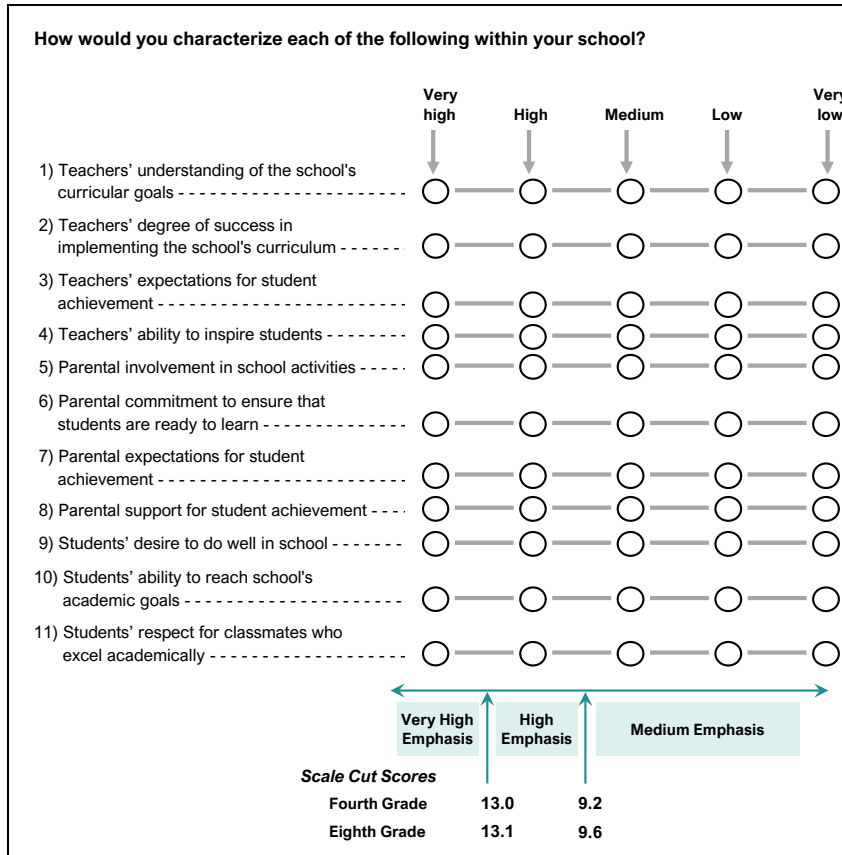


Exhibit 7.1: School Emphasis on Academic Success – Principals’ Reports

Students’ Results based on Principals’ Reports

About the Scale

Students were scored according to their principals’ responses characterizing eleven aspects on the *School Emphasis on Academic Success* scale. Cut scores divide the scale into three categories. Students in schools with a **Very High Emphasis** on academic success had a score at or above the cut score corresponding to their principals characterizing six of the eleven aspects as “very high” and the other five as “high,” on average. Students in schools with a **Medium Emphasis** on academic success had a score at or below the cut score corresponding to their principals characterizing six of the eleven aspects as “medium” and the other five as “high,” on average. All other students attended schools with a **High Emphasis** on academic success.



