

Exhibit 3.2.4: Could Do Literacy and Numeracy Tasks When Beginning Primary School – Parents’ Reports

About the Scale

Students were scored according to their parents’ reports regarding how well their children could do the eleven tasks on the *Early Literacy and Numeracy Tasks* scale when they began primary school. Cut scores divide the scale into three categories. Students who could do the tasks **Very Well** had a score at or above the cut score corresponding to their parents reporting the students could do all eleven tasks (five of the tasks at the highest level, four at the second highest level, and simple addition and simple subtraction), on average. Students who could do the tasks **Not Well** had a score at or below the cut score corresponding to their parents reporting the students could do the eleven tasks at a minimal level (five of the tasks at the second lowest level, four at the second highest level, and not simple addition or simple subtraction), on average. All other students could do the literacy and numeracy tasks **Moderately Well** when they began primary school.

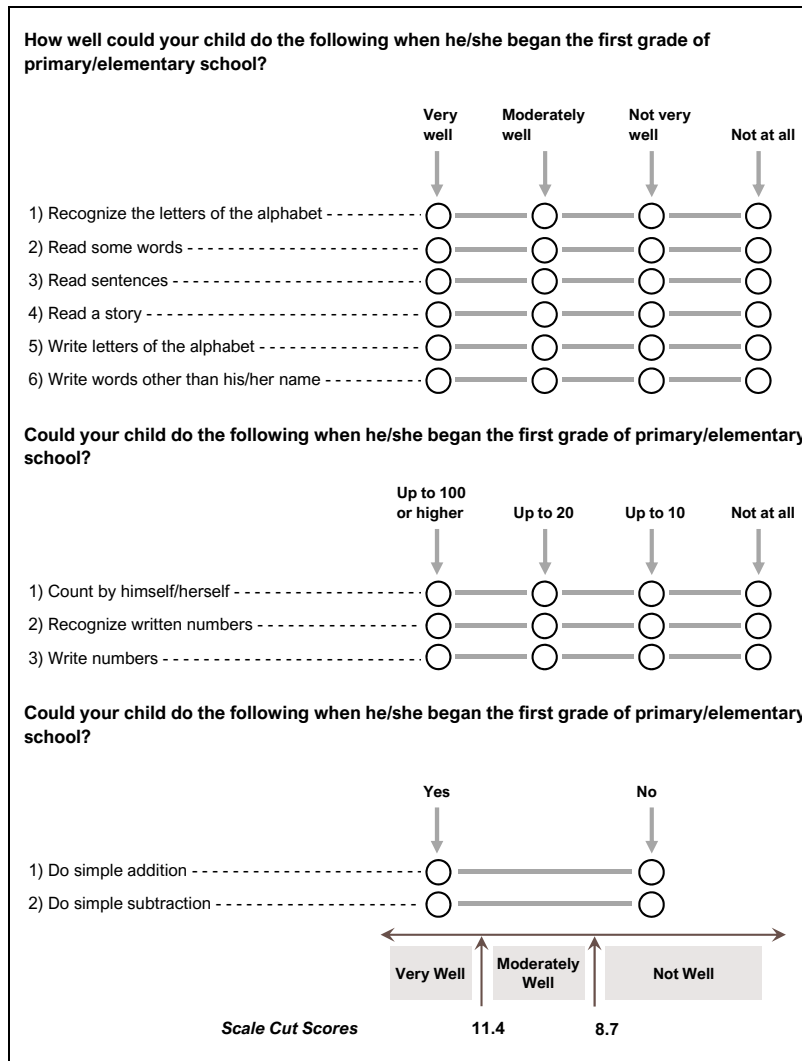


Exhibit 3.2.5: Could Do Literacy and Numeracy Tasks When Beginning Primary School – Parents' Reports

