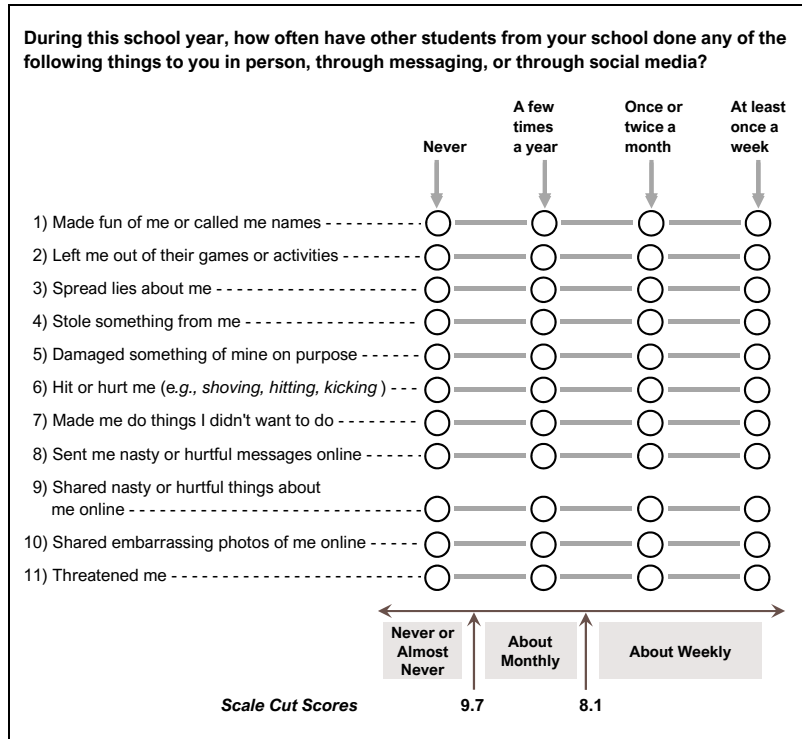


Exhibit 6.1.6: Student Bullying

About the Scale

Students were scored according to their reports regarding eleven 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 six of the eleven bullying behaviors and experienced the other five “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 six of the eleven behaviors “once or twice a month” and the other five “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 2023  
Downloaded from <https://timss2023.org/results>

Exhibit 6.1.7: Student Bullying

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	
Albania	79 (1.4)	523 (4.7)	13 (1.1)	502 (7.9)	8 (1.1)	464 (11.9)	11.1 (0.09)
Armenia	73 (1.2)	528 (2.5)	14 (0.7)	504 (4.4)	13 (0.8)	478 (4.7)	10.9 (0.06)
Australia	48 (1.0)	541 (3.1)	39 (0.8)	529 (3.0)	13 (0.7)	486 (4.9)	9.7 (0.04)
Azerbaijan	53 (1.2)	522 (3.3)	27 (0.8)	498 (3.9)	20 (0.8)	456 (4.6)	10.0 (0.05)
Bahrain	43 (1.3)	487 (4.9)	29 (0.9)	466 (5.2)	28 (1.2)	430 (5.2)	9.4 (0.06)
Belgium (Flemish)	50 (1.1)	533 (2.2)	40 (1.1)	523 (2.5)	11 (0.6)	475 (4.9)	9.8 (0.03)
Belgium (French)	38 (1.0)	506 (2.6)	44 (0.9)	493 (2.7)	18 (0.9)	452 (4.2)	9.4 (0.04)
Bosnia & Herzegovina	58 (1.3)	467 (3.5)	22 (1.1)	451 (6.5)	20 (1.7)	412 (5.7)	10.1 (0.09)
Brazil	48 (1.0)	427 (4.0)	28 (0.8)	418 (4.3)	24 (0.8)	368 (4.2)	9.7 (0.04)
Bulgaria	52 (1.7)	544 (4.4)	35 (1.2)	529 (3.9)	12 (1.0)	481 (8.4)	9.9 (0.07)
Canada	49 (0.9)	519 (2.2)	37 (0.6)	504 (2.3)	13 (0.5)	465 (3.3)	9.8 (0.03)
Chile	52 (1.2)	462 (3.2)	30 (1.0)	451 (3.1)	18 (0.8)	392 (3.9)	9.8 (0.05)
Chinese Taipei	65 (0.8)	612 (1.9)	28 (0.7)	605 (2.1)	7 (0.5)	577 (4.5)	10.5 (0.03)
Cyprus	53 (1.0)	529 (2.5)	32 (0.8)	515 (3.0)	15 (0.8)	479 (4.7)	10.0 (0.05)
Czech Republic	57 (1.1)	543 (2.2)	34 (0.9)	525 (2.8)	9 (0.5)	488 (4.1)	10.2 (0.04)
Denmark	49 (1.1)	535 (2.8)	42 (0.9)	523 (2.3)	10 (0.6)	480 (4.7)	9.7 (0.04)
England	51 (1.4)	567 (3.9)	38 (1.1)	552 (3.4)	12 (0.7)	507 (5.7)	9.8 (0.05)