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

Exhibit 7.2: School Emphasis on Academic Success – Principals' Reports

Students' Results based on Principals' Reports

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Korea, Rep. of	33 (4.1)	613 (4.8)	54 (4.4)	596 (2.7)	13 (3.0)	580 (5.2)	12.0 (0.20)
Bahrain	28 (2.3)	486 (5.0)	55 (3.0)	481 (2.6)	17 (2.3)	468 (6.3)	11.7 (0.13)
Qatar	25 (3.9)	457 (8.5)	63 (4.2)	448 (4.3)	13 (2.4)	441 (10.7)	11.8 (0.18)
Saudi Arabia	22 (3.0)	423 (7.9)	61 (3.8)	396 (4.7)	17 (2.5)	379 (12.1)	11.3 (0.15)
United Arab Emirates	22 (1.8)	522 (3.9)	54 (2.1)	488 (2.4)	25 (1.4)	422 (3.2)	11.2 (0.08)
Ireland	21 (3.4)	562 (5.3)	63 (3.7)	552 (3.4)	16 (3.0)	520 (6.3)	11.5 (0.17)
Kuwait	18 (3.6)	421 (12.0)	56 (3.9)	383 (7.0)	25 (3.6)	354 (9.9)	11.0 (0.22)
Northern Ireland	15 (3.6)	590 (11.5)	68 (4.7)	569 (4.1)	17 (3.5)	537 (6.7)	11.1 (0.17)
Oman	15 (2.5)	458 (12.3)	69 (3.3)	429 (4.6)	15 (2.5)	408 (9.7)	11.1 (0.13)
Kazakhstan	14 (2.7)	525 (10.9)	71 (3.3)	510 (2.9)	15 (2.4)	514 (9.5)	11.2 (0.14)
England	12 (3.1)	605 (19.0)	68 (5.6)	556 (4.4)	20 (4.9)	534 (7.8)	10.9 (0.19)
United States	11 (2.0)	574 (6.9)	51 (3.1)	544 (4.0)	38 (2.7)	511 (4.0)	10.1 (0.13)
Pakistan	11 (4.0)	349 (24.7)	52 (7.1)	341 (18.6)	37 (6.4)	303 (10.9)	10.2 (0.28)
Philippines	10 (2.4)	307 (16.3)	66 (3.7)	300 (8.5)	24 (3.4)	282 (11.3)	10.8 (0.15)
New Zealand	10 (2.4)	519 (11.9)	67 (3.6)	497 (3.7)	23 (3.2)	446 (5.5)	10.9 (0.13)
Malta	9 (0.2)	527 (3.9)	65 (0.4)	517 (1.6)	26 (0.4)	483 (2.8)	10.5 (0.01)
Chinese Taipei	9 (2.0)	609 (7.1)	73 (3.3)	601 (2.0)	18 (2.7)	588 (5.1)	10.8 (0.13)
Canada	9 (1.9)	537 (7.7)	59 (2.6)	514 (1.8)	32 (2.9)	501 (6.8)	10.2 (0.13)
Singapore	9 (0.0)	648 (12.8)	70 (0.0)	628 (4.5)	21 (0.0)	607 (7.6)	10.6 (0.00)
Australia	9 (1.9)	556 (8.6)	53 (3.2)	521 (4.1)	38 (3.4)	496 (5.4)	10.2 (0.17)
Georgia	9 (2.7)	499 (15.5)	51 (4.3)	483 (5.0)	40 (4.2)	476 (5.7)	10.0 (0.16)
Cyprus	8 (2.9)	553 (8.4)	47 (4.7)	539 (3.7)	45 (4.4)	520 (5.1)	10.0 (0.19)
Kosovo	7 (2.5)	473 (9.4)	55 (4.2)	447 (4.3)	38 (3.8)	436 (4.5)	10.1 (0.13)
Sweden	6 (2.2)	543 (9.6)	47 (4.5)	535 (3.9)	47 (4.6)	503 (4.3)	9.7 (0.19)
Albania	6 (2.0)	528 (17.2)	62 (4.3)	501 (4.2)	32 (4.1)	475 (6.4)	10.2 (0.14)
Iran, Islamic Rep. of	5 (1.6)	481 (20.0)	56 (3.3)	451 (5.6)	38 (3.3)	426 (6.4)	10.0 (0.14)
Denmark	5 (1.6)	528 (6.7)	60 (4.5)	530 (3.2)	35 (4.1)	516 (3.8)	10.1 (0.16)
Hong Kong SAR	5 (2.4)	628 (21.1)	51 (4.5)	607 (4.3)	44 (3.9)	592 (5.5)	9.8 (0.19)
Bosnia and Herzegovina	5 (1.9)	447 (15.2)	51 (4.0)	458 (3.5)	44 (3.5)	444 (3.7)	9.8 (0.13)
Chile	5 (1.5)	481 (16.1)	39 (4.0)	456 (5.5)	56 (4.1)	428 (3.7)	8.9 (0.19)
Montenegro	5 (0.2)	464 (5.2)	73 (0.6)	454 (2.4)	22 (0.5)	448 (3.4)	10.3 (0.01)
