

Exhibit 10.1: Frequency of Student Absences

Students' Reports

Country	Never or Almost Never		Once Every Two Months		Once a Month		Once Every Two Weeks		Once a Week	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Korea, Rep. of	88 (0.7)	604 (2.2)	7 (0.6)	585 (5.8)	3 (0.3)	575 (11.3)	1 (0.2)	~ ~	1 (0.2)	~ ~
France	82 (0.9)	491 (3.0)	6 (0.5)	494 (6.3)	5 (0.4)	474 (6.2)	2 (0.3)	~ ~	5 (0.5)	406 (7.0)
Portugal	82 (0.8)	530 (2.7)	6 (0.5)	531 (6.2)	5 (0.4)	520 (6.0)	2 (0.2)	~ ~	5 (0.4)	469 (5.4)
Chinese Taipei	81 (0.8)	604 (1.8)	11 (0.7)	598 (4.1)	3 (0.3)	589 (7.8)	1 (0.2)	~ ~	3 (0.3)	519 (6.6)
Japan	79 (0.7)	602 (1.7)	12 (0.5)	582 (3.8)	5 (0.4)	557 (5.4)	1 (0.2)	~ ~	3 (0.3)	506 (6.8)
Spain	79 (0.9)	509 (2.3)	6 (0.5)	510 (6.1)	6 (0.4)	491 (5.0)	3 (0.3)	468 (8.9)	7 (0.5)	448 (6.6)
Belgium (Flemish)	79 (0.8)	538 (1.8)	11 (0.6)	529 (3.6)	5 (0.3)	511 (5.6)	2 (0.3)	~ ~	3 (0.3)	480 (6.8)
Austria	78 (0.8)	543 (2.1)	10 (0.5)	548 (3.6)	6 (0.5)	535 (5.5)	2 (0.2)	~ ~	4 (0.4)	482 (5.7)
Germany	77 (0.8)	529 (2.4)	9 (0.6)	529 (4.8)	6 (0.4)	518 (5.3)	2 (0.3)	~ ~	5 (0.4)	471 (6.9)
Lithuania	76 (1.0)	546 (2.8)	10 (0.6)	548 (5.2)	6 (0.5)	552 (7.9)	3 (0.3)	515 (10.5)	4 (0.4)	482 (6.6)
Hong Kong SAR	74 (1.2)	610 (3.5)	14 (0.8)	591 (4.4)	5 (0.5)	590 (7.7)	3 (0.3)	557 (8.9)	4 (0.6)	537 (7.0)
Singapore	74 (0.8)	638 (3.5)	13 (0.5)	623 (4.0)	6 (0.3)	596 (6.6)	2 (0.2)	~ ~	5 (0.5)	516 (7.6)
Cyprus	74 (0.9)	540 (2.7)	11 (0.7)	526 (4.8)	8 (0.4)	519 (5.6)	3 (0.3)	485 (8.7)	4 (0.4)	475 (7.9)
Montenegro	72 (0.7)	464 (2.0)	5 (0.4)	463 (6.3)	7 (0.4)	451 (4.4)	4 (0.3)	437 (8.1)	12 (0.5)	405 (4.3)
Netherlands	71 (1.1)	543 (1.9)	15 (0.8)	539 (3.4)	8 (0.6)	525 (5.7)	2 (0.3)	~ ~	4 (0.4)	496 (7.9)
Russian Federation	71 (1.2)	570 (3.5)	12 (0.7)	573 (4.4)	8 (0.5)	565 (5.2)	3 (0.4)	539 (10.2)	6 (0.4)	535 (6.8)
Albania	69 (1.5)	502 (3.4)	11 (0.9)	513 (5.9)	6 (0.6)	499 (7.5)	3 (0.3)	451 (12.7)	10 (0.7)	449 (5.4)
England	68 (1.0)	565 (3.4)	17 (0.7)	554 (5.3)	8 (0.6)	547 (6.3)	3 (0.3)	524 (14.0)	4 (0.4)	472 (9.0)
Serbia	68 (1.5)	518 (3.3)	9 (1.0)	525 (6.7)	10 (0.9)	504 (7.9)	5 (0.4)	488 (6.8)	9 (0.7)	440 (7.7)
Latvia	67 (1.0)	550 (3.1)	11 (0.5)	551 (4.3)	10 (0.5)	548 (4.7)	4 (0.4)	530 (5.5)	8 (0.5)	518 (6.1)
Northern Ireland	67 (1.0)	580 (2.9)	18 (0.9)	563 (4.6)	9 (0.6)	541 (6.0)	3 (0.4)	514 (10.9)	4 (0.4)	450 (9.3)
Italy	66 (0.9)	519 (2.4)	8 (0.5)	523 (5.3)	10 (0.5)	519 (5.6)	6 (0.4)	502 (6.3)	10 (0.7)	480 (4.4)
Kosovo	66 (1.0)	457 (2.9)	11 (0.9)	452 (6.1)	5 (0.4)	439 (5.5)	3 (0.3)	421 (11.4)	15 (0.8)	403 (5.8)
Malta	66 (0.8)	517 (1.7)	14 (0.6)	514 (4.0)	9 (0.5)	501 (4.4)	4 (0.3)	478 (8.5)	6 (0.4)	458 (5.0)
Norway (5)	66 (1.2)	549 (2.5)	15 (0.9)	557 (3.7)	11 (0.6)	533 (4.5)	4 (0.5)	504 (9.0)	5 (0.4)	495 (7.0)
Morocco	64 (1.2)	394 (4.5)	11 (0.8)	400 (10.4)	9 (0.5)	372 (12.8)	4 (0.4)	334 (12.0)	12 (0.7)	353 (7.1)
United States	63 (0.9)	547 (2.5)	15 (0.6)	548 (3.4)	9 (0.4)	536 (4.5)	5 (0.3)	507 (7.4)	8 (0.4)	457 (4.7)
Bulgaria	62 (1.5)	527 (3.4)	14 (0.9)	538 (4.9)	9 (0.6)	505 (6.5)	5 (0.6)	484 (8.4)	11 (1.3)	445 (11.0)
Chile	61 (0.9)	451 (2.6)	7 (0.4)	460 (6.1)	8 (0.4)	447 (5.7)	6 (0.4)	432 (6.6)	18 (0.9)	409 (4.4)
Bosnia and Herzegovina	61 (1.0)	462 (2.7)	13 (0.7)	463 (3.4)	9 (0.4)	456 (4.4)	4 (0.4)	415 (6.9)	13 (0.7)	410 (4.1)
Poland	60 (0.9)	531 (2.7)	15 (0.6)	527 (4.4)	11 (0.6)	523 (4.9)	5 (0.4)	490 (6.5)	9 (0.5)	458 (4.3)
Canada	60 (0.9)	519 (2.3)	16 (0.6)	517 (3.1)	12 (0.5)	506 (3.1)	5 (0.3)	487 (6.0)	6 (0.4)	455 (4.8)
