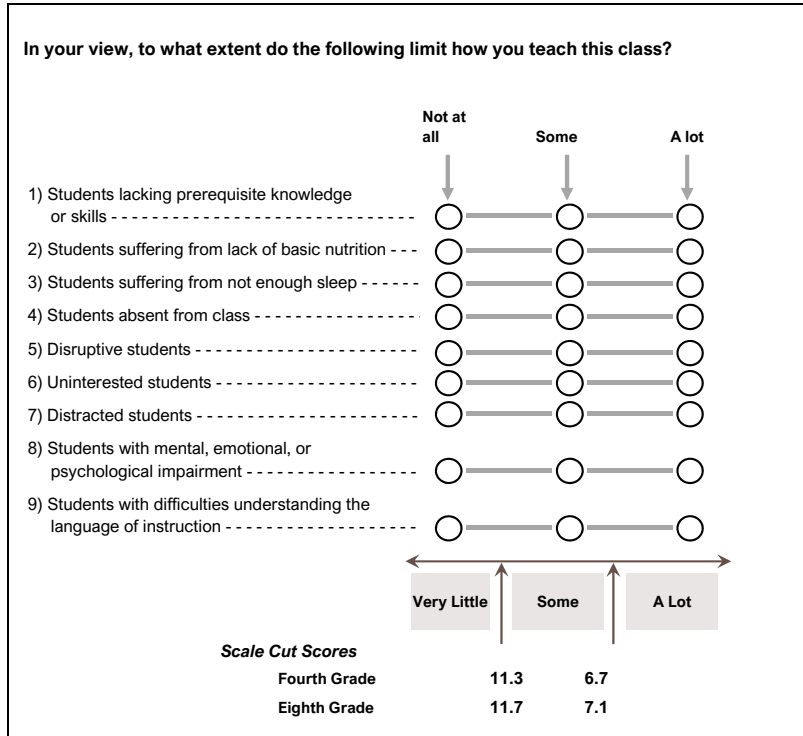


Exhibit 4.2.16: Classroom Teaching Limited by Students Not Ready for Instruction – Teachers’ Reports

About the Scale

Students were scored according to their teachers’ reports regarding nine student attributes on the *Classroom Teaching Limited by Students Not Ready for Instruction* scale. Cut scores divide the scale into three categories. Students with teachers who felt their teaching was limited **Very Little** had a score at or above the cut score corresponding to their teachers reporting they were “not at all” limited by five of the nine student attributes and were limited “some” by the other four, on average. Students with teachers who felt their teaching was limited **A Lot** had a score at or below the cut score corresponding to their teachers reporting they were limited “a lot” by five of the nine attributes and were limited “some” by the other four, on average. All other students had teachers who felt their teaching was limited **Some**.



SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023
Downloaded from <https://timss2023.org/results>

Exhibit 4.2.17: Classroom Teaching Limited by Students Not Ready for Instruction – Teachers’ Reports