Finland	71 (0.9)	538 (2.3)	24 (0.8)	524 (3.7)	6 (0.4)	470 (6.2)	10.6 (0.04)
France	66 (1.1)	499 (2.7)	26 (1.0)	473 (4.5)	8 (0.5)	420 (5.9)	10.5 (0.04)
Georgia	69 (1.2)	514 (3.1)	18 (0.9)	498 (5.3)	13 (0.7)	448 (4.8)	10.7 (0.06)
Germany	47 (0.8)	542 (2.3)	40 (0.7)	522 (2.8)	13 (0.6)	478 (4.9)	9.7 (0.03)
Hong Kong SAR	64 (1.1)	604 (3.4)	26 (1.0)	594 (7.2)	9 (0.7)	539 (7.7)	10.4 (0.04)
Hungary	52 (1.1)	532 (3.3)	36 (0.8)	528 (4.2)	11 (0.8)	468 (7.6)	9.9 (0.05)
Iran, Islamic Rep. of	44 (1.2)	441 (4.4)	37 (1.0)	423 (4.6)	20 (0.9)	377 (6.4)	9.6 (0.05)
Ireland	65 (1.1)	556 (2.9)	27 (0.9)	539 (3.6)	8 (0.6)	486 (6.2)	10.4 (0.05)
Italy	47 (1.0)	527 (3.2)	39 (0.9)	515 (3.4)	14 (0.7)	471 (4.5)	9.7 (0.04)
Japan	73 (1.4)	594 (2.3)	24 (1.2)	589 (3.0)	3 (0.4)	549 (11.1)	10.9 (0.06)
Jordan	52 (2.1)	445 (6.5)	23 (1.1)	422 (7.7)	25 (1.6)	402 (5.4)	9.9 (0.10)
Kazakhstan	46 (1.1)	507 (3.6)	35 (0.9)	491 (3.9)	19 (0.8)	450 (4.9)	9.7 (0.05)
Korea, Rep. of	73 (1.0)	598 (2.7)	23 (0.9)	588 (4.0)	4 (0.4)	566 (11.7)	10.9 (0.04)
Kosovo	58 (1.3)	467 (3.5)	24 (0.8)	456 (4.8)	17 (1.0)	409 (5.3)	10.2 (0.06)
Kuwait	41 (1.5)	416 (4.9)	32 (1.1)	398 (5.1)	28 (1.4)	338 (5.9)	9.4 (0.08)
Latvia	36 (1.3)	551 (3.0)	41 (1.1)	539 (3.3)	22 (1.0)	504 (3.7)	9.2 (0.05)
Lithuania	46 (1.3)	575 (3.0)	36 (1.1)	565 (3.2)	18 (0.8)	524 (4.2)	9.5 (0.05)
Macao SAR	51 (0.7)	594 (1.5)	37 (0.6)	577 (1.9)	12 (0.4)	546 (3.0)	9.9 (0.02)
Montenegro	65 (1.0)	495 (2.1)	18 (0.7)	476 (3.5)	18 (0.8)	435 (3.3)	10.5 (0.05)
Morocco	43 (1.6)	422 (6.2)	40 (1.3)	387 (4.9)	18 (1.1)	344 (5.0)	9.6 (0.06)
Netherlands	60 (1.4)	546 (2.1)	32 (1.1)	535 (2.9)	8 (0.7)	489 (5.5)	10.2 (0.05)
New Zealand	41 (1.1)	504 (3.3)	41 (0.8)	499 (3.1)	18 (0.9)	458 (4.0)	9.4 (0.04)
North Macedonia	52 (1.3)	496 (3.7)	25 (1.0)	485 (4.8)	23 (1.0)	441 (4.5)	9.8 (0.06)
Norway (5)	63 (1.0)	538 (2.4)	31 (0.9)	528 (2.4)	6 (0.4)	495 (5.5)	10.3 (0.04)
Oman	33 (1.1)	457 (6.5)	30 (0.8)	423 (3.9)	37 (1.1)	396 (3.9)	8.9 (0.06)