Ireland	60 (0.9)	559 (2.5)	20 (0.7)	552 (4.1)	11 (0.7)	535 (5.2)	4 (0.3)	515 (7.7)	4 (0.5)	472 (7.8)
Turkey (5)	60 (1.1)	542 (4.4)	14 (0.7)	534 (5.5)	11 (0.6)	511 (5.6)	5 (0.3)	485 (12.1)	10 (0.6)	440 (5.8)
Sweden	60 (1.1)	526 (3.2)	16 (0.7)	534 (4.9)	14 (0.8)	514 (5.1)	5 (0.5)	511 (6.9)	5 (0.4)	472 (7.1)
Bahrain	59 (0.8)	491 (2.8)	8 (0.4)	485 (6.5)	8 (0.4)	484 (4.3)	5 (0.4)	467 (6.5)	19 (0.8)	451 (3.5)
United Arab Emirates	58 (0.5)	497 (1.9)	10 (0.3)	500 (2.8)	9 (0.3)	481 (3.5)	6 (0.2)	445 (3.5)	17 (0.3)	439 (2.8)
Croatia	57 (1.1)	517 (2.9)	22 (0.9)	514 (3.6)	12 (0.7)	496 (4.8)	3 (0.3)	498 (8.0)	7 (0.7)	459 (5.8)
Denmark	57 (1.1)	532 (2.3)	17 (0.7)	533 (3.4)	13 (0.7)	524 (4.1)	5 (0.4)	514 (6.8)	9 (0.6)	477 (5.7)
Australia	57 (0.9)	525 (3.2)	18 (0.8)	531 (4.1)	13 (0.6)	513 (4.2)	6 (0.4)	489 (7.2)	7 (0.5)	435 (7.5)
Oman	55 (0.9)	452 (4.2)	10 (0.8)	438 (6.5)	9 (0.5)	409 (5.0)	5 (0.3)	382 (7.4)	21 (1.0)	401 (5.3)
New Zealand	55 (0.9)	499 (2.9)	18 (0.6)	506 (4.1)	12 (0.6)	484 (5.1)	5 (0.4)	456 (6.6)	9 (0.4)	407 (4.8)
North Macedonia	54 (1.9)	494 (5.7)	13 (1.1)	488 (8.3)	9 (0.7)	468 (7.6)	4 (0.4)	429 (12.8)	20 (1.2)	433 (7.3)
Iran, Islamic Rep. of	53 (1.3)	461 (3.8)	16 (0.8)	456 (6.8)	9 (0.5)	433 (5.3)	7 (1.0)	405 (9.7)	15 (0.8)	397 (5.9)
Kazakhstan	53 (1.5)	523 (3.1)	12 (0.7)	519 (4.4)	10 (0.5)	512 (5.0)	3 (0.3)	494 (6.6)	21 (1.1)	483 (4.0)
Qatar	53 (1.0)	472 (4.3)	11 (0.5)	474 (5.3)	9 (0.5)	441 (7.2)	6 (0.5)	416 (7.7)	21 (0.8)	403 (4.5)
Azerbaijan	50 (1.4)	535 (2.9)	18 (0.9)	525 (4.2)	12 (0.7)	510 (4.5)	5 (0.4)	504 (6.8)	15 (0.9)	486 (4.4)
South Africa (5)	49 (1.2)	401 (4.0)	8 (0.4)	379 (6.1)	11 (0.6)	357 (5.9)	7 (0.5)	318 (4.7)	24 (0.7)	348 (3.8)
Armenia	49 (1.1)	511 (2.7)	11 (0.6)	503 (4.0)	12 (0.6)	499 (4.5)	6 (0.5)	487 (5.3)	22 (0.9)	474 (3.3)
Kuwait	47 (1.6)	410 (5.4)	7 (0.5)	407 (9.8)	11 (0.7)	379 (7.9)	8 (0.5)	350 (9.0)	28 (1.2)	354 (5.4)
Hungary	42 (1.0)	541 (3.3)	27 (0.9)	529 (3.2)	16 (0.6)	517 (4.3)	6 (0.4)	497 (5.6)	9 (0.7)	458 (5.0)
Saudi Arabia	42 (1.2)	419 (4.4)	10 (0.6)	420 (5.1)	11 (0.6)	408 (6.4)	9 (0.5)	376 (6.5)	28 (0.9)	367 (4.2)
Czech Republic	41 (1.0)	540 (3.3)	29 (0.8)	539 (2.9)	16 (0.7)	541 (4.7)	7 (0.4)	518 (6.1)	8 (0.5)	484 (6.3)
Finland	39 (1.0)	537 (3.0)	36 (0.8)	537 (2.6)	17 (0.7)	529 (3.9)	5 (0.3)	515 (6.7)	4 (0.4)	477 (8.1)
Georgia	38 (1.2)	495 (4.1)	17 (1.0)	496 (6.9)	14 (0.9)	489 (4.8)	9 (0.7)	464 (7.1)	21 (1.2)	446 (6.3)
Slovak Republic	35 (1.0)	527 (3.3)	25 (0.9)	522 (4.0)	19 (0.9)	515 (4.8)	8 (0.5)	487 (8.0)	13 (1.0)	451 (7.2)
Philippines	32 (1.5)	329 (7.3)	9 (0.5)	294 (7.6)	14 (0.8)	265 (8.1)	13 (0.8)	263 (7.3)	32 (1.1)	301 (6.5)
Pakistan	30 (3.6)	337 (18.2)	11 (0.8)	323 (13.7)	23 (2.3)	335 (16.3)	10 (1.4)	318 (12.4)	26 (2.4)	320 (11.3)
International Average	61 (0.2)	512 (0.5)	13 (0.1)	509 (0.7)	10 (0.1)	495 (0.8)	5 (0.1)	462 (1.2)	11 (0.1)	448 (0.8)
Benchmarking Participants										
Madrid, Spain	81 (0.8)	522 (2.1)	6 (0.4)	530 (5.1)	6 (0.5)	511 (5.2)	2 (0.2)	~ ~	5 (0.5)	465 (7.2)
Quebec, Canada	71 (0.9)	534 (2.8)	13 (0.6)	539 (4.6)	10 (0.6)	525 (4.7)	3 (0.3)	513 (13.5)	4 (0.5)	484 (8.3)
Moscow City, Russian Fed.	67 (1.0)	594 (2.4)	13 (0.6)	604 (3.5)	11 (0.6)	595 (4.0)	5 (0.3)	583 (6.3)	5 (0.4)	549 (6.3)
Dubai, UAE	60 (0.9)	551 (1.7)	12 (0.6)	551 (3.8)	11 (0.5)	545 (4.3)	5 (0.3)	528 (8.1)	13 (0.5)	511 (3.9)
Ontario, Canada	55 (1.7)	521 (4.2)	18 (1.1)	519 (4.5)	14 (0.9)	507 (5.2)	6 (0.5)	493 (8.6)	7 (0.6)	455 (7.5)
Abu Dhabi, UAE	54 (0.9)	460 (2.3)	9 (0.5)	464 (3.9)	9 (0.4)	439 (5.6)	7 (0.3)	403 (5.0)	20 (0.6)	397 (3.4)