Country	Very Little		Some		A Lot		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Albania	69 (5.8)	512 (7.3)	26 (5.5)	503 (9.5)	5 (1.8)	498 (16.8)	11.7 (0.29)
Armenia	31 (3.0)	516 (4.5)	64 (3.5)	512 (3.5)	5 (1.6)	500 (10.1)	10.1 (0.11)
Australia	16 (2.7)	568 (5.5)	75 (3.2)	525 (3.4)	10 (2.7)	489 (19.3)	9.3 (0.17)
Azerbaijan	26 (3.4)	492 (6.9)	66 (3.6)	497 (5.0)	8 (1.7)	477 (11.3)	9.9 (0.18)
Bahrain	35 (3.0)	472 (7.2)	62 (2.9)	459 (5.6)	3 (1.3)	413 (14.7)	10.3 (0.13)
Belgium (Flemish)	23 (2.8)	535 (3.7)	73 (3.0)	521 (2.7)	3 (1.2)	498 (17.5)	9.9 (0.13)
Belgium (French)	7 (1.7)	522 (9.0)	85 (2.4)	492 (2.5)	8 (1.9)	461 (9.9)	9.0 (0.09)
Bosnia & Herzegovina	40 (5.5)	450 (6.9)	57 (5.5)	451 (4.4)	2 ~	~ ~	10.8 (0.21)
Brazil	23 (2.9)	419 (9.9)	69 (3.5)	393 (4.2)	9 (2.0)	407 (15.1)	9.6 (0.12)
Bulgaria	31 (3.4)	560 (6.6)	66 (3.5)	518 (5.3)	4 (1.6)	497 (41.7)	10.4 (0.13)
Canada	11 (1.1)	539 (6.5)	81 (1.7)	502 (2.3)	8 (1.3)	482 (6.8)	9.1 (0.07)
Chile	10 (2.6)	462 (7.6)	78 (3.4)	444 (3.3)	11 (2.6)	423 (12.3)	8.8 (0.17)
Chinese Taipei	14 (2.4)	613 (4.4)	79 (3.0)	607 (1.7)	7 (1.8)	601 (8.5)	9.2 (0.13)
Cyprus	12 (2.0)	533 (5.7)	77 (2.3)	515 (3.0)	11 (1.7)	504 (6.6)	9.2 (0.11)
Czech Republic	45 (2.8)	537 (3.8)	54 (2.8)	525 (2.5)	0 ~	~ ~	11.0 (0.10)
Denmark	28 (3.7)	533 (4.4)	71 (3.7)	522 (2.9)	1 ~	~ ~	10.2 (0.14)
England	18 (3.1)	592 (9.6)	79 (3.4)	545 (3.7)	2 ~	~ ~	9.9 (0.14)
Finland	24 (2.7)	542 (4.4)	74 (2.8)	528 (2.7)	3 (0.9)	481 (11.7)	10.2 (0.12)
France	15 (2.2)	501 (5.4)	78 (2.6)	483 (3.5)	7 (1.9)	468 (10.8)	9.3 (0.11)
Georgia	30 (3.4)	507 (4.9)	65 (3.5)	493 (4.5)	5 (1.6)	511 (6.5)	9.9 (0.14)
Germany	19 (2.9)	548 (4.2)	77 (3.1)	520 (2.4)	4 (1.4)	475 (22.3)	9.7 (0.11)
Hong Kong SAR	36 (5.0)	626 (7.7)	63 (5.0)	576 (5.1)	1 ~	~ ~	10.6 (0.17)
Hungary	35 (3.3)	542 (5.8)	60 (3.3)	509 (5.6)	4 (1.6)	474 (26.0)	10.4 (0.15)
Iran, Islamic Rep. of	16 (2.6)	429 (8.4)	71 (3.1)	414 (5.3)	13 (2.5)	439 (12.8)	9.1 (0.17)
Ireland	18 (3.0)	561 (4.6)	77 (3.1)	543 (3.5)	5 (1.8)	525 (10.6)	9.9 (0.13)
Italy	22 (2.8)	512 (5.1)	67 (3.4)	515 (3.1)	11 (2.5)	502 (13.0)	9.5 (0.18)
Japan	61 (4.5)	593 (2.8)	38 (4.5)	586 (3.9)	0 ~	~ ~	11.9 (0.18)
Jordan	13 (2.9)	464 (12.2)	71 (3.8)	421 (6.5)	16 (3.3)	425 (15.8)	9.0 (0.19)
Kazakhstan	45 (3.3)	486 (5.1)	50 (3.3)	490 (5.5)	5 (1.3)	471 (17.3)	10.8 (0.17)
Korea, Rep. of	23 (3.9)	610 (5.0)	69 (3.9)	591 (3.4)	8 (2.2)	595 (10.4)	9.6 (0.19)
Kosovo	37 (3.8)	456 (5.3)	62 (3.8)	452 (5.2)	0 ~	~ ~	10.8 (0.11)
Kuwait	15 (3.1)	408 (19.8)	82 (3.3)	379 (5.3)	4 (1.6)	327 (23.7)	9.6 (0.14)
Latvia	28 (3.4)	542 (4.2)	69 (3.5)	532 (3.7)	3 (1.0)	533 (14.2)	10.1 (0.13)