Poland	62 (1.1)	555 (1.9)	30 (0.9)	543 (3.0)	9 (0.5)	500 (4.8)	10.3 (0.04)
Portugal	48 (1.2)	529 (2.8)	39 (0.9)	521 (3.1)	13 (0.7)	470 (4.8)	9.7 (0.04)
Qatar	40 (1.1)	491 (4.1)	32 (0.9)	472 (4.2)	28 (0.9)	428 (4.4)	9.3 (0.05)
Romania	55 (1.4)	558 (4.8)	30 (1.1)	551 (4.9)	15 (1.1)	507 (7.1)	9.9 (0.06)
Saudi Arabia	46 (1.1)	452 (4.7)	24 (0.7)	418 (4.8)	30 (1.0)	395 (4.8)	9.5 (0.06)
Serbia	67 (1.3)	537 (3.2)	22 (1.0)	514 (4.0)	11 (0.8)	479 (6.0)	10.5 (0.06)
Singapore	53 (0.8)	631 (2.5)	35 (0.7)	611 (3.5)	12 (0.5)	558 (5.8)	9.9 (0.03)
Slovak Republic	60 (1.4)	522 (3.5)	31 (1.1)	516 (4.1)	9 (0.6)	478 (5.9)	10.3 (0.05)
Slovenia	60 (0.9)	526 (1.9)	28 (0.7)	515 (2.7)	13 (0.7)	466 (4.3)	10.2 (0.04)
South Africa (5)	25 (1.1)	411 (7.1)	46 (0.9)	363 (3.9)	29 (1.1)	319 (3.5)	8.9 (0.04)
Spain	52 (0.9)	509 (2.3)	36 (0.7)	500 (2.6)	13 (0.6)	463 (3.7)	9.9 (0.03)
Sweden	63 (1.1)	543 (2.6)	30 (0.9)	520 (3.8)	7 (0.5)	476 (8.1)	10.3 (0.04)
Türkiye (5)	43 (1.1)	572 (3.9)	41 (0.9)	553 (4.6)	16 (0.7)	506 (6.1)	9.6 (0.04)
United Arab Emirates	47 (0.5)	528 (1.4)	30 (0.4)	503 (1.7)	23 (0.4)	447 (2.5)	9.7 (0.03)
United States	51 (0.9)	537 (3.2)	34 (0.7)	519 (3.6)	14 (0.6)	463 (4.7)	9.8 (0.03)
Uzbekistan	54 (1.4)	463 (3.1)	24 (0.9)	448 (3.8)	22 (1.1)	404 (4.0)	10.0 (0.07)
<b>International Average</b>	<b>53 (0.2)</b>	<b>520 (0.5)</b>	<b>31 (0.1)</b>	<b>504 (0.5)</b>	<b>15 (0.1)</b>	<b>461 (0.7)</b>	
<b>Benchmarking Participants</b>							
Ontario, Canada	49 (1.6)	516 (3.8)	37 (1.0)	507 (4.0)	14 (0.9)	468 (5.5)	9.7 (0.06)
Quebec, Canada	49 (1.2)	529 (3.1)	40 (1.0)	512 (3.0)	12 (0.7)	474 (5.3)	9.8 (0.04)
Abu Dhabi, UAE	38 (0.8)	498 (2.8)	32 (0.6)	470 (2.8)	30 (0.8)	415 (2.9)	9.2 (0.04)
Dubai, UAE	52 (0.8)	572 (1.8)	33 (0.6)	557 (2.6)	15 (0.6)	516 (4.4)	9.9 (0.04)
Sharjah, UAE	53 (1.7)	527 (3.4)	28 (1.2)	498 (3.5)	19 (1.1)	462 (5.6)	10.0 (0.08)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.