() 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.

Exhibit 10.2: Frequency of Student Absences

Students' Reports

Country	Never or Almost Never		Once Every Two Months		Once a Month		Once Every Two Weeks		Once a Week	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Korea, Rep. of	88 (0.7)	591 (2.1)	7 (0.6)	577 (5.4)	3 (0.3)	569 (10.4)	1 (0.2)	~ ~	1 (0.2)	~ ~
France	82 (0.9)	494 (3.0)	6 (0.5)	495 (6.2)	5 (0.4)	473 (6.9)	2 (0.3)	~ ~	5 (0.5)	411 (7.6)
Portugal	82 (0.8)	507 (2.6)	6 (0.5)	512 (6.7)	5 (0.4)	506 (6.4)	2 (0.2)	~ ~	5 (0.4)	454 (4.7)
Chinese Taipei	81 (0.8)	563 (1.9)	11 (0.7)	556 (3.7)	3 (0.3)	544 (6.5)	1 (0.2)	~ ~	3 (0.3)	481 (7.6)
Japan	79 (0.7)	568 (1.8)	12 (0.5)	562 (3.8)	5 (0.4)	537 (5.5)	1 (0.2)	~ ~	3 (0.3)	473 (7.2)
Spain	79 (0.9)	518 (2.0)	6 (0.5)	511 (6.0)	6 (0.4)	503 (5.6)	3 (0.3)	478 (8.5)	7 (0.5)	454 (5.9)
Belgium (Flemish)	79 (0.8)	506 (2.1)	11 (0.6)	500 (3.8)	5 (0.3)	473 (7.2)	2 (0.3)	~ ~	3 (0.3)	450 (8.8)
Austria	78 (0.8)	528 (2.8)	10 (0.5)	522 (4.5)	6 (0.5)	509 (6.5)	2 (0.2)	~ ~	4 (0.4)	441 (7.5)
Germany	77 (0.8)	527 (2.4)	9 (0.6)	527 (5.6)	6 (0.4)	517 (6.8)	2 (0.3)	~ ~	5 (0.4)	463 (7.5)
Lithuania	76 (1.0)	541 (2.6)	10 (0.6)	547 (4.7)	6 (0.5)	548 (6.8)	3 (0.3)	510 (11.1)	4 (0.4)	485 (6.4)
Hong Kong SAR	74 (1.2)	539 (3.5)	14 (0.8)	526 (5.6)	5 (0.5)	518 (9.3)	3 (0.3)	493 (9.6)	4 (0.6)	455 (7.2)
Singapore	74 (0.8)	608 (3.0)	13 (0.5)	592 (3.9)	6 (0.3)	561 (6.4)	2 (0.2)	~ ~	5 (0.5)	483 (7.6)
Cyprus	74 (0.9)	520 (3.1)	11 (0.7)	504 (4.5)	8 (0.4)	498 (6.1)	3 (0.3)	468 (8.7)	4 (0.4)	454 (8.3)
Montenegro	72 (0.7)	466 (2.7)	5 (0.4)	464 (5.7)	7 (0.4)	452 (6.1)	4 (0.3)	437 (10.2)	12 (0.5)	402 (4.6)
Netherlands	71 (1.1)	525 (2.6)	15 (0.8)	519 (4.6)	8 (0.6)	504 (5.9)	2 (0.3)	~ ~	4 (0.4)	466 (8.4)
Russian Federation	71 (1.2)	570 (3.1)	12 (0.7)	577 (4.1)	8 (0.5)	559 (6.4)	3 (0.4)	539 (10.4)	6 (0.4)	543 (6.3)
Albania	69 (1.5)	499 (3.6)	11 (0.9)	499 (5.7)	6 (0.6)	495 (10.2)	3 (0.3)	457 (13.0)	10 (0.7)	442 (7.0)
England	68 (1.0)	544 (3.2)	17 (0.7)	542 (4.9)	8 (0.6)	528 (5.0)	3 (0.3)	515 (13.1)	4 (0.4)	461 (9.2)
Serbia	68 (1.5)	527 (3.4)	9 (1.0)	531 (7.2)	10 (0.9)	507 (7.6)	5 (0.4)	503 (8.2)	9 (0.7)	458 (10.0)
Latvia	67 (1.0)	545 (2.8)	11 (0.5)	544 (4.7)	10 (0.5)	546 (5.2)	4 (0.4)	535 (4.7)	8 (0.5)	516 (5.3)
Northern Ireland	67 (1.0)	528 (2.4)	18 (0.9)	520 (4.0)	9 (0.6)	498 (4.8)	3 (0.4)	488 (8.6)	4 (0.4)	435 (7.7)
Italy	66 (0.9)	517 (3.0)	8 (0.5)	509 (4.6)	10 (0.5)	508 (7.5)	6 (0.4)	494 (6.1)	10 (0.7)	473 (5.6)
Kosovo	66 (1.0)	427 (3.8)	11 (0.9)	414 (6.5)	5 (0.4)	394 (8.0)	3 (0.3)	380 (11.4)	15 (0.8)	379 (5.9)
Malta	66 (0.8)	505 (1.6)	14 (0.6)	502 (3.9)	9 (0.5)	482 (4.6)	4 (0.3)	460 (8.5)	6 (0.4)	436 (6.1)
Norway (5)	66 (1.2)	543 (2.6)	15 (0.9)	552 (3.6)	11 (0.6)	536 (5.3)	4 (0.5)	522 (8.2)	5 (0.4)	498 (8.0)
Morocco	64 (1.2)	388 (6.0)	11 (0.8)	384 (11.3)	9 (0.5)	356 (15.0)	4 (0.4)	332 (13.4)	12 (0.7)	337 (8.9)
United States	63 (0.9)	549 (2.7)	15 (0.6)	557 (3.7)	9 (0.4)	537 (4.9)	5 (0.3)	510 (7.3)	8 (0.4)	461 (5.3)
Bulgaria	62 (1.5)	536 (4.3)	14 (0.9)	551 (6.0)	9 (0.6)	512 (7.8)	5 (0.6)	480 (9.5)	11 (1.3)	435 (10.1)
Chile	61 (0.9)	480 (2.6)	7 (0.4)	480 (6.9)	8 (0.4)	478 (5.4)	6 (0.4)	457 (5.9)	18 (0.9)	438 (4.0)
Bosnia and Herzegovina	61 (1.0)	468 (3.3)	13 (0.7)	474 (4.0)	9 (0.4)	463 (5.9)	4 (0.4)	430 (7.2)	13 (0.7)	414 (4.6)
Poland	60 (0.9)	541 (2.6)	15 (0.6)	536 (3.9)	11 (0.6)	535 (4.4)	5 (0.4)	507 (7.9)	9 (0.5)	474 (5.6)
Canada	60 (0.9)	529 (2.1)	16 (0.6)	530 (3.1)	12 (0.5)	521 (3.0)	5 (0.3)	510 (5.4)	6 (0.4)	471 (5.4)
