

Exhibit 5.3: Schools with Students Having the Language of the Test as Their Native Language

Reported by Principals

Country	School has More than 90% of Students with Language of Test as Their Native Language		School has 51-90% of Students with Language of Test as Their Native Language		School has 50% or Less of Students with Language of Test as Their Native Language	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Australia	62 (3.1)	526 (4.2)	22 (2.7)	533 (6.3)	16 (2.4)	502 (7.1)
Bahrain	67 (0.2)	458 (2.6)	8 (0.1)	479 (7.4)	25 (0.2)	450 (6.8)
Belgium (Flemish)	48 (3.6)	529 (3.0)	32 (4.0)	509 (3.3)	20 (2.8)	483 (6.9)
Bulgaria	49 (4.0)	564 (5.4)	23 (3.6)	530 (8.6)	28 (2.8)	491 (16.5)
Canada	47 (3.1)	527 (3.7)	34 (2.7)	526 (4.0)	19 (2.2)	516 (4.2)
Chile	100 (0.4)	479 (3.0)	0 (0.4)	~ ~	0 (0.0)	~ ~
Chinese Taipei	61 (4.1)	560 (2.5)	28 (3.5)	549 (3.5)	10 (2.7)	544 (6.0)
Croatia	95 (1.7)	534 (2.2)	4 (1.6)	524 (8.9)	1 (0.5)	~ ~
Cyprus	51 (4.0)	491 (3.3)	43 (4.2)	476 (3.3)	7 (2.2)	443 (9.2)
Czech Republic	94 (2.0)	534 (2.5)	6 (2.0)	539 (10.0)	0 (0.0)	~ ~
Denmark	r 66 (4.1)	532 (2.3)	27 (3.9)	524 (5.1)	7 (2.2)	521 (10.4)
England	49 (4.5)	540 (3.8)	30 (4.3)	543 (6.2)	20 (3.6)	520 (7.7)
Finland	84 (3.0)	556 (2.3)	15 (2.9)	540 (7.7)	1 (0.9)	~ ~
France	71 (3.6)	497 (3.2)	20 (3.2)	468 (5.9)	9 (2.4)	450 (8.0)
Georgia	88 (3.0)	451 (3.5)	11 (2.9)	455 (20.7)	1 (0.7)	~ ~
Germany	30 (3.2)	542 (3.4)	43 (3.8)	534 (3.1)	28 (3.0)	503 (5.9)
Hong Kong SAR	85 (3.1)	551 (3.1)	8 (3.3)	572 (27.5)	7 (3.0)	616 (9.9)
Hungary	99 (0.6)	542 (3.4)	0 (0.0)	~ ~	1 (0.6)	~ ~
Indonesia	24 (2.4)	419 (10.1)	23 (3.0)	388 (9.7)	53 (3.2)	391 (7.8)
Iran, Islamic Rep. of	49 (3.0)	449 (6.1)	10 (1.9)	453 (6.8)	41 (3.1)	380 (7.1)
Ireland	67 (3.0)	534 (3.0)	29 (2.8)	519 (3.5)	4 (1.6)	510 (17.2)
Italy	59 (3.6)	515 (3.7)	39 (3.7)	519 (3.5)	2 (1.2)	~ ~
Japan	100 (0.0)	569 (1.8)	0 (0.0)	~ ~	0 (0.0)	~ ~
Kazakhstan	57 (2.8)	538 (6.6)	23 (3.3)	571 (10.5)	20 (3.0)	558 (10.1)
Korea, Rep. of	98 (1.0)	589 (2.0)	1 (0.8)	~ ~	1 (0.5)	~ ~
Kuwait	59 (4.6)	332 (7.5)	12 (3.5)	355 (24.9)	29 (3.4)	336 (9.3)
Lithuania	89 (1.7)	529 (2.8)	9 (1.9)	519 (7.9)	2 (1.1)	~ ~
Morocco	63 (2.6)	358 (5.8)	13 (2.0)	350 (16.5)	24 (2.2)	340 (10.9)
Netherlands	s 65 (5.3)	528 (3.3)	31 (5.4)	520 (4.7)	4 (2.2)	492 (19.2)
New Zealand	59 (3.3)	515 (3.8)	27 (3.1)	500 (5.6)	14 (2.8)	488 (10.3)
Northern Ireland	r 74 (5.0)	525 (2.9)	18 (4.4)	509 (8.1)	8 (3.1)	491 (9.8)
Norway (5)	58 (4.7)	542 (3.2)	32 (4.7)	539 (3.5)	10 (3.1)	505 (10.3)
Oman	78 (2.2)	437 (4.0)	10 (1.9)	427 (11.4)	12 (1.5)	399 (8.5)
Poland	99 (0.8)	547 (2.5)	1 (0.8)	~ ~	0 (0.0)	~ ~
Portugal	82 (3.3)	509 (2.3)	11 (2.5)	505 (5.8)	7 (2.4)	507 (6.9)
Qatar	43 (2.6)	409 (5.5)	11 (2.4)	453 (17.3)	46 (2.1)	457 (6.9)
Russian Federation	73 (3.4)	569 (2.6)	16 (2.9)	575 (12.5)	11 (1.8)	543 (9.4)
Saudi Arabia	84 (2.7)	388 (5.5)	11 (2.6)	410 (14.9)	5 (1.6)	411 (23.9)
Serbia	84 (3.1)	529 (3.5)	11 (2.6)	516 (10.4)	5 (2.0)	473 (38.5)
Singapore	0 (0.0)	~ ~	0 (0.0)	~ ~	100 (0.0)	591 (3.7)
Slovak Republic	83 (2.4)	529 (2.8)	10 (2.2)	499 (11.7)	8 (1.8)	460 (15.0)
Slovenia	70 (3.7)	543 (3.0)	28 (3.7)	546 (3.4)	2 (1.4)	~ ~
Spain	54 (3.0)	523 (2.9)	29 (3.2)	522 (3.5)	17 (2.4)	499 (6.2)
Sweden	44 (4.6)	555 (3.6)	43 (4.3)	543 (4.5)	13 (2.7)	489 (14.2)
Turkey	80 (1.8)	499 (3.5)	7 (1.5)	469 (10.6)	14 (1.9)	402 (9.9)
United Arab Emirates	40 (1.3)	402 (4.0)	5 (0.7)	498 (12.5)	56 (1.5)	476 (5.0)
United States	50 (3.0)	562 (3.1)	31 (3.2)	541 (5.3)	19 (2.7)	511 (8.7)
International Avg.	67 (0.5)	508 (0.6)	18 (0.4)	501 (1.6)	15 (0.3)	478 (2.1)