Spain	5 (1.3)	519 (6.2)	67 (3.5)	510 (3.2)	28 (3.2)	483 (6.4)	10.1 (0.11)
Bulgaria	4 (1.7)	557 (15.7)	53 (4.3)	539 (3.7)	43 (3.9)	482 (8.9)	9.7 (0.16)
Austria	4 (1.4)	546 (10.6)	65 (3.5)	547 (2.5)	31 (3.1)	521 (3.9)	10.0 (0.10)
France	4 (1.7)	519 (13.1)	56 (4.0)	495 (3.5)	40 (3.6)	468 (5.2)	9.9 (0.12)
South Africa (5)	4 (1.2)	464 (29.1)	34 (3.3)	395 (8.1)	62 (3.5)	359 (3.4)	8.9 (0.15)
Finland	4 (1.4)	545 (9.6)	53 (4.1)	538 (3.2)	44 (4.4)	524 (3.7)	9.9 (0.14)
Poland	3 (1.7)	536 (7.1)	55 (4.0)	527 (3.7)	42 (4.3)	509 (3.8)	9.8 (0.14)
Turkey (5)	3 (1.3)	574 (10.7)	43 (3.9)	549 (7.7)	53 (3.8)	498 (5.4)	9.2 (0.13)
Morocco	3 (1.4)	417 (25.5)	34 (3.3)	409 (10.2)	63 (3.5)	368 (6.0)	8.9 (0.13)
Belgium (Flemish)	2 (1.4)	~ ~	52 (3.7)	537 (2.7)	45 (3.6)	526 (3.4)	9.5 (0.11)
Hungary	2 (1.3)	~ ~	32 (4.3)	541 (6.2)	66 (4.2)	512 (4.0)	8.9 (0.15)
Japan	2 (1.2)	~ ~	40 (3.9)	600 (2.7)	58 (4.1)	587 (2.2)	9.2 (0.14)
Czech Republic	2 (2.0)	~ ~	39 (4.3)	550 (4.1)	59 (4.5)	521 (3.8)	9.0 (0.15)
Armenia	2 (1.2)	~ ~	60 (4.3)	498 (3.2)	38 (4.0)	497 (4.3)	9.8 (0.12)
Italy	2 (1.1)	~ ~	42 (3.5)	515 (3.9)	56 (3.4)	515 (3.3)	9.3 (0.11)
Lithuania	2 (1.0)	~ ~	79 (3.0)	545 (3.4)	19 (2.8)	527 (7.9)	10.4 (0.12)
Germany	2 (1.1)	~ ~	57 (3.8)	534 (2.7)	42 (3.8)	503 (4.7)	9.6 (0.13)
North Macedonia	1 (0.8)	~ ~	54 (4.4)	486 (6.0)	45 (4.4)	456 (9.5)	9.3 (0.19)
Croatia	1 (0.8)	~ ~	68 (3.5)	512 (2.8)	30 (3.5)	505 (4.1)	10.0 (0.12)
Russian Federation	1 (0.5)	~ ~	54 (3.3)	578 (4.8)	46 (3.3)	555 (3.5)	9.5 (0.11)
Azerbaijan	0 (0.5)	~ ~	50 (3.6)	515 (4.6)	50 (3.5)	516 (3.9)	9.4 (0.12)
Portugal	0 (0.3)	~ ~	45 (3.7)	537 (3.9)	55 (3.7)	516 (3.3)	9.3 (0.12)
Latvia	0 (0.0)	~ ~	61 (4.0)	552 (3.0)	39 (4.0)	537 (4.6)	9.6 (0.08)
Netherlands	0 (0.0)	~ ~	40 (5.7)	546 (3.7)	60 (5.7)	531 (2.9)	8.9 (0.13)
Norway (5)	0 (0.0)	~ ~	57 (5.1)	549 (3.5)	43 (5.1)	536 (3.6)	9.7 (0.14)
Serbia	0 (0.0)	~ ~	59 (3.8)	518 (3.7)	41 (3.8)	492 (5.8)	9.6 (0.13)
Slovak Republic	0 (0.0)	~ ~	38 (3.6)	528 (4.5)	62 (3.6)	499 (4.4)	8.9 (0.12)
International Average	7 (0.3)	515 (2.1)	55 (0.5)	508 (0.7)	37 (0.5)	486 (0.8)	
Benchmarking Participants							
Dubai, UAE	31 (0.3)	564 (2.6)	58 (0.3)	541 (2.3)	12 (0.1)	507 (4.1)	12.2 (0.01)
Abu Dhabi, UAE	16 (1.5)	481 (8.1)	46 (1.8)	461 (3.2)	38 (0.9)	385 (3.7)	10.3 (0.07)
Ontario, Canada	8 (3.5)	542 (15.2)	52 (4.8)	513 (3.5)	40 (5.6)	504 (10.9)	9.8 (0.26)
Quebec, Canada	8 (2.3)	549 (9.2)	68 (4.6)	536 (2.4)	24 (4.5)	517 (5.0)	10.5 (0.16)
Madrid, Spain	7 (2.6)	542 (5.6)	64 (4.2)	525 (2.6)	29 (3.5)	498 (4.7)	10.4 (0.16)
Moscow City, Russian Fed.	4 (1.8)	592 (12.2)	80 (3.9)	594 (2.6)	16 (3.5)	587 (5.1)	10.6 (0.12)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of all 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.