## Exhibit 6.1.8: Student Bullying

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	
Albania	79 (1.4)	503 (4.4)	13 (1.1)	483 (7.4)	8 (1.1)	444 (10.1)	11.1 (0.09)
Armenia	73 (1.2)	471 (2.3)	14 (0.7)	449 (4.3)	13 (0.8)	429 (4.5)	10.9 (0.06)
Australia	48 (1.0)	562 (2.7)	39 (0.8)	554 (2.8)	13 (0.7)	518 (5.6)	9.7 (0.04)
Azerbaijan	53 (1.2)	446 (3.6)	27 (0.8)	425 (3.6)	20 (0.8)	386 (5.3)	10.0 (0.05)
Bahrain	43 (1.3)	507 (5.0)	29 (0.9)	481 (5.1)	28 (1.2)	432 (5.1)	9.4 (0.06)
Belgium (Flemish)	50 (1.1)	503 (2.8)	40 (1.1)	489 (2.5)	11 (0.6)	441 (5.4)	9.8 (0.03)
Belgium (French)	38 (1.0)	497 (2.8)	44 (0.9)	485 (3.2)	18 (0.9)	445 (4.6)	9.4 (0.04)
Bosnia & Herzegovina	58 (1.3)	469 (2.9)	22 (1.1)	451 (6.8)	20 (1.7)	413 (6.9)	10.1 (0.09)
Brazil	48 (1.0)	459 (3.8)	28 (0.8)	443 (4.4)	24 (0.8)	387 (4.5)	9.7 (0.04)
Bulgaria	52 (1.7)	545 (5.8)	35 (1.2)	529 (5.0)	12 (1.0)	476 (10.3)	9.9 (0.07)
Canada	49 (0.9)	537 (2.2)	37 (0.6)	519 (2.2)	13 (0.5)	485 (3.6)	9.8 (0.03)
Chile	52 (1.2)	498 (2.7)	30 (1.0)	488 (3.8)	18 (0.8)	428 (4.3)	9.8 (0.05)
Chinese Taipei	65 (0.8)	579 (1.8)	28 (0.7)	568 (2.4)	7 (0.5)	543 (5.0)	10.5 (0.03)
Cyprus	53 (1.0)	504 (3.2)	32 (0.8)	483 (3.6)	15 (0.8)	443 (5.3)	10.0 (0.05)
Czech Republic	57 (1.1)	538 (2.5)	34 (0.9)	520 (2.9)	9 (0.5)	482 (4.5)	10.2 (0.04)
Denmark	49 (1.1)	535 (2.8)	42 (0.9)	520 (3.0)	10 (0.6)	478 (5.0)	9.7 (0.04)
England	51 (1.4)	569 (3.4)	38 (1.1)	557 (3.3)	12 (0.7)	520 (5.5)	9.8 (0.05)
Finland	71 (0.9)	552 (2.7)	24 (0.8)	537 (4.1)	6 (0.4)	476 (7.8)	10.6 (0.04)
France	66 (1.1)	503 (2.9)	26 (1.0)	478 (5.1)	8 (0.5)	425 (5.9)	10.5 (0.04)
Georgia	69 (1.2)	481 (3.4)	18 (0.9)	464 (4.8)	13 (0.7)	417 (4.9)	10.7 (0.06)
Germany	47 (0.8)	540 (2.9)	40 (0.7)	513 (3.7)	13 (0.6)	456 (5.2)	9.7 (0.03)