Ireland	60 (0.9)	537 (2.8)	20 (0.7)	532 (4.5)	11 (0.7)	517 (5.8)	4 (0.3)	509 (7.6)	4 (0.5)	447 (9.5)
Turkey (5)	60 (1.1)	543 (3.9)	14 (0.7)	536 (5.6)	11 (0.6)	520 (5.1)	5 (0.3)	490 (12.4)	10 (0.6)	456 (6.1)
Sweden	60 (1.1)	542 (3.6)	16 (0.7)	552 (5.0)	14 (0.8)	534 (4.4)	5 (0.5)	520 (6.2)	5 (0.4)	479 (7.9)
Bahrain	59 (0.8)	512 (3.0)	8 (0.4)	496 (8.3)	8 (0.4)	491 (5.2)	5 (0.4)	467 (9.0)	19 (0.8)	446 (4.7)
United Arab Emirates	58 (0.5)	492 (2.3)	10 (0.3)	489 (3.3)	9 (0.3)	471 (4.3)	6 (0.2)	426 (4.7)	17 (0.3)	425 (3.0)
Croatia	57 (1.1)	532 (3.0)	22 (0.9)	525 (2.7)	12 (0.7)	512 (4.6)	3 (0.3)	509 (9.0)	7 (0.7)	479 (4.6)
Denmark	57 (1.1)	527 (2.6)	17 (0.7)	533 (3.5)	13 (0.7)	527 (4.4)	5 (0.4)	508 (6.1)	9 (0.6)	481 (5.1)
Australia	57 (0.9)	538 (2.5)	18 (0.8)	549 (4.4)	13 (0.6)	536 (4.2)	6 (0.4)	508 (7.2)	7 (0.5)	460 (6.8)
Oman	55 (0.9)	463 (4.6)	10 (0.8)	432 (7.6)	9 (0.5)	405 (5.2)	5 (0.3)	379 (8.8)	21 (1.0)	402 (5.4)
New Zealand	55 (0.9)	514 (2.6)	18 (0.6)	519 (3.5)	12 (0.6)	502 (4.4)	5 (0.4)	472 (6.0)	9 (0.4)	424 (5.1)
North Macedonia	54 (1.9)	448 (7.3)	13 (1.1)	442 (9.8)	9 (0.7)	427 (9.2)	4 (0.4)	388 (11.8)	20 (1.2)	384 (8.1)
Iran, Islamic Rep. of	53 (1.3)	459 (4.4)	16 (0.8)	448 (6.6)	9 (0.5)	427 (6.4)	7 (1.0)	410 (8.5)	15 (0.8)	398 (5.8)
Kazakhstan	53 (1.5)	510 (3.8)	12 (0.7)	498 (5.1)	10 (0.5)	493 (5.3)	3 (0.3)	486 (8.3)	21 (1.1)	456 (4.4)
Qatar	53 (1.0)	477 (4.9)	11 (0.5)	471 (6.6)	9 (0.5)	441 (7.6)	6 (0.5)	402 (9.1)	21 (0.8)	399 (4.6)
Azerbaijan	50 (1.4)	446 (3.7)	18 (0.9)	438 (5.2)	12 (0.7)	422 (5.9)	5 (0.4)	422 (8.1)	15 (0.9)	396 (5.0)
South Africa (5)	49 (1.2)	360 (5.3)	8 (0.4)	333 (9.7)	11 (0.6)	307 (7.5)	7 (0.5)	251 (7.1)	24 (0.7)	290 (5.6)
Armenia	49 (1.1)	482 (3.2)	11 (0.6)	472 (5.5)	12 (0.6)	465 (5.4)	6 (0.5)	451 (7.3)	22 (0.9)	441 (4.9)
Kuwait	47 (1.6)	422 (6.6)	7 (0.5)	407 (12.5)	11 (0.7)	387 (10.1)	8 (0.5)	353 (10.8)	28 (1.2)	363 (6.6)
Hungary	42 (1.0)	547 (3.1)	27 (0.9)	533 (3.2)	16 (0.6)	523 (4.5)	6 (0.4)	504 (6.1)	9 (0.7)	469 (5.9)
Saudi Arabia	42 (1.2)	422 (5.0)	10 (0.6)	424 (7.2)	11 (0.6)	411 (6.4)	9 (0.5)	383 (7.7)	28 (0.9)	375 (4.9)
Czech Republic	41 (1.0)	540 (3.0)	29 (0.8)	541 (4.0)	16 (0.7)	543 (3.6)	7 (0.4)	515 (5.5)	8 (0.5)	484 (6.5)
Finland	39 (1.0)	556 (3.4)	36 (0.8)	561 (2.7)	17 (0.7)	554 (4.2)	5 (0.3)	542 (6.2)	4 (0.4)	499 (7.6)
Georgia	38 (1.2)	469 (4.7)	17 (1.0)	466 (6.2)	14 (0.9)	457 (5.8)	9 (0.7)	443 (7.1)	21 (1.2)	420 (7.3)
Slovak Republic	35 (1.0)	541 (3.4)	25 (0.9)	536 (3.7)	19 (0.9)	520 (6.3)	8 (0.5)	498 (7.9)	13 (1.0)	457 (7.6)
Philippines	32 (1.5)	287 (8.9)	9 (0.5)	249 (10.5)	14 (0.8)	219 (8.9)	13 (0.8)	220 (9.8)	32 (1.1)	244 (7.6)
Pakistan	30 (3.6)	303 (22.8)	11 (0.8)	300 (16.3)	23 (2.3)	290 (17.7)	10 (1.4)	279 (16.4)	26 (2.4)	279 (13.0)
International Average	61 (0.2)	503 (0.6)	13 (0.1)	498 (0.8)	10 (0.1)	484 (0.9)	5 (0.1)	455 (1.3)	11 (0.1)	437 (0.9)
Benchmarking Participants										
Madrid, Spain	81 (0.8)	527 (2.1)	6 (0.4)	527 (5.2)	6 (0.5)	518 (4.5)	2 (0.2)	~ ~	5 (0.5)	471 (6.1)
Quebec, Canada	71 (0.9)	524 (2.8)	13 (0.6)	527 (4.6)	10 (0.6)	516 (5.8)	3 (0.3)	510 (8.8)	4 (0.5)	477 (9.7)
Moscow City, Russian Fed.	67 (1.0)	596 (2.7)	13 (0.6)	605 (3.9)	11 (0.6)	601 (4.0)	5 (0.3)	590 (7.4)	5 (0.4)	549 (8.1)
Dubai, UAE	60 (0.9)	552 (1.6)	12 (0.6)	549 (3.8)	11 (0.5)	544 (4.6)	5 (0.3)	529 (8.5)	13 (0.5)	513 (4.8)
Ontario, Canada	55 (1.7)	533 (3.3)	18 (1.1)	530 (5.3)	14 (0.9)	522 (4.4)	6 (0.5)	513 (8.1)	7 (0.6)	468 (8.0)
Abu Dhabi, UAE	54 (0.9)	442 (3.1)	9 (0.5)	442 (4.9)	9 (0.4)	417 (6.0)	7 (0.3)	369 (7.2)	20 (0.6)	369 (3.9)