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 7.3: School Emphasis on Academic Success – Principals' Reports

Students' Results based on Principals' Reports

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Korea, Rep. of	33 (4.1)	599 (4.2)	54 (4.4)	585 (2.5)	13 (3.0)	571 (4.9)	12.0 (0.20)
Bahrain	28 (2.3)	507 (6.7)	55 (3.0)	494 (3.9)	17 (2.3)	461 (8.5)	11.7 (0.13)
Qatar	25 (3.9)	461 (10.3)	63 (4.2)	448 (4.7)	13 (2.4)	435 (10.3)	11.8 (0.18)
Saudi Arabia	22 (3.0)	434 (8.1)	61 (3.8)	399 (5.1)	17 (2.5)	375 (13.7)	11.3 (0.15)
United Arab Emirates	22 (1.8)	525 (4.2)	54 (2.1)	483 (2.6)	25 (1.4)	399 (3.8)	11.2 (0.08)
Ireland	21 (3.4)	539 (5.5)	63 (3.7)	532 (4.6)	16 (3.0)	501 (6.9)	11.5 (0.17)
Kuwait	18 (3.6)	437 (15.8)	56 (3.9)	391 (7.6)	25 (3.6)	363 (10.9)	11.0 (0.22)
Northern Ireland	15 (3.6)	534 (8.3)	68 (4.7)	521 (3.1)	17 (3.5)	497 (5.6)	11.1 (0.17)
Oman	15 (2.5)	467 (12.6)	69 (3.3)	434 (5.4)	15 (2.5)	401 (6.7)	11.1 (0.13)
Kazakhstan	14 (2.7)	511 (13.8)	71 (3.3)	490 (3.9)	15 (2.4)	500 (11.6)	11.2 (0.14)
England	12 (3.1)	583 (13.7)	68 (5.6)	536 (4.2)	20 (4.9)	515 (8.1)	10.9 (0.19)
United States	11 (2.0)	577 (6.8)	51 (3.1)	549 (4.3)	38 (2.7)	514 (4.4)	10.1 (0.13)
Pakistan	11 (4.0)	314 (32.1)	52 (7.1)	311 (18.2)	37 (6.4)	255 (14.5)	10.2 (0.28)
Philippines	10 (2.4)	259 (18.9)	66 (3.7)	255 (9.9)	24 (3.4)	229 (13.8)	10.8 (0.15)
New Zealand	10 (2.4)	530 (9.8)	67 (3.6)	512 (3.4)	23 (3.2)	464 (5.2)	10.9 (0.13)
Malta	9 (0.2)	518 (4.2)	65 (0.4)	505 (1.4)	26 (0.4)	464 (2.5)	10.5 (0.01)
Chinese Taipei	9 (2.0)	566 (6.7)	73 (3.3)	560 (2.0)	18 (2.7)	547 (5.1)	10.8 (0.13)
Canada	9 (1.9)	543 (6.0)	59 (2.6)	526 (1.8)	32 (2.9)	513 (5.2)	10.2 (0.13)
Singapore	9 (0.0)	617 (11.4)	70 (0.0)	598 (4.0)	21 (0.0)	575 (6.8)	10.6 (0.00)
Australia	9 (1.9)	568 (7.8)	53 (3.2)	537 (3.7)	38 (3.4)	516 (4.5)	10.2 (0.17)
Georgia	9 (2.7)	471 (15.9)	51 (4.3)	455 (5.4)	40 (4.2)	448 (5.3)	10.0 (0.16)
Cyprus	8 (2.9)	532 (10.7)	47 (4.7)	517 (3.5)	45 (4.4)	501 (4.7)	10.0 (0.19)
Kosovo	7 (2.5)	446 (13.7)	55 (4.2)	417 (5.2)	38 (3.8)	402 (5.0)	10.1 (0.13)
Sweden	6 (2.2)	563 (9.2)	47 (4.5)	552 (3.8)	47 (4.6)	517 (5.3)	9.7 (0.19)
Albania	6 (2.0)	515 (17.4)	62 (4.3)	498 (4.3)	32 (4.1)	468 (7.2)	10.2 (0.14)
Iran, Islamic Rep. of	5 (1.6)	476 (18.5)	56 (3.3)	451 (5.6)	38 (3.3)	420 (6.6)	10.0 (0.14)
Denmark	5 (1.6)	519 (7.2)	60 (4.5)	527 (3.3)	35 (4.1)	515 (3.5)	10.1 (0.16)
Hong Kong SAR	5 (2.4)	567 (27.8)	51 (4.5)	539 (4.4)	44 (3.9)	519 (5.7)	9.8 (0.19)
Bosnia and Herzegovina	5 (1.9)	455 (14.2)	51 (4.0)	466 (4.0)	44 (3.5)	451 (4.1)	9.8 (0.13)
Chile	5 (1.5)	509 (14.5)	39 (4.0)	482 (5.0)	56 (4.1)	457 (3.4)	8.9 (0.19)
Montenegro	5 (0.2)	469 (8.5)	73 (0.6)	454 (2.9)	22 (0.5)	448 (4.0)	10.3 (0.01)