Hong Kong SAR	64 (1.1)	555 (3.4)	26 (1.0)	548 (6.5)	9 (0.7)	483 (9.7)	10.4 (0.04)
Hungary	52 (1.1)	535 (3.4)	36 (0.8)	529 (3.8)	11 (0.8)	478 (6.8)	9.9 (0.05)
Iran, Islamic Rep. of	44 (1.2)	455 (4.3)	37 (1.0)	437 (4.9)	20 (0.9)	387 (7.3)	9.6 (0.05)
Ireland	65 (1.1)	543 (3.2)	27 (0.9)	524 (3.7)	8 (0.6)	472 (9.2)	10.4 (0.05)
Italy	47 (1.0)	522 (2.6)	39 (0.9)	513 (3.1)	14 (0.7)	473 (4.1)	9.7 (0.04)
Japan	73 (1.4)	559 (2.4)	24 (1.2)	551 (3.2)	3 (0.4)	512 (9.6)	10.9 (0.06)
Jordan	52 (2.1)	439 (6.0)	23 (1.1)	414 (7.5)	25 (1.6)	387 (5.4)	9.9 (0.10)
Kazakhstan	46 (1.1)	487 (3.7)	35 (0.9)	471 (3.7)	19 (0.8)	426 (5.3)	9.7 (0.05)
Korea, Rep. of	73 (1.0)	588 (2.4)	23 (0.9)	573 (4.1)	4 (0.4)	560 (10.0)	10.9 (0.04)
Kosovo	58 (1.3)	418 (3.4)	24 (0.8)	406 (4.8)	17 (1.0)	363 (6.0)	10.2 (0.06)
Kuwait	41 (1.5)	415 (6.3)	32 (1.1)	392 (6.3)	28 (1.4)	321 (6.9)	9.4 (0.08)
Latvia	36 (1.3)	545 (2.9)	41 (1.1)	531 (3.6)	22 (1.0)	490 (4.6)	9.2 (0.05)
Lithuania	46 (1.3)	553 (2.8)	36 (1.1)	541 (3.1)	18 (0.8)	495 (4.5)	9.5 (0.05)
Macao SAR	51 (0.7)	550 (1.8)	37 (0.6)	529 (1.9)	12 (0.4)	495 (3.9)	9.9 (0.02)
Montenegro	65 (1.0)	482 (1.9)	18 (0.7)	456 (3.6)	18 (0.8)	415 (3.2)	10.5 (0.05)
Morocco	43 (1.6)	425 (6.8)	40 (1.3)	383 (5.7)	18 (1.1)	331 (6.3)	9.6 (0.06)
Netherlands	60 (1.4)	525 (2.6)	32 (1.1)	517 (3.7)	8 (0.7)	466 (7.2)	10.2 (0.05)
New Zealand	41 (1.1)	536 (3.6)	41 (0.8)	525 (2.6)	18 (0.9)	478 (4.8)	9.4 (0.04)
North Macedonia	52 (1.3)	465 (3.8)	25 (1.0)	451 (4.3)	23 (1.0)	407 (5.2)	9.8 (0.06)
Norway (5)	63 (1.0)	539 (2.8)	31 (0.9)	529 (3.0)	6 (0.4)	492 (5.7)	10.3 (0.04)
Oman	33 (1.1)	472 (6.6)	30 (0.8)	439 (4.0)	37 (1.1)	404 (4.4)	8.9 (0.06)
Poland	62 (1.1)	559 (2.1)	30 (0.9)	545 (3.1)	9 (0.5)	506 (4.8)	10.3 (0.04)
Portugal	48 (1.2)	520 (2.3)	39 (0.9)	515 (2.7)	13 (0.7)	468 (4.5)	9.7 (0.04)