Lithuania	14 (2.6)	576 (7.8)	72 (3.3)	557 (3.7)	14 (2.6)	559 (8.3)	8.9 (0.15)
Macao SAR	16 (0.1)	595 (2.4)	81 (0.1)	580 (1.2)	3 (0.0)	559 (6.6)	9.9 (0.00)
Montenegro	38 (2.9)	479 (3.5)	58 (2.9)	475 (3.0)	4 (1.0)	474 (9.6)	10.7 (0.12)
Morocco	7 (2.1)	397 (23.4)	68 (3.8)	403 (6.3)	25 (3.4)	372 (7.5)	8.3 (0.13)
Netherlands	34 (5.2)	546 (4.2)	65 (5.3)	532 (3.8)	1 ~	~ ~	10.5 (0.21)
New Zealand	12 (2.9)	530 (12.2)	83 (3.2)	492 (4.0)	5 (1.7)	479 (10.5)	9.3 (0.15)
North Macedonia	37 (3.5)	493 (5.9)	58 (3.4)	465 (6.0)	5 (1.9)	478 (16.1)	10.6 (0.16)
Norway (5)	15 (2.6)	536 (6.5)	81 (2.7)	531 (2.7)	3 (1.1)	527 (6.3)	9.5 (0.11)
Oman	13 (2.1)	457 (15.5)	67 (2.9)	417 (4.3)	20 (2.6)	413 (9.3)	8.7 (0.15)
Poland	26 (3.3)	552 (4.1)	73 (3.3)	545 (2.5)	1 ~	~ ~	10.3 (0.12)
Portugal	23 (2.9)	536 (5.0)	68 (3.2)	511 (3.7)	9 (2.0)	511 (8.2)	9.7 (0.13)
Qatar	25 (3.0)	491 (7.2)	69 (3.4)	457 (4.4)	5 (1.6)	411 (13.6)	10.0 (0.14)
Romania	35 (4.7)	549 (10.7)	62 (4.8)	540 (5.9)	3 (1.0)	519 (34.0)	10.6 (0.21)
Saudi Arabia	7 (2.0)	449 (16.6)	65 (3.6)	419 (5.4)	28 (3.3)	418 (7.9)	8.0 (0.16)
Serbia	32 (3.5)	534 (5.6)	64 (3.6)	517 (3.9)	4 (1.5)	535 (9.5)	10.4 (0.14)
Singapore	34 (2.8)	632 (4.5)	63 (2.8)	607 (3.5)	3 (0.9)	588 (15.9)	10.5 (0.10)
Slovak Republic	31 (3.2)	530 (3.9)	60 (3.1)	509 (4.1)	9 (2.4)	499 (12.3)	9.9 (0.19)
Slovenia	17 (2.6)	513 (3.9)	76 (2.9)	514 (2.1)	7 (1.7)	506 (5.9)	9.5 (0.14)
South Africa (5)	7 (1.9)	371 (17.9)	83 (2.7)	366 (5.3)	10 (2.1)	345 (8.6)	9.0 (0.10)
Spain	35 (2.8)	510 (3.0)	62 (3.0)	493 (2.8)	3 (0.8)	475 (10.9)	10.5 (0.10)
Sweden	28 (4.1)	543 (4.4)	68 (3.9)	526 (3.6)	4 (1.6)	504 (10.6)	10.1 (0.17)
Türkiye (5)	10 (2.4)	610 (7.0)	78 (3.6)	548 (4.6)	13 (2.6)	544 (13.9)	8.8 (0.16)
United Arab Emirates	31 (1.4)	531 (4.5)	64 (1.6)	489 (2.2)	5 (0.7)	451 (11.5)	10.2 (0.06)
United States	9 (1.5)	558 (13.1)	85 (1.8)	516 (3.2)	6 (1.0)	483 (10.1)	9.0 (0.08)
Uzbekistan	46 (4.2)	444 (5.1)	50 (4.2)	441 (4.4)	4 (1.4)	461 (8.6)	11.1 (0.20)
International Average	25 (0.4)	520 (1.1)	68 (0.4)	500 (0.6)	7 (0.2)	481 (2.1)	
Benchmarking Participants							
Ontario, Canada	12 (1.7)	533 (10.9)	81 (2.7)	502 (3.7)	8 (2.0)	479 (13.4)	9.0 (0.10)
Quebec, Canada	11 (2.7)	523 (9.4)	82 (3.4)	514 (3.3)	7 (2.3)	509 (8.8)	9.1 (0.14)
Abu Dhabi, UAE	25 (2.0)	498 (10.1)	67 (2.3)	449 (3.7)	7 (1.8)	429 (13.7)	9.9 (0.11)
Dubai, UAE	34 (2.5)	580 (3.4)	63 (2.5)	552 (2.6)	3 (0.8)	520 (19.8)	10.5 (0.09)
Sharjah, UAE	39 (4.3)	533 (4.6)	59 (4.5)	490 (4.1)	2 ~	~ ~	10.5 (0.14)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of 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 “s” indicates data are available for at least 50% but less than 70% of the students.