Country	Very Well		Moderately Well		Not Well		Average Scale Score	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement		
Albania	s	35 (2.3)	523 (8.5)	48 (2.6)	510 (7.0)	17 (2.1)	480 (10.7)	10.6 (0.11)
Armenia		14 (0.8)	522 (5.1)	52 (1.1)	514 (3.2)	34 (1.3)	508 (3.4)	9.5 (0.05)
Azerbaijan		21 (0.9)	531 (4.6)	54 (1.0)	497 (3.5)	25 (1.3)	458 (5.1)	9.9 (0.07)
Bahrain		52 (0.9)	480 (4.2)	41 (0.9)	448 (5.0)	7 (0.4)	419 (8.3)	11.5 (0.04)
Belgium (Flemish)		7 (0.5)	534 (7.2)	46 (1.0)	527 (2.8)	47 (1.1)	520 (2.4)	8.9 (0.04)
Belgium (French)		6 (0.5)	523 (5.9)	51 (0.9)	504 (2.7)	43 (0.8)	477 (3.2)	9.1 (0.03)
Bosnia & Herzegovina	s	17 (1.0)	490 (6.2)	55 (1.3)	457 (3.7)	28 (1.3)	425 (6.4)	9.8 (0.06)
Brazil		15 (0.8)	457 (6.9)	47 (0.8)	406 (3.8)	38 (1.2)	376 (4.1)	9.4 (0.06)
Bulgaria		18 (1.0)	577 (5.1)	50 (1.4)	546 (3.0)	33 (1.7)	482 (6.8)	9.5 (0.08)
Chile	s	12 (0.7)	499 (4.8)	51 (1.2)	454 (3.5)	36 (1.2)	416 (4.5)	9.4 (0.05)
Chinese Taipei		26 (0.7)	632 (2.2)	65 (0.8)	602 (1.9)	9 (0.4)	579 (4.1)	10.6 (0.03)
Cyprus		18 (0.6)	555 (3.5)	57 (0.9)	517 (2.6)	24 (0.7)	498 (3.4)	10.0 (0.03)
Czech Republic	r	11 (0.6)	573 (4.7)	53 (0.7)	538 (2.4)	36 (0.9)	524 (2.7)	9.4 (0.04)
Denmark		5 (0.4)	565 (6.0)	51 (0.8)	535 (2.4)	44 (0.9)	512 (2.5)	9.0 (0.02)
Finland		23 (0.8)	581 (3.1)	49 (0.9)	537 (2.5)	28 (0.9)	492 (2.9)	10.0 (0.04)
France		13 (0.6)	517 (4.2)	60 (0.9)	493 (3.3)	27 (0.8)	461 (3.7)	9.7 (0.03)
Georgia		12 (0.6)	522 (5.0)	54 (1.0)	502 (3.5)	33 (1.1)	485 (4.0)	9.4 (0.04)
Germany	s	6 (0.5)	554 (7.1)	45 (1.1)	542 (3.0)	49 (1.1)	530 (2.7)	8.9 (0.03)
Hong Kong SAR	r	36 (1.2)	627 (3.4)	57 (1.1)	584 (3.9)	7 (0.5)	524 (8.4)	11.0 (0.05)
Hungary	s	7 (0.5)	587 (8.2)	30 (1.1)	547 (4.6)	63 (1.3)	522 (4.9)	8.3 (0.07)
Iran, Islamic Rep. of		15 (0.7)	461 (5.1)	57 (0.8)	418 (4.3)	28 (0.9)	406 (5.4)	9.7 (0.04)
Ireland		47 (1.2)	577 (2.8)	47 (1.1)	534 (3.0)	7 (0.6)	469 (8.4)	11.4 (0.05)
Italy		8 (0.5)	539 (7.5)	50 (1.0)	520 (3.3)	42 (1.0)	504 (3.1)	9.1 (0.03)
Japan		24 (0.8)	621 (2.7)	63 (0.8)	591 (2.5)	12 (0.7)	545 (3.3)	10.5 (0.03)
Jordan		32 (0.9)	452 (5.3)	55 (1.0)	424 (6.0)	14 (1.0)	395 (8.5)	10.6 (0.04)
Kazakhstan		27 (1.1)	508 (4.8)	58 (0.8)	484 (3.6)	15 (0.9)	462 (4.7)	10.5 (0.05)
Korea, Rep. of		60 (1.0)	615 (2.5)	36 (0.9)	570 (2.9)	4 (0.4)	523 (8.6)	12.3 (0.04)
Kosovo	s	30 (1.1)	484 (3.7)	56 (1.4)	452 (5.8)	14 (0.9)	432 (7.9)	10.6 (0.05)
Kuwait		23 (0.8)	431 (5.2)	59 (0.9)	384 (4.6)	18 (0.9)	335 (8.3)	10.2 (0.04)
Latvia	s	32 (1.6)	577 (4.2)	58 (1.6)	530 (3.1)	10 (1.1)	479 (6.8)	10.8 (0.06)