Qatar	40 (1.1)	505 (4.2)	32 (0.9)	483 (4.4)	28 (0.9)	428 (4.7)	9.3 (0.05)
Romania	55 (1.4)	544 (4.7)	30 (1.1)	535 (4.6)	15 (1.1)	491 (6.9)	9.9 (0.06)
Saudi Arabia	46 (1.1)	471 (4.4)	24 (0.7)	427 (4.5)	30 (1.0)	392 (4.2)	9.5 (0.06)
Serbia	67 (1.3)	523 (2.8)	22 (1.0)	503 (4.0)	11 (0.8)	467 (6.3)	10.5 (0.06)
Singapore	53 (0.8)	623 (2.3)	35 (0.7)	602 (3.4)	12 (0.5)	557 (5.7)	9.9 (0.03)
Slovak Republic	60 (1.4)	529 (3.6)	31 (1.1)	522 (4.4)	9 (0.6)	480 (6.5)	10.3 (0.05)
Slovenia	60 (0.9)	540 (2.3)	28 (0.7)	526 (3.6)	13 (0.7)	475 (4.5)	10.2 (0.04)
South Africa (5)	25 (1.1)	374 (9.7)	46 (0.9)	308 (5.0)	29 (1.1)	248 (5.1)	8.9 (0.04)
Spain	52 (0.9)	516 (2.0)	36 (0.7)	505 (2.7)	13 (0.6)	463 (3.9)	9.9 (0.03)
Sweden	63 (1.1)	546 (2.9)	30 (0.9)	524 (3.9)	7 (0.5)	474 (8.2)	10.3 (0.04)
Türkiye (5)	43 (1.1)	588 (3.1)	41 (0.9)	570 (3.9)	16 (0.7)	526 (5.2)	9.6 (0.04)
United Arab Emirates	47 (0.5)	532 (2.0)	30 (0.4)	502 (2.5)	23 (0.4)	432 (2.6)	9.7 (0.03)
United States	51 (0.9)	552 (2.8)	34 (0.7)	536 (3.4)	14 (0.6)	482 (4.6)	9.8 (0.03)
Uzbekistan	54 (1.4)	434 (3.5)	24 (0.9)	416 (4.1)	22 (1.1)	367 (4.5)	10.0 (0.07)
<b>International Average</b>	<b>53 (0.2)</b>	<b>513 (0.5)</b>	<b>31 (0.1)</b>	<b>495 (0.5)</b>	<b>15 (0.1)</b>	<b>450 (0.8)</b>	
<b>Benchmarking Participants</b>							
Ontario, Canada	49 (1.6)	540 (3.6)	37 (1.0)	527 (3.9)	14 (0.9)	495 (5.4)	9.7 (0.06)
Quebec, Canada	49 (1.2)	523 (2.8)	40 (1.0)	504 (2.7)	12 (0.7)	466 (5.1)	9.8 (0.04)
Abu Dhabi, UAE	38 (0.8)	496 (3.6)	32 (0.6)	460 (4.0)	30 (0.8)	390 (3.2)	9.2 (0.04)
Dubai, UAE	52 (0.8)	581 (2.2)	33 (0.6)	563 (3.2)	15 (0.6)	516 (4.0)	9.9 (0.04)
Sharjah, UAE	53 (1.7)	531 (4.1)	28 (1.2)	501 (4.0)	19 (1.1)	449 (5.9)	10.0 (0.08)

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. 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.