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

Exhibit 4.2.18: Classroom Teaching Limited by Students Not Ready for Instruction – Teachers' Reports

Country	Very Little		Some		A Lot		Average Scale Score	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement		
Albania	r	69 (5.4)	491 (7.1)	27 (5.3)	482 (8.6)	4 (1.5)	476 (21.4)	11.8 (0.27)
Armenia		28 (3.6)	462 (4.4)	66 (3.9)	456 (3.4)	6 (1.7)	457 (9.4)	9.9 (0.14)
Australia	r	18 (2.9)	581 (4.0)	73 (3.4)	548 (3.3)	9 (2.7)	527 (15.0)	9.4 (0.18)
Azerbaijan	r	29 (3.5)	424 (6.1)	65 (3.6)	423 (4.1)	5 (1.4)	404 (12.4)	10.1 (0.15)
Bahrain		35 (3.3)	504 (7.6)	63 (3.5)	461 (4.6)	2 ~	~ ~	10.7 (0.12)
Belgium (Flemish)	r	24 (3.2)	508 (4.0)	72 (3.3)	487 (3.0)	3 (1.2)	463 (20.6)	9.9 (0.13)
Belgium (French)	r	7 (1.8)	515 (8.1)	85 (2.6)	484 (2.9)	8 (2.0)	447 (9.1)	9.0 (0.11)
Bosnia & Herzegovina	r	40 (5.5)	452 (5.0)	57 (5.5)	451 (4.8)	2 ~	~ ~	10.8 (0.21)
Brazil		24 (3.2)	450 (10.1)	68 (3.4)	415 (4.4)	8 (1.9)	429 (17.5)	9.7 (0.12)
Bulgaria		32 (3.6)	564 (7.1)	65 (3.7)	512 (7.6)	3 (1.3)	539 (38.5)	10.5 (0.13)
Canada		11 (1.1)	548 (6.6)	82 (1.7)	520 (2.3)	7 (1.3)	503 (6.7)	9.1 (0.07)
Chile		12 (2.9)	490 (7.7)	77 (3.7)	482 (3.3)	11 (2.7)	453 (12.1)	9.0 (0.19)
Chinese Taipei		19 (2.9)	582 (3.6)	74 (3.3)	570 (2.1)	7 (2.0)	566 (4.6)	9.5 (0.14)
Cyprus		15 (2.7)	495 (7.4)	73 (3.1)	486 (3.6)	12 (2.2)	483 (10.0)	9.3 (0.15)
Czech Republic		46 (3.3)	534 (3.6)	54 (3.3)	519 (3.3)	0 ~	~ ~	11.0 (0.10)
Denmark	r	27 (3.6)	535 (3.9)	72 (3.5)	518 (3.4)	1 ~	~ ~	10.2 (0.16)
England	r	19 (3.5)	591 (8.9)	79 (3.7)	551 (3.2)	2 ~	~ ~	10.0 (0.16)
Finland		24 (2.7)	556 (4.0)	73 (2.8)	541 (3.3)	3 (0.9)	480 (14.2)	10.2 (0.11)
France	r	16 (2.1)	503 (5.2)	77 (2.8)	486 (3.8)	7 (2.0)	483 (11.8)	9.3 (0.12)
Georgia		30 (3.6)	471 (4.4)	65 (3.6)	462 (4.5)	5 (1.6)	479 (8.8)	9.8 (0.17)
Germany		21 (2.9)	538 (5.2)	76 (3.1)	512 (3.2)	3 (1.2)	448 (28.8)	9.8 (0.10)
Hong Kong SAR	s	35 (4.2)	565 (8.0)	64 (4.2)	528 (5.2)	1 ~	~ ~	10.6 (0.16)
Hungary	r	34 (3.6)	538 (5.7)	62 (3.6)	518 (4.7)	5 (1.7)	479 (26.1)	10.3 (0.16)
Iran, Islamic Rep. of		16 (2.6)	444 (9.5)	71 (3.1)	426 (5.8)	13 (2.5)	452 (13.5)	9.1 (0.17)
Ireland		18 (3.0)	549 (5.2)	77 (3.1)	530 (3.7)	5 (1.8)	504 (9.1)	9.9 (0.13)
Italy		22 (2.8)	510 (4.5)	67 (3.4)	512 (2.8)	11 (2.5)	502 (12.0)	9.5 (0.18)
Japan		64 (4.5)	558 (2.7)	34 (4.4)	548 (4.1)	2 ~	~ ~	12.1 (0.21)
Jordan		17 (2.8)	448 (11.8)	69 (4.1)	406 (5.4)	13 (3.2)	440 (22.1)	9.2 (0.17)
Kazakhstan		47 (3.4)	471 (5.8)	48 (3.3)	463 (6.1)	5 (1.3)	467 (17.1)	10.9 (0.17)
Korea, Rep. of		25 (3.9)	595 (4.2)	68 (3.9)	581 (3.5)	7 (2.0)	576 (7.1)	9.7 (0.18)
Kosovo		37 (3.8)	409 (5.6)	62 (3.8)	403 (5.1)	0 ~	~ ~	10.8 (0.11)
Kuwait		20 (3.3)	392 (15.4)	75 (3.5)	373 (6.6)	5 (1.9)	293 (30.4)	9.9 (0.14)