Spain	5 (1.3)	526 (5.4)	67 (3.5)	518 (2.8)	28 (3.2)	494 (5.8)	10.1 (0.11)
Bulgaria	4 (1.7)	575 (19.3)	53 (4.3)	554 (4.7)	43 (3.9)	476 (10.1)	9.7 (0.16)
Austria	4 (1.4)	534 (10.1)	65 (3.5)	534 (3.2)	31 (3.1)	495 (5.1)	10.0 (0.10)
France	4 (1.7)	524 (12.6)	56 (4.0)	498 (3.5)	40 (3.6)	470 (5.0)	9.9 (0.12)
South Africa (5)	4 (1.2)	443 (41.9)	34 (3.3)	352 (11.0)	62 (3.5)	305 (5.0)	8.9 (0.15)
Finland	4 (1.4)	570 (9.5)	53 (4.1)	561 (3.1)	44 (4.4)	546 (4.1)	9.9 (0.14)
Poland	3 (1.7)	546 (8.6)	55 (4.0)	538 (3.6)	42 (4.3)	521 (3.5)	9.8 (0.14)
Turkey (5)	3 (1.3)	567 (10.5)	43 (3.9)	550 (7.4)	53 (3.8)	505 (5.2)	9.2 (0.13)
Morocco	3 (1.4)	417 (28.0)	34 (3.3)	402 (11.1)	63 (3.5)	357 (6.9)	8.9 (0.13)
Belgium (Flemish)	2 (1.4)	~ ~	52 (3.7)	505 (2.6)	45 (3.6)	495 (4.1)	9.5 (0.11)
Hungary	2 (1.3)	~ ~	32 (4.3)	546 (5.8)	66 (4.2)	519 (4.0)	8.9 (0.15)
Japan	2 (1.2)	~ ~	40 (3.9)	568 (2.7)	58 (4.1)	556 (2.2)	9.2 (0.14)
Czech Republic	2 (2.0)	~ ~	39 (4.3)	548 (4.2)	59 (4.5)	523 (3.5)	9.0 (0.15)
Armenia	2 (1.2)	~ ~	60 (4.3)	465 (4.2)	38 (4.0)	467 (5.0)	9.8 (0.12)
Italy	2 (1.1)	~ ~	42 (3.5)	510 (4.8)	56 (3.4)	509 (3.3)	9.3 (0.11)
Lithuania	2 (1.0)	~ ~	79 (3.0)	541 (3.2)	19 (2.8)	523 (7.2)	10.4 (0.12)
Germany	2 (1.1)	~ ~	57 (3.8)	532 (2.6)	42 (3.8)	498 (4.7)	9.6 (0.13)
North Macedonia	1 (0.8)	~ ~	54 (4.4)	443 (6.7)	45 (4.4)	408 (11.1)	9.3 (0.19)
Croatia	1 (0.8)	~ ~	68 (3.5)	526 (2.6)	30 (3.5)	519 (3.7)	10.0 (0.12)
Russian Federation	1 (0.5)	~ ~	54 (3.3)	576 (4.4)	46 (3.3)	557 (3.4)	9.5 (0.11)
Azerbaijan	0 (0.5)	~ ~	50 (3.6)	428 (5.6)	50 (3.5)	426 (4.7)	9.4 (0.12)
Portugal	0 (0.3)	~ ~	45 (3.7)	513 (3.3)	55 (3.7)	497 (3.0)	9.3 (0.12)
Latvia	0 (0.0)	~ ~	61 (4.0)	548 (2.8)	39 (4.0)	532 (4.2)	9.6 (0.08)
Netherlands	0 (0.0)	~ ~	40 (5.7)	530 (4.8)	60 (5.7)	510 (3.4)	8.9 (0.13)
Norway (5)	0 (0.0)	~ ~	57 (5.1)	546 (3.7)	43 (5.1)	533 (3.5)	9.7 (0.14)
Serbia	0 (0.0)	~ ~	59 (3.8)	527 (3.6)	41 (3.8)	501 (6.5)	9.6 (0.13)
Slovak Republic	0 (0.0)	~ ~	38 (3.6)	541 (4.5)	62 (3.6)	509 (5.0)	8.9 (0.12)
International Average	7 (0.3)	508 (2.4)	55 (0.5)	499 (0.7)	37 (0.5)	474 (0.9)	
Benchmarking Participants							
Dubai, UAE	31 (0.3)	567 (2.5)	58 (0.3)	542 (2.7)	12 (0.1)	508 (3.5)	12.2 (0.01)
Abu Dhabi, UAE	16 (1.5)	476 (9.2)	46 (1.8)	444 (3.9)	38 (0.9)	347 (4.2)	10.3 (0.07)
Ontario, Canada	8 (3.5)	542 (11.0)	52 (4.8)	527 (3.3)	40 (5.6)	517 (7.9)	9.8 (0.26)
Quebec, Canada	8 (2.3)	530 (7.0)	68 (4.6)	527 (2.5)	24 (4.5)	506 (4.3)	10.5 (0.16)
Madrid, Spain	7 (2.6)	542 (4.9)	64 (4.2)	528 (2.3)	29 (3.5)	507 (4.3)	10.4 (0.16)
Moscow City, Russian Fed.	4 (1.8)	592 (11.9)	80 (3.9)	596 (2.5)	16 (3.5)	589 (5.3)	10.6 (0.12)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of all 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.