() 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.

Exhibit 10.3: Frequency of Student Absences

Students' Reports

Country	Never or Almost Never		Once Every Two Months		Once a Month		Once Every Two Weeks		Once a Week	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Korea, Rep. of	94 (0.4)	612 (2.8)	3 (0.3)	558 (10.5)	2 (0.2)	~ ~	1 (0.1)	~ ~	0 (0.1)	~ ~
Japan	84 (0.7)	600 (2.7)	9 (0.4)	583 (5.0)	4 (0.3)	554 (7.4)	2 (0.2)	~ ~	2 (0.2)	~ ~
Chinese Taipei	83 (0.8)	620 (2.8)	9 (0.5)	607 (5.0)	4 (0.3)	568 (8.1)	2 (0.2)	~ ~	2 (0.3)	~ ~
Hong Kong SAR	81 (0.9)	584 (3.9)	11 (0.7)	584 (6.3)	5 (0.4)	550 (10.7)	1 (0.2)	~ ~	2 (0.4)	~ ~
Portugal	79 (0.9)	504 (3.2)	10 (0.6)	505 (6.0)	7 (0.5)	485 (5.6)	2 (0.4)	~ ~	2 (0.3)	~ ~
Singapore	75 (0.8)	629 (3.3)	13 (0.5)	607 (5.6)	7 (0.4)	569 (7.5)	3 (0.3)	538 (9.2)	2 (0.3)	~ ~
Iran, Islamic Rep. of	65 (1.0)	456 (3.8)	18 (0.7)	450 (6.0)	10 (0.5)	427 (6.2)	3 (0.2)	415 (7.8)	5 (0.4)	367 (7.9)
Morocco	63 (1.0)	396 (2.7)	11 (0.5)	392 (3.6)	10 (0.5)	380 (3.6)	4 (0.3)	369 (5.0)	12 (0.6)	359 (3.6)
France	63 (1.0)	494 (2.8)	16 (0.7)	484 (3.6)	13 (0.7)	466 (3.6)	5 (0.5)	448 (6.3)	4 (0.5)	416 (7.6)
South Africa (9)	62 (0.8)	399 (2.3)	9 (0.3)	418 (3.8)	10 (0.4)	384 (2.7)	4 (0.2)	377 (4.7)	15 (0.5)	345 (2.7)
Lebanon	62 (1.3)	438 (3.6)	15 (0.7)	436 (4.5)	11 (0.6)	422 (5.3)	4 (0.3)	413 (6.5)	9 (0.7)	384 (4.3)
Cyprus	60 (1.1)	514 (2.4)	20 (0.8)	499 (3.6)	14 (0.7)	474 (4.6)	4 (0.3)	478 (7.1)	2 (0.3)	~ ~
Romania	60 (1.4)	494 (4.8)	12 (0.7)	482 (7.7)	12 (0.8)	469 (6.0)	7 (0.6)	457 (6.4)	10 (0.7)	422 (7.7)
Turkey	59 (1.0)	523 (4.1)	16 (0.6)	489 (5.6)	13 (0.7)	459 (5.5)	5 (0.4)	436 (10.0)	5 (0.5)	383 (8.5)
Oman	59 (0.9)	429 (2.5)	15 (0.5)	416 (3.8)	10 (0.4)	397 (5.6)	5 (0.4)	375 (6.4)	11 (0.5)	344 (5.7)
England	59 (1.1)	529 (5.5)	23 (0.9)	517 (5.9)	11 (0.7)	496 (7.7)	4 (0.4)	473 (9.1)	3 (0.3)	447 (15.4)
Lithuania	57 (1.1)	523 (3.3)	14 (0.7)	529 (5.0)	18 (0.8)	525 (3.8)	7 (0.5)	512 (6.3)	3 (0.3)	457 (9.1)
Chile	57 (0.9)	445 (3.1)	11 (0.6)	460 (4.5)	15 (0.6)	448 (3.8)	8 (0.5)	435 (6.0)	9 (0.6)	392 (4.4)
Norway (9)	57 (1.0)	510 (2.7)	19 (0.8)	511 (3.8)	16 (0.7)	503 (4.7)	6 (0.4)	479 (5.7)	3 (0.3)	448 (11.8)
Kazakhstan	54 (1.2)	499 (3.6)	20 (0.9)	486 (4.3)	12 (0.6)	477 (5.4)	4 (0.4)	460 (7.4)	9 (0.7)	454 (5.4)
Russian Federation	54 (1.1)	545 (4.6)	15 (0.6)	551 (5.5)	16 (0.7)	546 (6.2)	9 (0.5)	540 (6.5)	6 (0.5)	515 (8.5)
Sweden	54 (1.0)	511 (3.0)	16 (0.6)	508 (4.2)	15 (0.7)	504 (3.8)	8 (0.4)	489 (4.9)	6 (0.5)	454 (5.1)
United Arab Emirates	52 (0.5)	495 (2.0)	16 (0.5)	495 (3.3)	14 (0.3)	462 (2.6)	8 (0.3)	428 (3.8)	10 (0.3)	395 (3.3)