Latvia		22 (3.4)	534 (6.1)	75 (3.7)	524 (3.6)	3 (1.3)	517 (12.0)	10.0 (0.14)
Lithuania		14 (2.6)	551 (7.9)	72 (3.3)	534 (3.7)	14 (2.6)	534 (7.6)	8.9 (0.15)
Macao SAR		26 (0.2)	539 (2.4)	74 (0.2)	535 (1.5)	0 ~	~ ~	10.2 (0.01)
Montenegro		38 (2.9)	464 (3.8)	58 (2.9)	458 (3.2)	4 (1.0)	459 (7.9)	10.7 (0.12)
Morocco		7 (2.1)	389 (26.0)	67 (3.8)	399 (7.1)	25 (3.4)	373 (8.7)	8.3 (0.13)
Netherlands	s	34 (5.2)	528 (4.6)	65 (5.3)	512 (4.5)	1 ~	~ ~	10.5 (0.21)
New Zealand	s	12 (3.2)	554 (9.3)	83 (3.4)	520 (4.4)	5 (1.6)	505 (13.0)	9.3 (0.15)
North Macedonia	r	37 (3.6)	462 (6.2)	58 (3.5)	428 (6.6)	5 (1.9)	445 (19.0)	10.6 (0.16)
Norway (5)	r	15 (2.9)	535 (7.8)	81 (2.9)	532 (2.9)	4 (1.2)	534 (6.1)	9.5 (0.12)
Oman		14 (2.1)	454 (13.1)	68 (2.7)	434 (5.1)	18 (2.5)	411 (6.6)	8.9 (0.15)
Poland		34 (3.6)	553 (3.7)	65 (3.6)	549 (2.8)	1 ~	~ ~	10.7 (0.14)
Portugal		23 (2.9)	527 (4.3)	68 (3.2)	505 (2.8)	9 (2.0)	505 (7.1)	9.7 (0.13)
Qatar		26 (3.1)	500 (6.8)	71 (3.1)	462 (4.3)	3 (1.0)	428 (12.1)	10.2 (0.13)
Romania	s	40 (5.5)	546 (7.6)	55 (5.6)	526 (6.3)	5 (2.0)	518 (19.5)	10.4 (0.21)
Saudi Arabia		11 (2.1)	437 (9.6)	63 (3.6)	427 (5.8)	25 (3.3)	421 (8.3)	8.1 (0.17)
Serbia		32 (3.5)	520 (5.1)	64 (3.6)	504 (3.6)	4 (1.5)	518 (9.5)	10.4 (0.14)
Singapore		37 (3.0)	629 (3.6)	61 (3.0)	596 (3.6)	2 ~	~ ~	10.7 (0.10)
Slovak Republic		33 (3.1)	541 (3.3)	60 (3.2)	512 (4.3)	7 (1.8)	501 (14.8)	10.1 (0.16)
Slovenia		17 (2.6)	527 (4.4)	76 (2.9)	526 (2.5)	7 (1.7)	519 (7.7)	9.5 (0.14)
South Africa (5)	r	6 (1.6)	327 (37.0)	87 (2.2)	308 (6.8)	7 (1.9)	292 (14.3)	9.1 (0.11)
Spain		35 (2.9)	513 (3.3)	62 (3.1)	500 (2.6)	3 (0.9)	469 (9.7)	10.4 (0.11)
Sweden	r	30 (4.1)	540 (5.6)	68 (4.1)	531 (4.4)	2 ~	~ ~	10.1 (0.15)
Türkiye (5)		14 (3.0)	601 (8.2)	76 (3.9)	566 (3.5)	10 (2.8)	561 (14.1)	9.2 (0.14)
United Arab Emirates		32 (1.3)	536 (3.9)	63 (1.5)	481 (3.0)	4 (0.7)	437 (12.4)	10.4 (0.06)
United States		8 (1.4)	558 (12.9)	86 (1.8)	533 (3.0)	6 (1.1)	495 (9.6)	9.1 (0.08)
Uzbekistan		49 (4.4)	412 (5.3)	46 (4.5)	409 (4.5)	5 (1.5)	421 (10.0)	11.2 (0.21)
International Average		26 (0.4)	509 (1.2)	67 (0.5)	491 (0.6)	6 (0.2)	471 (2.3)	
Benchmarking Participants								
Ontario, Canada		12 (1.8)	545 (9.6)	81 (2.7)	525 (3.6)	6 (1.9)	511 (13.1)	9.0 (0.11)
Quebec, Canada		11 (3.0)	518 (10.8)	83 (3.5)	507 (3.1)	6 (2.1)	491 (11.2)	9.2 (0.14)
Abu Dhabi, UAE		25 (2.5)	506 (9.2)	68 (2.6)	431 (4.9)	7 (1.8)	410 (18.1)	9.9 (0.11)
Dubai, UAE		39 (2.4)	587 (3.2)	58 (2.6)	554 (3.7)	3 (0.9)	502 (16.5)	10.8 (0.13)
Sharjah, UAE	r	37 (3.6)	536 (6.9)	61 (3.5)	487 (6.1)	1 ~	~ ~	10.7 (0.13)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of 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 "s" indicates data are available for at least 50% but less than 70% of the students.