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 7.4: School Emphasis on Academic Success – Principals’ Reports

Students’ Results based on Principals’ Reports

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Korea, Rep. of	26 (3.3)	631 (4.7)	56 (3.6)	597 (3.6)	19 (3.0)	604 (7.5)	11.8 (0.18)
United Arab Emirates	22 (1.8)	519 (4.4)	56 (2.0)	474 (2.9)	22 (1.3)	416 (3.5)	11.4 (0.08)
Singapore	18 (0.0)	681 (6.5)	52 (0.0)	612 (6.0)	30 (0.0)	582 (7.5)	10.9 (0.00)
England s	18 (3.6)	602 (14.8)	61 (4.9)	504 (7.7)	21 (3.8)	500 (11.5)	11.3 (0.16)
Australia	17 (2.8)	587 (8.8)	46 (3.5)	525 (5.4)	37 (3.0)	480 (5.6)	10.8 (0.16)
Ireland	16 (3.2)	554 (5.6)	58 (4.3)	531 (3.1)	26 (3.5)	494 (5.0)	11.2 (0.16)
Qatar	15 (2.8)	502 (17.0)	66 (3.8)	438 (4.6)	19 (2.9)	414 (9.0)	11.4 (0.14)
Bahrain	15 (0.2)	493 (7.5)	48 (0.2)	490 (2.2)	38 (0.2)	465 (2.3)	10.7 (0.01)
New Zealand	15 (3.4)	535 (7.4)	61 (5.0)	487 (4.7)	24 (4.1)	456 (6.9)	11.1 (0.18)
Saudi Arabia	15 (2.7)	417 (5.3)	61 (4.0)	394 (3.3)	24 (3.3)	379 (6.3)	11.2 (0.17)
Kazakhstan	10 (2.6)	496 (18.3)	70 (3.7)	489 (4.4)	20 (3.2)	480 (7.0)	11.1 (0.13)
United States	10 (2.0)	559 (10.2)	53 (3.1)	539 (5.9)	38 (3.1)	482 (7.5)	10.3 (0.14)
Chile	9 (1.5)	482 (9.7)	31 (3.9)	472 (6.2)	60 (4.0)	418 (3.6)	9.5 (0.17)
Chinese Taipei	9 (2.2)	649 (12.1)	56 (3.2)	625 (3.6)	36 (2.7)	584 (5.2)	10.4 (0.12)
Kuwait	8 (2.2)	451 (16.6)	53 (4.8)	412 (5.8)	39 (4.1)	378 (6.4)	10.3 (0.16)
Malaysia	8 (2.2)	500 (16.5)	52 (3.6)	476 (5.1)	39 (3.8)	432 (5.1)	10.5 (0.14)
Sweden	8 (2.4)	543 (12.2)	46 (4.0)	513 (3.8)	46 (3.9)	486 (3.5)	10.2 (0.14)
Oman	8 (1.8)	453 (13.2)	67 (3.4)	415 (3.5)	25 (3.1)	385 (5.7)	10.9 (0.12)
Cyprus r	7 (0.3)	532 (8.4)	58 (0.5)	512 (2.5)	35 (0.5)	482 (2.8)	10.4 (0.01)
Romania	7 (1.8)	535 (21.4)	46 (4.0)	493 (7.1)	47 (4.1)	459 (5.4)	10.1 (0.13)
Israel	6 (1.9)	544 (23.0)	63 (3.8)	530 (6.1)	31 (3.8)	492 (11.1)	10.5 (0.13)
Egypt	5 (1.8)	431 (6.4)	51 (4.5)	427 (5.6)	44 (4.3)	396 (9.1)	10.0 (0.14)
France r	5 (1.6)	538 (17.9)	46 (4.6)	491 (4.4)	49 (4.5)	474 (3.9)	9.8 (0.13)
Lebanon	5 (1.8)	467 (14.1)	51 (3.3)	445 (3.9)	44 (3.4)	404 (4.6)	10.1 (0.12)
Hong Kong SAR	5 (2.5)	674 (19.2)	46 (4.1)	605 (6.6)	50 (3.4)	546 (7.2)	9.9 (0.15)
Jordan	4 (1.6)	472 (12.1)	45 (4.3)	436 (6.4)	50 (4.3)	402 (4.8)	9.8 (0.14)
Turkey	4 (1.7)	579 (29.7)	40 (3.4)	521 (7.8)	56 (3.3)	472 (5.6)	9.7 (0.13)
Japan	3 (1.6)	689 (34.0)	45 (4.6)	601 (3.9)	51 (4.5)	582 (2.6)	9.7 (0.16)
Iran, Islamic Rep. of	3 (1.2)	562 (29.3)	44 (3.6)	467 (5.0)	53 (3.5)	422 (4.5)	9.6 (0.13)
Georgia	3 (1.3)	475 (32.1)	47 (4.1)	472 (7.3)	50 (4.0)	451 (4.2)	9.9 (0.12)
Finland	3 (1.3)	526 (12.2)	45 (4.1)	516 (3.4)	52 (4.3)	502 (3.7)	9.8 (0.11)
Norway (9) r	3 (1.3)	539 (22.2)	53 (5.1)	510 (3.8)	45 (5.0)	496 (4.2)	10.1 (0.13)
Hungary	2 (1.2)	~ ~	28 (3.5)	564 (8.0)	70 (3.4)	496 (4.0)	9.3 (0.12)
South Africa (9)	2 (0.6)	~ ~	29 (2.4)	403 (5.8)	69 (2.4)	380 (2.5)	8.9 (0.10)
Portugal	1 (0.8)	~ ~	27 (3.5)	525 (5.4)	71 (3.7)	489 (3.6)	9.0 (0.13)
Morocco	1 (0.8)	~ ~	23 (2.9)	411 (6.4)	76 (3.1)	381 (2.8)	8.5 (0.13)
Lithuania	1 (0.9)	~ ~	65 (4.1)	525 (3.8)	34 (4.1)	506 (5.6)	10.3 (0.11)
Italy	0 (0.0)	~ ~	38 (4.2)	504 (4.6)	62 (4.2)	495 (3.3)	9.3 (0.11)
Russian Federation	0 (0.0)	~ ~	36 (3.8)	562 (6.6)	64 (3.8)	533 (5.4)	9.3 (0.09)
International Average	8 (0.3)	538 (3.0)	49 (0.6)	500 (0.8)	43 (0.6)	469 (0.9)	
Benchmarking Participants							
Dubai, UAE r	30 (0.5)	562 (2.6)	58 (0.5)	533 (3.5)	11 (0.2)	479 (7.7)	12.2 (0.02)
Abu Dhabi, UAE r	15 (1.8)	489 (8.0)	59 (1.9)	444 (5.2)	26 (0.9)	377 (6.3)	11.0 (0.09)
Quebec, Canada	7 (2.6)	598 (18.1)	64 (4.6)	553 (4.3)	29 (4.4)	520 (7.0)	10.6 (0.17)
Ontario, Canada r	6 (2.2)	563 (8.3)	56 (4.6)	540 (7.1)	38 (4.5)	506 (6.6)	10.2 (0.19)
Western Cape, RSA (9)	5 (1.9)	564 (14.8)	25 (3.0)	492 (11.6)	70 (3.1)	414 (4.8)	9.0 (0.15)
Gauteng, RSA (9)	5 (2.0)	449 (26.9)	32 (3.6)	437 (7.2)	62 (3.7)	409 (4.4)	9.2 (0.16)
Moscow City, Russian Fed.	2 (1.1)	~ ~	59 (4.3)	579 (5.8)	39 (4.1)	571 (5.9)	10.1 (0.10)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of all 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.