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

() 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 5.3: Schools with Students Having the Language of the Test as Their Native Language (Continued)

Country	School has More than 90% of Students with Language of Test as Their Native Language		School has 51-90% of Students with Language of Test as Their Native Language		School has 50% or Less of Students with Language of Test as Their Native Language	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Benchmarking Participants						
Buenos Aires, Argentina	93 (2.9)	423 (5.6)	7 (2.9)	372 (21.4)	0 (0.0)	~ ~
Ontario, Canada	39 (4.8)	534 (4.5)	38 (4.7)	531 (4.2)	24 (3.4)	521 (5.7)
Quebec, Canada	60 (6.2)	535 (4.1)	23 (5.2)	510 (7.1)	17 (4.3)	510 (8.7)
Norway (4)	56 (4.5)	496 (2.6)	33 (4.9)	499 (3.7)	11 (3.4)	468 (10.5)
Abu Dhabi, UAE	47 (3.4)	367 (7.5)	4 (1.7)	503 (22.5)	49 (3.7)	439 (11.8)
Dubai, UAE	23 (0.2)	460 (3.6)	7 (0.1)	567 (4.0)	69 (0.2)	529 (2.2)
Florida, US	43 (7.8)	565 (8.3)	26 (7.5)	540 (8.8)	31 (7.4)	538 (10.8)

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