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

Exhibit 4.2.19: Classroom Teaching Limited by Students Not Ready for Instruction – Teachers’ Reports

Country	Very Little		Some		A Lot		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Australia	17 (2.6)	576 (6.6)	71 (3.4)	508 (5.6)	12 (3.1)	483 (11.7)	9.6 (0.18)
Austria	27 (3.2)	539 (4.4)	71 (3.3)	510 (3.5)	2 ~	~ ~	10.6 (0.10)
Azerbaijan	26 (3.3)	477 (7.0)	71 (3.3)	479 (5.3)	3 (0.9)	516 (16.6)	10.3 (0.13)
Bahrain	19 (3.1)	480 (12.0)	78 (3.5)	414 (3.6)	3 (1.5)	400 (29.2)	9.9 (0.14)
Brazil	11 (2.0)	419 (7.3)	74 (2.8)	376 (4.2)	15 (2.2)	364 (4.8)	9.2 (0.13)
Chile	6 (2.1)	439 (14.2)	78 (3.8)	418 (3.9)	16 (3.6)	402 (10.0)	8.9 (0.15)
Chinese Taipei	11 (2.4)	632 (10.6)	71 (3.5)	600 (3.8)	18 (3.0)	587 (8.7)	9.2 (0.16)
Cote d'Ivoire	11 (2.6)	271 (13.8)	79 (3.7)	263 (6.0)	11 (2.7)	261 (10.0)	9.3 (0.16)
Cyprus	12 (2.4)	513 (8.3)	82 (2.5)	493 (3.1)	6 (1.5)	455 (8.4)	9.7 (0.12)
Czech Republic	33 (2.9)	542 (4.3)	67 (3.0)	507 (3.1)	1 ~	~ ~	11.0 (0.09)
England	22 (4.1)	586 (11.7)	71 (4.5)	504 (5.8)	7 (3.1)	459 (23.1)	10.1 (0.19)
Finland	20 (2.2)	533 (6.5)	77 (2.3)	498 (2.8)	3 (0.9)	465 (19.2)	10.2 (0.09)
France	16 (2.9)	518 (6.1)	75 (3.5)	478 (3.8)	8 (2.0)	429 (11.7)	9.8 (0.14)
Georgia	12 (2.3)	481 (9.4)	82 (2.8)	466 (3.8)	6 (1.7)	450 (11.6)	9.6 (0.13)
Hong Kong SAR	24 (3.7)	614 (15.4)	74 (3.7)	563 (7.3)	1 ~	~ ~	10.4 (0.11)
Hungary	25 (3.2)	538 (8.2)	71 (3.4)	500 (4.4)	3 (1.1)	409 (19.2)	10.6 (0.12)
Iran, Islamic Rep. of	12 (2.1)	459 (14.2)	73 (3.0)	419 (4.2)	15 (2.4)	414 (7.6)	9.2 (0.12)
Ireland	14 (1.7)	555 (6.0)	83 (1.9)	520 (3.0)	3 (0.8)	478 (11.6)	10.0 (0.10)
Israel	13 (2.2)	542 (14.1)	64 (3.1)	492 (5.8)	23 (2.5)	446 (10.6)	8.9 (0.12)
Italy	17 (2.7)	512 (5.0)	75 (2.9)	499 (3.8)	8 (1.9)	489 (9.6)	9.8 (0.12)
Japan	55 (4.6)	600 (4.7)	45 (4.6)	588 (3.2)	0 ~	~ ~	12.2 (0.22)
Jordan	7 (2.0)	372 (11.0)	83 (3.0)	388 (3.6)	10 (2.3)	403 (12.8)	9.1 (0.12)
Kazakhstan	34 (3.5)	464 (6.9)	62 (3.4)	451 (4.5)	4 (1.5)	430 (16.3)	10.8 (0.19)
Korea, Rep. of	15 (2.6)	595 (7.7)	73 (3.6)	597 (3.8)	12 (2.7)	594 (8.6)	9.5 (0.15)
Kuwait	15 (3.0)	445 (20.6)	80 (3.5)	392 (5.8)	5 (2.0)	367 (12.2)	9.9 (0.13)
Lithuania	6 (1.8)	542 (18.7)	77 (3.1)	512 (4.1)	16 (3.0)	515 (6.6)	8.8 (0.15)
Malaysia	21 (2.3)	460 (6.4)	72 (2.6)	402 (4.4)	7 (1.5)	355 (9.7)	10.0 (0.11)
Malta	16 (0.1)	554 (3.1)	78 (0.1)	496 (1.5)	5 (0.1)	436 (5.9)	9.9 (0.01)
Morocco	2 ~	~ ~	56 (3.4)	377 (4.5)	42 (3.4)	378 (4.7)	7.6 (0.12)
Norway (9)	9 (2.2)	510 (6.2)	83 (2.8)	504 (2.7)	7 (1.8)	477 (5.9)	9.4 (0.13)
Oman	15 (2.1)	426 (6.7)	74 (2.9)	410 (3.4)	12 (2.3)	399 (6.3)	9.4 (0.13)
Palestinian Nat'l Auth.	3 (1.4)	376 (14.1)	77 (3.3)	383 (3.4)	19 (3.2)	383 (7.5)	8.6 (0.15)
Portugal	9 (1.8)	527 (6.7)	76 (2.5)	474 (3.1)	14 (2.3)	455 (10.0)	9.2 (0.13)
Qatar	23 (3.7)	482 (12.5)	70 (4.1)	444 (6.1)	7 (2.5)	415 (15.4)	10.2 (0.17)
Romania	24 (3.4)	524 (13.2)	74 (3.5)	493 (6.3)	1 ~	~ ~	10.5 (0.19)
Saudi Arabia	9 (2.0)	421 (17.3)	70 (3.5)	394 (4.1)	21 (3.1)	398 (7.9)	8.8 (0.15)
Singapore	33 (3.8)	645 (6.1)	65 (3.8)	587 (8.3)	2 ~	~ ~	10.9 (0.13)
South Africa (9)	4 (1.4)	468 (22.9)	84 (2.9)	395 (3.9)	13 (2.6)	383 (8.5)	8.8 (0.12)
Sweden	12 (2.1)	549 (10.8)	86 (2.3)	512 (2.4)	2 ~	~ ~	9.9 (0.10)
Türkiye	16 (2.9)	576 (13.3)	71 (3.1)	500 (5.9)	13 (1.5)	474 (9.8)	9.3 (0.13)
United Arab Emirates	26 (1.4)	525 (4.8)	69 (1.5)	476 (2.6)	4 (0.6)	411 (13.2)	10.4 (0.06)
United States	12 (2.0)	554 (14.7)	79 (2.3)	486 (4.5)	9 (1.5)	427 (7.3)	9.5 (0.10)
Uzbekistan	35 (4.1)	428 (9.6)	61 (4.0)	417 (4.2)	5 (1.6)	429 (11.9)	10.7 (0.21)
International Average	18 (0.4)	506 (1.7)	73 (0.5)	469 (0.7)	9 (0.3)	434 (2.1)	
Benchmarking Participants							
Abu Dhabi, UAE	21 (1.9)	492 (7.4)	73 (2.4)	445 (3.8)	7 (1.5)	380 (14.3)	10.0 (0.12)
Dubai, UAE	33 (2.6)	578 (5.5)	65 (2.6)	536 (4.9)	2 ~	~ ~	10.8 (0.09)
Sharjah, UAE	31 (3.8)	523 (11.0)	66 (3.8)	480 (5.1)	3 (0.9)	428 (11.1)	10.7 (0.15)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of 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 "s" indicates data are available for at least 50% but less than 70% of the students.

