384 (2.7)	9 (0.5)	366 (3.4)	9.3 (0.04)
Malaysia	35 (1.0)	474 (3.7)	49 (0.8)	456 (3.6)	16 (0.6)	445 (4.6)	8.6 (0.04)
South Africa (9)	35 (0.7)	413 (2.1)	47 (0.5)	389 (2.4)	18 (0.5)	353 (3.2)	8.4 (0.02)
Israel	--	--	--	--	--	--	--
<b>International Average</b>	<b>71 (0.2)</b>	<b>496 (0.6)</b>	<b>23 (0.1)</b>	<b>482 (0.8)</b>	<b>6 (0.1)</b>	<b>428 (1.5)</b>	
<b>Benchmarking Participants</b>							
Quebec, Canada	78 (1.0)	549 (3.7)	20 (0.9)	531 (5.2)	3 (0.4)	501 (9.8)	10.2 (0.06)
Moscow City, Russian Fed.	77 (1.1)	580 (4.2)	20 (1.0)	566 (5.6)	3 (0.4)	525 (9.2)	10.0 (0.04)
Dubai, UAE	71 (1.0)	544 (2.2)	23 (0.7)	528 (3.7)	6 (0.5)	485 (7.7)	9.9 (0.05)
Ontario, Canada	65 (1.4)	536 (4.5)	28 (1.2)	524 (4.9)	7 (0.6)	510 (10.4)	9.6 (0.06)
Abu Dhabi, UAE	53 (1.0)	465 (3.3)	28 (0.7)	438 (4.0)	19 (0.7)	366 (4.3)	9.1 (0.04)
Western Cape, RSA (9)	52 (0.9)	458 (5.3)	36 (0.7)	434 (4.3)	12 (0.7)	395 (4.8)	9.0 (0.04)
Gauteng, RSA (9)	39 (1.0)	443 (3.7)	47 (0.8)	415 (2.8)	14 (0.5)	381 (4.0)	8.6 (0.03)

This TIMSS context questionnaire scale was established in 2019 based on the combined response distribution of all countries that participated in TIMSS 2019. 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 dash (-) indicates comparable data not available. A tilde (~) indicates insufficient data to report achievement.