United States	51 (0.7)	524 (6.0)	22 (0.6)	528 (4.5)	15 (0.5)	515 (4.4)	8 (0.4)	493 (6.2)	4 (0.3)	424 (8.3)
Bahrain	48 (0.9)	491 (2.9)	14 (0.6)	492 (4.4)	17 (0.6)	481 (4.3)	9 (0.5)	471 (5.1)	12 (0.5)	435 (3.9)
Ireland	46 (1.0)	534 (2.9)	23 (0.7)	535 (3.5)	18 (0.7)	519 (3.6)	9 (0.6)	490 (4.5)	4 (0.4)	461 (9.9)
Jordan	46 (1.0)	438 (3.7)	18 (0.6)	428 (5.0)	16 (0.7)	411 (5.2)	9 (0.5)	398 (6.4)	11 (0.8)	379 (10.6)
Italy	46 (1.1)	504 (2.9)	16 (0.8)	514 (3.8)	21 (0.8)	503 (3.5)	12 (0.7)	477 (4.7)	5 (0.5)	428 (6.5)
Australia	46 (1.1)	535 (4.2)	23 (0.7)	524 (4.9)	17 (0.6)	509 (4.6)	8 (0.4)	477 (4.8)	5 (0.4)	439 (6.8)
New Zealand	44 (1.1)	492 (4.3)	22 (0.6)	506 (4.2)	18 (0.6)	480 (3.6)	10 (0.6)	462 (4.9)	7 (0.4)	405 (6.5)
Qatar	43 (1.5)	476 (4.7)	18 (0.8)	449 (5.4)	17 (0.9)	431 (5.5)	10 (0.6)	411 (4.2)	12 (0.8)	360 (4.7)
Kuwait	43 (1.5)	427 (4.9)	10 (0.6)	423 (6.6)	15 (0.6)	395 (5.5)	13 (0.6)	386 (5.9)	20 (1.0)	362 (6.8)
Malaysia	40 (1.4)	495 (3.3)	18 (0.7)	475 (4.2)	14 (0.7)	450 (4.2)	10 (0.6)	428 (4.6)	17 (1.1)	394 (4.4)
Israel	40 (1.1)	534 (5.0)	18 (0.7)	541 (5.6)	20 (0.6)	522 (5.5)	11 (0.6)	508 (6.3)	11 (0.7)	452 (6.3)
Egypt	38 (1.1)	427 (5.5)	9 (0.6)	413 (8.0)	9 (0.6)	407 (7.9)	10 (0.4)	404 (6.7)	34 (1.3)	408 (6.2)
Finland	33 (0.8)	520 (3.0)	32 (0.8)	516 (3.2)	22 (0.6)	505 (3.0)	9 (0.4)	492 (5.0)	4 (0.4)	461 (6.2)
Hungary	32 (0.9)	532 (4.2)	36 (0.9)	523 (3.7)	22 (0.7)	508 (3.9)	7 (0.6)	485 (7.0)	3 (0.4)	409 (10.8)
Saudi Arabia	27 (1.0)	419 (3.5)	14 (0.5)	407 (4.4)	20 (0.7)	398 (3.9)	18 (0.6)	388 (3.3)	22 (0.8)	358 (3.3)
Georgia	25 (1.1)	477 (5.4)	17 (0.8)	472 (5.5)	26 (1.0)	464 (5.2)	16 (0.8)	465 (6.3)	16 (0.9)	418 (6.6)
International Average	55 (0.2)	502 (0.6)	16 (0.1)	495 (0.8)	14 (0.1)	475 (0.9)	7 (0.1)	452 (1.1)	8 (0.1)	412 (1.3)
Benchmarking Participants										
Gauteng, RSA (9)	62 (1.0)	431 (3.2)	12 (0.5)	443 (4.8)	11 (0.5)	405 (4.2)	3 (0.3)	406 (9.0)	11 (0.5)	365 (4.0)
Western Cape, RSA (9)	60 (1.0)	449 (4.9)	12 (0.5)	480 (6.1)	11 (0.5)	435 (6.0)	5 (0.4)	436 (7.7)	12 (0.6)	375 (3.6)
Quebec, Canada	60 (1.3)	548 (4.0)	18 (0.9)	556 (4.4)	13 (0.7)	538 (4.3)	6 (0.6)	520 (5.8)	4 (0.5)	492 (12.3)
Dubai, UAE	55 (1.0)	547 (2.2)	19 (0.6)	551 (2.9)	13 (0.5)	528 (3.8)	7 (0.5)	498 (6.4)	6 (0.5)	458 (7.2)
Abu Dhabi, UAE	45 (0.8)	468 (3.3)	17 (0.6)	458 (3.7)	15 (0.5)	423 (4.5)	10 (0.4)	389 (5.1)	13 (0.6)	365 (4.6)
Moscow City, Russian Fed.	44 (1.1)	578 (4.4)	17 (0.7)	585 (4.7)	21 (0.7)	577 (4.9)	11 (0.6)	572 (7.0)	7 (0.5)	535 (8.5)
Ontario, Canada	39 (1.3)	540 (4.8)	24 (0.9)	538 (5.5)	21 (0.8)	528 (5.1)	12 (0.8)	508 (5.4)	4 (0.4)	470 (9.7)