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

Exhibit 4.2.20: Classroom Teaching Limited by Students Not Ready for Instruction – Teachers' Reports

Country	Very Little		Some		A Lot		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Australia	15 (2.5)	562 (6.7)	73 (3.7)	522 (4.6)	12 (3.2)	498 (8.0)	9.7 (0.16)
Austria	27 (2.1)	542 (3.3)	70 (2.1)	506 (3.5)	3 (0.7)	442 (12.8)	10.5 (0.08)
Azerbaijan	31 (2.0)	408 (4.4)	65 (2.0)	412 (3.5)	4 (0.8)	404 (7.8)	10.6 (0.10)
Bahrain	32 (4.0)	472 (6.1)	67 (4.2)	443 (3.6)	1 ~	~ ~	10.6 (0.13)
Brazil	14 (2.7)	466 (14.4)	73 (2.8)	410 (4.3)	14 (2.0)	423 (6.1)	9.4 (0.16)
Chile	5 (1.5)	527 (6.8)	80 (3.3)	453 (3.7)	15 (2.9)	442 (8.2)	8.9 (0.14)
Chinese Taipei	18 (3.0)	606 (7.1)	73 (3.4)	566 (2.8)	9 (2.4)	553 (8.2)	9.5 (0.18)
Cyprus	16 (1.7)	482 (7.6)	75 (1.7)	461 (3.4)	8 (0.9)	443 (5.5)	9.8 (0.07)
Czech Republic	33 (1.6)	543 (2.6)	67 (1.7)	519 (2.6)	0 ~	~ ~	11.1 (0.06)
England	15 (3.7)	574 (11.1)	78 (4.9)	526 (6.4)	7 (3.4)	485 (31.6)	9.7 (0.21)
Finland	23 (1.6)	555 (4.7)	74 (1.6)	525 (3.2)	3 (0.5)	492 (10.2)	10.4 (0.07)
France	13 (2.1)	519 (6.2)	82 (2.5)	485 (3.4)	5 (1.4)	462 (9.9)	9.8 (0.12)
Georgia	14 (1.3)	456 (4.4)	77 (1.6)	447 (3.2)	9 (1.1)	447 (4.4)	9.6 (0.07)
Hong Kong SAR	22 (4.2)	560 (10.9)	76 (4.3)	527 (9.1)	1 ~	~ ~	10.4 (0.16)
Hungary	27 (2.0)	538 (4.9)	70 (2.1)	519 (3.7)	3 (0.7)	470 (12.5)	10.5 (0.09)
Iran, Islamic Rep. of	15 (2.3)	428 (13.6)	75 (2.8)	418 (3.8)	11 (2.0)	404 (12.6)	9.5 (0.14)
Ireland	16 (1.7)	544 (4.6)	81 (2.0)	527 (4.7)	3 (1.2)	494 (16.9)	10.1 (0.10)
Israel	12 (2.4)	528 (15.1)	67 (3.1)	486 (4.6)	21 (2.5)	441 (8.0)	9.0 (0.15)
Italy	19 (2.9)	501 (10.4)	75 (3.2)	501 (3.7)	6 (1.7)	489 (12.4)	9.9 (0.13)
Japan	59 (4.5)	563 (3.9)	40 (4.5)	549 (5.3)	1 ~	~ ~	12.2 (0.17)
Jordan	11 (2.5)	413 (11.5)	80 (3.0)	412 (3.9)	9 (1.9)	408 (13.1)	9.4 (0.17)
Kazakhstan	40 (2.0)	450 (4.0)	56 (2.0)	437 (3.3)	4 (0.7)	443 (7.2)	11.2 (0.11)
Korea, Rep. of	21 (2.8)	545 (5.3)	69 (3.1)	548 (2.8)	10 (2.2)	533 (7.3)	9.9 (0.17)
Kuwait	15 (3.1)	483 (18.2)	82 (3.4)	411 (6.0)	3 (1.4)	368 (21.1)	10.0 (0.12)
Lithuania	9 (1.2)	535 (5.5)	74 (1.9)	518 (3.4)	16 (1.6)	513 (4.3)	9.1 (0.09)
Malaysia	26 (2.6)	480 (5.9)	67 (2.7)	412 (4.3)	7 (1.5)	360 (14.4)	10.2 (0.13)