Lithuania	s	24 (1.0)	610 (3.7)	62 (1.0)	562 (3.2)	14 (0.9)	518 (4.9)	10.4 (0.04)
Macao SAR		23 (0.5)	616 (2.0)	69 (0.5)	576 (1.2)	7 (0.3)	537 (5.1)	10.6 (0.02)
Montenegro	r	12 (0.5)	509 (4.9)	51 (0.9)	485 (2.6)	37 (0.9)	463 (3.7)	9.4 (0.03)
Morocco		17 (1.0)	439 (5.3)	49 (1.4)	397 (4.9)	34 (1.7)	366 (7.3)	9.4 (0.10)
North Macedonia		20 (0.8)	497 (4.6)	56 (1.0)	476 (3.8)	24 (0.9)	454 (5.1)	10.0 (0.04)
Norway (5)	s	8 (0.5)	587 (5.7)	43 (1.4)	554 (3.3)	49 (1.3)	524 (3.0)	9.0 (0.04)
Oman		48 (0.7)	441 (4.6)	44 (0.7)	408 (4.5)	9 (0.4)	379 (6.0)	11.4 (0.03)
Poland		40 (0.9)	575 (2.3)	52 (0.8)	535 (2.7)	8 (0.5)	489 (5.1)	11.1 (0.03)
Portugal		9 (0.6)	552 (5.9)	53 (1.0)	525 (3.0)	38 (1.0)	502 (3.3)	9.3 (0.04)
Qatar	s	41 (1.1)	484 (4.1)	49 (0.9)	454 (4.2)	10 (0.7)	427 (7.4)	11.1 (0.05)
Romania	s	22 (1.0)	581 (6.4)	52 (1.7)	554 (4.5)	26 (1.8)	536 (7.3)	10.0 (0.07)
Saudi Arabia	r	53 (1.0)	436 (4.7)	42 (0.9)	409 (4.6)	5 (0.4)	403 (7.6)	11.7 (0.04)
Serbia		23 (0.9)	555 (4.9)	58 (1.2)	520 (3.8)	20 (0.9)	496 (5.0)	10.2 (0.04)
Singapore	r	49 (1.0)	653 (2.3)	46 (0.9)	610 (3.0)	5 (0.4)	541 (7.6)	11.5 (0.04)
Slovak Republic		5 (0.4)	565 (6.0)	42 (1.1)	530 (2.9)	53 (1.1)	498 (4.1)	8.6 (0.06)
Slovenia		7 (0.5)	565 (4.0)	41 (1.0)	527 (2.5)	52 (1.0)	504 (2.1)	8.8 (0.04)
South Africa (5)	r	18 (0.6)	420 (5.3)	63 (0.6)	365 (4.3)	18 (0.7)	319 (6.0)	10.1 (0.03)
Spain		27 (0.7)	537 (2.5)	58 (0.9)	496 (2.2)	15 (0.6)	466 (3.2)	10.5 (0.03)
Sweden	r	24 (0.9)	573 (4.1)	58 (1.0)	531 (2.9)	18 (0.8)	505 (3.9)	10.3 (0.04)
Türkiye (5)		27 (0.9)	571 (4.8)	45 (1.1)	553 (5.5)	28 (1.3)	546 (5.9)	10.1 (0.06)
Uzbekistan		36 (1.2)	460 (3.5)	55 (1.2)	437 (3.7)	10 (0.7)	420 (7.2)	10.8 (0.05)
International Average		23 (0.1)	536 (0.7)	52 (0.2)	503 (0.5)	25 (0.1)	473 (0.8)	
Canada	x	28 (0.9)	562 (3.6)	53 (0.9)	515 (2.6)	19 (0.7)	487 (3.3)	10.4 (0.04)
United Arab Emirates	x	49 (0.5)	529 (1.8)	43 (0.5)	500 (2.1)	8 (0.2)	479 (3.6)	11.5 (0.02)
New Zealand	y	--	--	--	--	--	--	--
Australia		--	--	--	--	--	--	--
England		--	--	--	--	--	--	--
Netherlands		--	--	--	--	--	--	--
United States		--	--	--	--	--	--	--
Benchmarking Participants								
Sharjah, UAE	s	53 (1.0)	535 (4.1)	40 (1.0)	501 (4.6)	7 (0.5)	494 (9.5)	11.6 (0.04)
Abu Dhabi, UAE	x	45 (0.8)	502 (3.2)	45 (0.8)	474 (3.1)	9 (0.4)	447 (5.9)	11.3 (0.03)
Dubai, UAE	x	50 (1.1)	582 (2.7)	43 (1.2)	552 (3.5)	7 (0.5)	531 (6.3)	11.5 (0.04)
Quebec, Canada	x	16 (1.1)	564 (4.9)	56 (1.2)	524 (3.7)	28 (1.5)	498 (4.5)	9.8 (0.06)
Ontario, Canada	y	--	--	--	--	--	--	--