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. A tilde (~) indicates insufficient data to report achievement.

Exhibit 10.4: Frequency of Student Absences

Students' Reports

Country	Never or Almost Never		Once Every Two Months		Once a Month		Once Every Two Weeks		Once a Week	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Korea, Rep. of	94 (0.4)	565 (2.1)	3 (0.3)	515 (9.4)	2 (0.2)	~ ~	1 (0.1)	~ ~	0 (0.1)	~ ~
Japan	84 (0.7)	574 (2.1)	9 (0.4)	560 (5.0)	4 (0.3)	548 (7.0)	2 (0.2)	~ ~	2 (0.2)	~ ~
Chinese Taipei	83 (0.8)	581 (1.9)	9 (0.5)	569 (4.2)	4 (0.3)	542 (6.2)	2 (0.2)	~ ~	2 (0.3)	~ ~
Hong Kong SAR	81 (0.9)	508 (5.2)	11 (0.7)	508 (8.1)	5 (0.4)	487 (10.6)	1 (0.2)	~ ~	2 (0.4)	~ ~
Portugal	79 (0.9)	521 (2.9)	10 (0.6)	524 (5.0)	7 (0.5)	516 (6.8)	2 (0.4)	~ ~	2 (0.3)	~ ~
Singapore	75 (0.8)	620 (3.2)	13 (0.5)	598 (5.7)	7 (0.4)	563 (7.7)	3 (0.3)	536 (9.3)	2 (0.3)	~ ~
Iran, Islamic Rep. of	65 (1.0)	459 (3.6)	18 (0.7)	452 (5.6)	10 (0.5)	430 (5.8)	3 (0.2)	421 (8.9)	5 (0.4)	371 (8.7)
Morocco	63 (1.0)	406 (3.0)	11 (0.5)	390 (4.6)	10 (0.5)	380 (3.3)	4 (0.3)	370 (6.7)	12 (0.6)	360 (4.2)
France	63 (1.0)	500 (2.7)	16 (0.7)	492 (4.2)	13 (0.7)	471 (4.4)	5 (0.5)	451 (6.6)	4 (0.5)	407 (7.6)
South Africa (9)	62 (0.8)	383 (3.1)	9 (0.3)	402 (5.0)	10 (0.4)	365 (4.3)	4 (0.2)	352 (6.8)	15 (0.5)	313 (3.6)
Lebanon	62 (1.3)	389 (5.4)	15 (0.7)	385 (7.4)	11 (0.6)	365 (8.2)	4 (0.3)	361 (11.1)	9 (0.7)	317 (7.0)
Cyprus	60 (1.1)	498 (2.6)	20 (0.8)	482 (3.9)	14 (0.7)	456 (4.8)	4 (0.3)	460 (7.9)	2 (0.3)	~ ~
Romania	60 (1.4)	486 (4.8)	12 (0.7)	473 (7.2)	12 (0.8)	455 (6.5)	7 (0.6)	455 (6.5)	10 (0.7)	410 (8.3)
Turkey	59 (1.0)	539 (3.7)	16 (0.6)	509 (4.8)	13 (0.7)	488 (5.2)	5 (0.4)	465 (8.8)	5 (0.5)	405 (6.9)
Oman	59 (0.9)	478 (2.5)	15 (0.5)	466 (4.0)	10 (0.4)	438 (6.0)	5 (0.4)	407 (7.0)	11 (0.5)	387 (6.4)
England	59 (1.1)	531 (5.1)	23 (0.9)	520 (5.2)	11 (0.7)	496 (8.5)	4 (0.4)	467 (10.4)	3 (0.3)	439 (17.2)
Lithuania	57 (1.1)	535 (3.2)	14 (0.7)	543 (4.5)	18 (0.8)	539 (3.7)	7 (0.5)	529 (6.3)	3 (0.3)	482 (9.1)
Chile	57 (0.9)	467 (3.2)	11 (0.6)	484 (5.1)	15 (0.6)	467 (4.2)	8 (0.5)	458 (4.8)	9 (0.6)	412 (4.8)
Norway (9)	57 (1.0)	501 (3.3)	19 (0.8)	505 (4.0)	16 (0.7)	495 (4.6)	6 (0.4)	476 (7.4)	3 (0.3)	446 (14.6)
Kazakhstan	54 (1.2)	492 (3.3)	20 (0.9)	476 (3.9)	12 (0.6)	460 (5.5)	4 (0.4)	459 (10.3)	9 (0.7)	436 (6.2)
Russian Federation	54 (1.1)	546 (4.2)	15 (0.6)	546 (5.7)	16 (0.7)	544 (5.7)	9 (0.5)	537 (6.5)	6 (0.5)	512 (7.9)
Sweden	54 (1.0)	535 (3.6)	16 (0.6)	529 (5.0)	15 (0.7)	519 (4.7)	8 (0.4)	504 (5.8)	6 (0.5)	457 (8.0)
United Arab Emirates	52 (0.5)	502 (2.5)	16 (0.5)	500 (4.2)	14 (0.3)	459 (3.1)	8 (0.3)	414 (4.8)	10 (0.3)	367 (4.5)
United States	51 (0.7)	529 (5.9)	22 (0.6)	537 (4.3)	15 (0.5)	524 (4.1)	8 (0.4)	506 (5.8)	4 (0.3)	422 (9.5)