## Exhibit 8.16: Student Bullying

Students' Reports

Country	Never or Almost Never		About Monthly		About Weekly		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Japan	93 (0.4)	570 (2.1)	6 (0.4)	566 (5.8)	0 (0.1)	--	11.3 (0.04)
Georgia	89 (0.9)	450 (4.0)	9 (0.8)	437 (7.7)	2 (0.3)	--	11.2 (0.06)
Chinese Taipei	88 (0.5)	576 (2.0)	11 (0.5)	566 (4.5)	1 (0.1)	--	11.0 (0.04)
Korea, Rep. of	87 (0.7)	561 (2.2)	12 (0.6)	561 (4.6)	1 (0.1)	--	11.0 (0.05)
Finland	86 (0.6)	547 (3.0)	12 (0.6)	529 (4.9)	2 (0.2)	--	10.8 (0.04)
Kazakhstan	85 (0.8)	478 (3.0)	14 (0.7)	482 (6.3)	1 (0.2)	--	10.4 (0.05)
Portugal	83 (0.9)	520 (3.0)	16 (0.8)	513 (4.8)	2 (0.3)	--	10.5 (0.05)
Lithuania	81 (0.8)	536 (2.9)	17 (0.8)	530 (5.3)	2 (0.2)	--	10.3 (0.04)
Russian Federation	80 (0.7)	544 (4.5)	17 (0.7)	544 (4.8)	3 (0.3)	516 (11.4)	10.3 (0.04)
Hungary	79 (1.0)	535 (2.7)	18 (0.9)	515 (4.3)	3 (0.4)	471 (10.5)	10.2 (0.04)
Norway (9)	79 (0.9)	499 (3.3)	19 (0.8)	491 (4.0)	2 (0.3)	--	10.3 (0.04)
Sweden	78 (0.8)	528 (3.2)	18 (0.7)	513 (5.2)	3 (0.3)	456 (12.9)	10.3 (0.04)
Italy	78 (1.1)	505 (2.6)	20 (1.0)	491 (4.4)	2 (0.2)	--	10.0 (0.05)
Cyprus	76 (0.9)	489 (2.3)	20 (0.8)	473 (3.6)	4 (0.3)	439 (9.2)	10.1 (0.04)
France	75 (0.8)	493 (2.7)	23 (0.7)	476 (4.3)	2 (0.3)	--	10.1 (0.04)
Iran, Islamic Rep. of	74 (1.0)	460 (3.5)	21 (0.9)	427 (5.3)	5 (0.4)	379 (10.7)	10.2 (0.05)
Ireland	74 (1.0)	530 (2.9)	22 (0.9)	509 (4.1)	4 (0.3)	490 (9.3)	10.0 (0.05)
Chile	73 (0.9)	470 (2.8)	23 (0.8)	451 (4.0)	4 (0.4)	407 (7.6)	9.9 (0.04)
Jordan	72 (1.0)	471 (3.8)	18 (0.6)	436 (6.5)	9 (0.7)	364 (7.2)	10.2 (0.06)
Saudi Arabia	72 (1.1)	446 (2.6)	20 (0.8)	418 (3.5)	8 (0.6)	358 (6.2)	10.2 (0.05)
Turkey	72 (1.1)	523 (3.8)	24 (1.0)	503 (5.5)	4 (0.4)	463 (8.6)	9.9 (0.05)
Hong Kong SAR	69 (1.3)	506 (5.0)	24 (1.0)	509 (6.9)	7 (0.6)	464 (13.4)	9.9 (0.05)
United States	69 (0.7)	533 (4.8)	25 (0.6)	518 (4.2)	7 (0.4)	475 (7.5)	9.8 (0.03)
England	69 (0.9)	527 (5.0)	26 (0.8)	512 (6.2)	6 (0.5)	461 (10.6)	9.8 (0.05)
Kuwait	68 (0.9)	456 (5.3)	24 (0.7)	442 (6.7)	8 (0.7)	376 (10.0)	9.9 (0.05)
Romania	66 (1.4)	478 (4.3)	27 (1.1)	467 (5.4)	8 (0.7)	428 (7.1)	9.6 (0.07)
Singapore	65 (0.8)	616 (3.8)	30 (0.7)	598 (4.5)	5 (0.4)	564 (9.5)	9.5 (0.03)
New Zealand	64 (0.9)	509 (3.6)	28 (0.8)	493 (4.3)	7 (0.4)	457 (6.6)	9.6 (0.04)
Oman	64 (1.0)	478 (2.6)	27 (0.9)	444 (4.5)	9 (0.5)	378 (6.5)	9.6 (0.05)
Australia	64 (0.8)	540 (3.4)	28 (0.7)	517 (3.7)	8 (0.4)	487 (5.0)	9.5 (0.03)
Qatar	63 (1.5)	491 (4.9)	25 (1.0)	475 (5.4)	12 (0.9)	391 (8.1)	9.6 (0.07)
Lebanon	63 (1.6)	391 (4.9)	27 (1.2)	372 (6.8)	10 (0.9)	328 (7.3)	9.5 (0.07)
United Arab Emirates	63 (0.6)	501 (2.4)	25 (0.5)	468 (2.9)	12 (0.3)	362 (4.6)	9.6 (0.02)
Bahrain	62 (0.9)	503 (2.1)	28 (0.7)	479 (2.8)	10 (0.5)	406 (5.8)	9.6 (0.04)
Egypt	61 (1.3)	417 (5.1)	23 (0.8)	379 (5.8)	16 (1.0)	318 (7.8)	9.7 (0.08)
Morocco	57 (0.9)	406 (3.1)	34 (0.8)	384 (3.2)	9 (0.5)	364 (3.9)	9.3 (0.04)
Malaysia	35 (1.0)	476 (3.8)	49 (0.8)	457 (3.8)	16 (0.6)	439 (6.3)	8.6 (0.04)
South Africa (9)	35 (0.7)	407 (3.1)	47 (0.5)	369 (3.2)	18 (0.5)	311 (4.1)	8.4 (0.02)
Israel	--	--	--	--	--	--	--
<b>International Average</b>	<b>71 (0.2)</b>	<b>499 (0.6)</b>	<b>23 (0.1)</b>	<b>482 (0.8)</b>	<b>6 (0.1)</b>	<b>421 (1.6)</b>	
<b>Benchmarking Participants</b>							
Quebec, Canada	78 (1.0)	541 (3.8)	20 (0.9)	524 (4.7)	3 (0.4)	509 (10.4)	10.2 (0.06)
Moscow City, Russian Fed.	77 (1.1)	570 (3.0)	20 (1.0)	558 (4.2)	3 (0.4)	533 (7.6)	10.0 (0.04)
Dubai, UAE	71 (1.0)	558 (2.2)	23 (0.7)	535 (3.4)	6 (0.5)	480 (9.1)	9.9 (0.05)
Ontario, Canada	65 (1.4)	528 (2.9)	28 (1.2)	513 (4.4)	7 (0.6)	507 (10.6)	9.6 (0.06)
Abu Dhabi, UAE	53 (1.0)	463 (4.2)	28 (0.7)	424 (4.9)	19 (0.7)	311 (6.0)	9.1 (0.04)
Western Cape, RSA (9)	52 (0.9)	464 (6.0)	36 (0.7)	429 (5.1)	12 (0.7)	371 (6.4)	9.0 (0.04)
Gauteng, RSA (9)	39 (1.0)	456 (4.5)	47 (0.8)	414 (3.7)	14 (0.5)	361 (5.6)	8.6 (0.03)

This TIMSS context questionnaire scale was established in 2019 based on the combined response distribution of all countries that participated in TIMSS 2019. 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 dash (-) indicates comparable data not available. A tilde (~) indicates insufficient data to report achievement.