Malta	24 (0.5)	541 (3.0)	66 (0.6)	504 (1.9)	10 (0.3)	434 (5.3)	10.1 (0.03)
Morocco	2 ~	~ ~	71 (2.5)	326 (4.1)	26 (2.4)	327 (7.3)	8.1 (0.10)
Norway (9)	14 (2.9)	505 (8.5)	79 (3.1)	491 (2.7)	6 (1.7)	472 (7.3)	9.8 (0.14)
Oman	16 (2.3)	467 (6.7)	72 (2.7)	455 (3.4)	12 (2.1)	442 (7.1)	9.5 (0.14)
Palestinian Nat'l Auth.	5 (1.7)	416 (11.7)	80 (2.8)	394 (3.2)	15 (2.4)	377 (7.5)	8.9 (0.12)
Portugal	13 (1.6)	535 (5.8)	74 (2.3)	504 (2.7)	14 (1.6)	489 (7.5)	9.4 (0.09)
Qatar	24 (2.8)	511 (8.8)	72 (3.3)	474 (4.8)	4 (1.7)	434 (13.8)	10.5 (0.14)
Romania	29 (3.4)	479 (6.5)	68 (3.3)	467 (4.2)	3 (1.3)	473 (8.7)	10.6 (0.14)
Saudi Arabia	11 (2.3)	455 (11.9)	65 (3.6)	414 (4.5)	24 (3.1)	418 (8.1)	8.8 (0.17)
Singapore	39 (3.5)	644 (5.6)	58 (3.7)	588 (6.7)	3 (1.2)	450 (22.3)	11.1 (0.14)
South Africa (9)	7 (2.0)	386 (18.4)	83 (2.9)	365 (5.5)	10 (2.1)	354 (11.9)	9.2 (0.12)
Sweden	18 (2.8)	549 (8.6)	80 (3.0)	518 (3.4)	2 ~	~ ~	10.1 (0.10)
Türkiye	17 (3.0)	583 (9.7)	68 (3.9)	525 (4.3)	15 (2.7)	490 (7.9)	9.4 (0.19)
United Arab Emirates	29 (1.5)	517 (5.1)	67 (1.6)	472 (3.3)	4 (0.7)	453 (14.5)	10.6 (0.06)
United States	10 (2.2)	532 (17.3)	79 (2.5)	516 (4.8)	11 (2.0)	492 (10.5)	9.2 (0.14)
Uzbekistan	43 (2.5)	402 (5.6)	51 (2.5)	391 (3.3)	6 (1.2)	389 (7.7)	11.1 (0.14)
International Average	20 (0.4)	507 (1.4)	71 (0.5)	475 (0.7)	8 (0.3)	446 (1.9)	
Cote d'Ivoire	8 (1.9)	263 (35.2)	77 (3.8)	164 (5.1)	15 (3.0)	239 (28.6)	9.1 (0.13)
Benchmarking Participants							
Abu Dhabi, UAE	24 (2.0)	498 (9.3)	72 (2.3)	426 (5.4)	4 (1.1)	386 (16.5)	10.3 (0.08)
Dubai, UAE	31 (2.6)	571 (7.0)	64 (2.8)	538 (3.9)	4 (1.2)	536 (20.4)	10.8 (0.10)
Sharjah, UAE	31 (4.1)	516 (11.1)	65 (4.3)	482 (6.2)	4 (1.4)	470 (35.8)	10.8 (0.18)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of 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 "s" indicates data are available for at least 50% but less than 70% of the students.

An "x" indicates data are available for at least 40% but less than 50% of the students—interpret with caution.

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

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023

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