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 7.5: School Emphasis on Academic Success – Principals' Reports

Students' Results based on Principals' Reports

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Korea, Rep. of	26 (3.3)	578 (4.0)	56 (3.6)	553 (2.8)	19 (3.0)	561 (5.5)	11.8 (0.18)
United Arab Emirates	22 (1.8)	526 (5.0)	56 (2.0)	477 (3.5)	22 (1.3)	401 (4.5)	11.4 (0.08)
Singapore	18 (0.0)	671 (6.7)	52 (0.0)	604 (5.7)	30 (0.0)	576 (7.5)	10.9 (0.00)
England s	18 (3.6)	600 (13.3)	61 (4.9)	506 (7.5)	21 (3.8)	503 (11.0)	11.3 (0.16)
Australia	17 (2.8)	581 (8.7)	46 (3.5)	537 (4.5)	37 (3.0)	497 (5.0)	10.8 (0.16)
Ireland	16 (3.2)	556 (6.5)	58 (4.3)	531 (3.4)	26 (3.5)	492 (6.3)	11.2 (0.16)
Qatar	15 (2.8)	524 (17.5)	66 (3.8)	471 (4.7)	19 (2.9)	448 (8.0)	11.4 (0.14)
Bahrain	15 (0.2)	541 (7.1)	48 (0.2)	498 (2.1)	38 (0.2)	449 (2.5)	10.7 (0.01)
New Zealand	15 (3.4)	549 (6.3)	61 (5.0)	504 (4.8)	24 (4.1)	474 (7.9)	11.1 (0.18)
Saudi Arabia	15 (2.7)	462 (6.3)	61 (4.0)	433 (3.9)	24 (3.3)	410 (7.2)	11.2 (0.17)
Kazakhstan	10 (2.6)	483 (17.8)	70 (3.7)	478 (4.2)	20 (3.2)	475 (8.3)	11.1 (0.13)
United States	10 (2.0)	560 (9.5)	53 (3.1)	545 (5.1)	38 (3.1)	492 (8.1)	10.7 (0.14)
Chile	9 (1.5)	507 (8.5)	31 (3.9)	491 (5.8)	60 (4.0)	441 (3.5)	9.5 (0.17)
Chinese Taipei	9 (2.2)	600 (9.0)	56 (3.2)	583 (2.6)	36 (2.7)	554 (4.0)	10.4 (0.12)
Kuwait	8 (2.2)	506 (10.9)	53 (4.8)	455 (6.0)	39 (4.1)	414 (7.4)	10.3 (0.16)
Malaysia	8 (2.2)	511 (13.6)	52 (3.6)	474 (5.4)	39 (3.8)	431 (4.9)	10.5 (0.14)
Sweden	8 (2.4)	570 (14.1)	46 (4.0)	536 (4.7)	46 (3.9)	500 (4.5)	10.2 (0.14)
Oman	8 (1.8)	494 (13.8)	67 (3.4)	462 (3.7)	25 (3.1)	432 (6.7)	10.9 (0.12)
Cyprus r	7 (0.3)	505 (9.8)	58 (0.5)	494 (3.0)	35 (0.5)	465 (3.2)	10.4 (0.01)
Romania	7 (1.8)	515 (19.7)	46 (4.0)	483 (6.4)	47 (4.1)	452 (4.9)	10.1 (0.13)
Israel	6 (1.9)	542 (19.7)	63 (3.8)	525 (5.6)	31 (3.8)	484 (10.4)	10.5 (0.13)
Egypt	5 (1.8)	417 (12.4)	51 (4.5)	407 (5.9)	44 (4.3)	367 (10.0)	10.0 (0.14)
France r	5 (1.6)	543 (17.2)	46 (4.6)	499 (4.9)	49 (4.5)	477 (4.4)	9.8 (0.13)
Lebanon	5 (1.8)	420 (13.9)	51 (3.3)	405 (5.6)	44 (3.4)	336 (8.1)	10.1 (0.12)