Bahrain	48 (0.9)	503 (3.0)	14 (0.6)	515 (4.2)	17 (0.6)	485 (4.1)	9 (0.5)	457 (5.4)	12 (0.5)	410 (5.9)
Ireland	46 (1.0)	534 (3.3)	23 (0.7)	533 (3.7)	18 (0.7)	519 (4.1)	9 (0.6)	491 (5.1)	4 (0.4)	449 (12.5)
Jordan	46 (1.0)	476 (4.3)	18 (0.6)	458 (5.5)	16 (0.7)	442 (5.8)	9 (0.5)	439 (8.7)	11 (0.8)	389 (8.1)
Italy	46 (1.1)	510 (2.6)	16 (0.8)	516 (4.3)	21 (0.8)	501 (3.7)	12 (0.7)	479 (4.6)	5 (0.5)	428 (9.2)
Australia	46 (1.1)	543 (3.6)	23 (0.7)	537 (4.4)	17 (0.6)	524 (4.1)	8 (0.4)	494 (5.1)	5 (0.4)	454 (8.0)
New Zealand	44 (1.1)	509 (4.3)	22 (0.6)	523 (4.4)	18 (0.6)	501 (4.3)	10 (0.6)	479 (5.1)	7 (0.4)	415 (6.6)
Qatar	43 (1.5)	507 (5.3)	18 (0.8)	483 (5.6)	17 (0.9)	465 (6.3)	10 (0.6)	438 (6.4)	12 (0.8)	388 (5.2)
Kuwait	43 (1.5)	475 (5.3)	10 (0.6)	463 (7.9)	15 (0.6)	436 (6.6)	13 (0.6)	425 (6.7)	20 (1.0)	391 (7.0)
Malaysia	40 (1.4)	492 (3.7)	18 (0.7)	475 (3.9)	14 (0.7)	460 (4.7)	10 (0.6)	434 (5.6)	17 (1.1)	386 (5.4)
Israel	40 (1.1)	528 (4.8)	18 (0.7)	532 (5.1)	20 (0.6)	517 (5.9)	11 (0.6)	500 (5.9)	11 (0.7)	455 (7.0)
Egypt	38 (1.1)	407 (6.0)	9 (0.6)	388 (8.0)	9 (0.6)	382 (7.9)	10 (0.4)	385 (7.4)	34 (1.3)	383 (6.8)
Finland	33 (0.8)	558 (3.7)	32 (0.8)	550 (3.6)	22 (0.6)	537 (3.3)	9 (0.4)	520 (5.5)	4 (0.4)	492 (8.5)
Hungary	32 (0.9)	548 (3.5)	36 (0.9)	536 (3.3)	22 (0.7)	518 (3.5)	7 (0.6)	495 (6.5)	3 (0.4)	427 (10.1)
Saudi Arabia	27 (1.0)	449 (3.9)	14 (0.5)	443 (4.2)	20 (0.7)	439 (4.9)	18 (0.6)	434 (4.1)	22 (0.8)	397 (3.6)
Georgia	25 (1.1)	464 (5.4)	17 (0.8)	463 (5.2)	26 (1.0)	449 (4.4)	16 (0.8)	444 (5.8)	16 (0.9)	405 (5.9)
International Average	55 (0.2)	504 (0.6)	16 (0.1)	497 (0.8)	14 (0.1)	479 (0.9)	7 (0.1)	457 (1.2)	8 (0.1)	413 (1.4)
Benchmarking Participants										
Gauteng, RSA (9)	62 (1.0)	436 (3.9)	12 (0.5)	446 (6.0)	11 (0.5)	402 (6.5)	3 (0.3)	399 (11.8)	11 (0.5)	352 (4.6)
Western Cape, RSA (9)	60 (1.0)	450 (5.6)	12 (0.5)	480 (7.1)	11 (0.5)	433 (7.0)	5 (0.4)	435 (9.7)	12 (0.6)	359 (5.4)
Quebec, Canada	60 (1.3)	540 (4.0)	18 (0.9)	544 (4.3)	13 (0.7)	535 (4.7)	6 (0.6)	517 (6.1)	4 (0.5)	495 (10.6)
Dubai, UAE	55 (1.0)	561 (2.3)	19 (0.6)	563 (3.7)	13 (0.5)	539 (3.9)	7 (0.5)	498 (6.5)	6 (0.5)	455 (9.0)
Abu Dhabi, UAE	45 (0.8)	465 (4.1)	17 (0.6)	449 (5.1)	15 (0.5)	404 (5.4)	10 (0.4)	357 (7.4)	13 (0.6)	319 (6.1)
Moscow City, Russian Fed.	44 (1.1)	570 (3.3)	17 (0.7)	576 (3.6)	21 (0.7)	565 (3.9)	11 (0.6)	561 (5.6)	7 (0.5)	537 (7.2)
Ontario, Canada	39 (1.3)	530 (3.5)	24 (0.9)	527 (4.6)	21 (0.8)	524 (4.5)	12 (0.8)	502 (5.6)	4 (0.4)	471 (10.4)

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

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

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2019

Downloaded from <http://timss2019.org/download>
TIMSS & PIRLS
 International Study Center
 Lynch School of Education
 BOSTON COLLEGE