Hong Kong SAR	5 (2.5)	620 (13.1)	46 (4.1)	522 (8.3)	50 (3.4)	477 (8.0)	9.9 (0.15)
Jordan	4 (1.6)	513 (13.5)	45 (4.3)	469 (6.9)	50 (4.3)	431 (5.9)	9.8 (0.14)
Turkey	4 (1.7)	580 (25.8)	40 (3.4)	537 (6.8)	56 (3.3)	495 (5.0)	9.7 (0.13)
Japan	3 (1.6)	642 (23.6)	45 (4.6)	574 (2.9)	51 (4.5)	561 (2.0)	9.7 (0.16)
Iran, Islamic Rep. of	3 (1.2)	558 (25.5)	44 (3.6)	470 (4.6)	53 (3.5)	426 (4.4)	9.6 (0.13)
Georgia	3 (1.3)	453 (25.5)	47 (4.1)	451 (6.3)	50 (4.0)	442 (4.1)	9.9 (0.12)
Finland	3 (1.3)	561 (13.9)	45 (4.1)	550 (4.1)	52 (4.3)	535 (4.6)	9.8 (0.11)
Norway (9) r	3 (1.3)	533 (21.9)	53 (5.1)	502 (4.6)	45 (5.0)	489 (5.3)	10.1 (0.13)
Hungary	2 (1.2)	~ ~	28 (3.5)	570 (6.6)	70 (3.4)	513 (3.8)	9.3 (0.12)
South Africa (9)	2 (0.6)	~ ~	29 (2.4)	388 (7.9)	69 (2.4)	358 (3.4)	8.9 (0.10)
Portugal	1 (0.8)	~ ~	27 (3.5)	539 (4.8)	71 (3.7)	510 (3.2)	9.0 (0.13)
Morocco	1 (0.8)	~ ~	23 (2.9)	417 (7.0)	76 (3.1)	388 (3.6)	8.5 (0.13)
Lithuania	1 (0.9)	~ ~	65 (4.1)	537 (3.6)	34 (4.1)	521 (5.2)	10.3 (0.11)
Italy	0 (0.0)	~ ~	38 (4.2)	508 (4.1)	62 (4.2)	498 (3.4)	9.3 (0.11)
Russian Federation	0 (0.0)	~ ~	36 (3.8)	557 (5.6)	64 (3.8)	535 (5.2)	9.3 (0.09)
International Average	8 (0.3)	538 (2.6)	49 (0.6)	501 (0.8)	43 (0.6)	470 (1.0)	
Benchmarking Participants							
Dubai, UAE r	30 (0.5)	571 (2.8)	58 (0.5)	545 (3.1)	11 (0.2)	488 (9.2)	12.2 (0.02)
Abu Dhabi, UAE r	15 (1.8)	491 (9.6)	59 (1.9)	434 (6.7)	26 (0.9)	334 (7.8)	11.0 (0.09)
Quebec, Canada	7 (2.6)	580 (17.1)	64 (4.6)	548 (4.2)	29 (4.4)	514 (6.9)	10.6 (0.17)
Ontario, Canada r	6 (2.2)	550 (9.9)	56 (4.6)	529 (4.3)	38 (4.5)	505 (5.1)	10.2 (0.19)
Western Cape, RSA (9)	5 (1.9)	590 (17.0)	25 (3.0)	503 (14.2)	70 (3.1)	405 (5.6)	9.0 (0.15)
Gauteng, RSA (9)	5 (2.0)	460 (33.6)	32 (3.6)	444 (9.2)	62 (3.7)	407 (5.6)	9.2 (0.16)
Moscow City, Russian Fed.	2 (1.1)	~ ~	59 (4.3)	570 (3.9)	39 (4.1)	562 (4.4)	10.1 (0.10)

This TIMSS context questionnaire scale was established in 2015 based on the combined response distribution of all 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.

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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.