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 "y" indicates data are available for less than 40% of the students.

A dash (-) indicates comparable data not available.

Exhibit 3.2.6: Could Do Literacy and Numeracy Tasks When Beginning Primary School – Parents' Reports

Country	Very Well		Moderately Well		Not Well		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Albania	35 (2.3)	501 (7.2)	48 (2.6)	489 (6.0)	17 (2.1)	463 (10.0)	10.6 (0.11)
Armenia	14 (0.8)	465 (5.0)	52 (1.1)	458 (3.6)	34 (1.3)	453 (2.9)	9.5 (0.05)
Azerbaijan	21 (0.9)	452 (4.5)	54 (1.0)	424 (3.0)	25 (1.3)	391 (4.9)	9.9 (0.07)
Bahrain	52 (0.9)	499 (4.5)	41 (0.9)	456 (4.4)	7 (0.4)	420 (8.6)	11.5 (0.04)
Belgium (Flemish)	7 (0.5)	481 (7.6)	46 (1.0)	490 (3.0)	47 (1.1)	495 (3.4)	8.9 (0.04)
Belgium (French)	6 (0.5)	505 (5.8)	51 (0.9)	490 (3.1)	43 (0.8)	473 (3.2)	9.1 (0.03)
Bosnia & Herzegovina	17 (1.0)	484 (7.2)	55 (1.3)	458 (4.6)	28 (1.3)	422 (9.1)	9.8 (0.06)
Brazil	15 (0.8)	482 (6.3)	47 (0.8)	433 (4.0)	38 (1.2)	401 (4.8)	9.4 (0.06)
Bulgaria	18 (1.0)	577 (5.2)	50 (1.4)	549 (3.8)	33 (1.7)	478 (9.2)	9.5 (0.08)
Chile	12 (0.7)	525 (5.9)	51 (1.2)	491 (3.0)	36 (1.2)	457 (4.1)	9.4 (0.05)
Chinese Taipei	26 (0.7)	597 (2.1)	65 (0.8)	568 (2.0)	9 (0.4)	545 (4.9)	10.6 (0.03)
Cyprus	18 (0.6)	524 (4.6)	57 (0.9)	488 (3.5)	24 (0.7)	471 (4.1)	10.0 (0.03)
Czech Republic	11 (0.6)	554 (3.7)	53 (0.7)	532 (2.7)	36 (0.9)	526 (2.6)	9.4 (0.04)
Denmark	5 (0.4)	546 (6.6)	51 (0.8)	531 (2.8)	44 (0.9)	519 (2.8)	9.0 (0.02)
Finland	23 (0.8)	582 (3.4)	49 (0.9)	548 (3.2)	28 (0.9)	518 (3.0)	10.0 (0.04)
France	13 (0.6)	512 (4.3)	60 (0.9)	495 (3.1)	27 (0.8)	473 (3.8)	9.7 (0.03)
Georgia	12 (0.6)	483 (5.6)	54 (1.0)	468 (3.5)	33 (1.1)	456 (4.6)	9.4 (0.04)
Germany	6 (0.5)	520 (9.1)	45 (1.1)	533 (3.8)	49 (1.1)	532 (3.4)	8.9 (0.03)
Hong Kong SAR	36 (1.2)	573 (3.7)	57 (1.1)	534 (3.9)	7 (0.5)	476 (9.3)	11.0 (0.05)
Hungary	7 (0.5)	577 (7.0)	30 (1.1)	546 (4.3)	63 (1.3)	528 (5.1)	8.3 (0.07)
Iran, Islamic Rep. of	15 (0.7)	473 (5.3)	57 (0.8)	431 (4.8)	28 (0.9)	418 (5.9)	9.7 (0.04)
Ireland	47 (1.2)	559 (3.2)	47 (1.1)	521 (3.6)	7 (0.6)	466 (9.1)	11.4 (0.05)
Italy	8 (0.5)	527 (6.4)	50 (1.0)	513 (2.6)	42 (1.0)	509 (3.4)	9.1 (0.03)
Japan	24 (0.8)	580 (3.2)	63 (0.8)	555 (2.7)	12 (0.7)	517 (3.4)	10.5 (0.03)
Jordan	32 (0.9)	450 (4.8)	55 (1.0)	415 (5.8)	14 (1.0)	380 (8.7)	10.6 (0.04)
Kazakhstan	27 (1.1)	483 (4.9)	58 (0.8)	463 (3.8)	15 (0.9)	454 (5.2)	10.5 (0.05)
Korea, Rep. of	60 (1.0)	602 (2.5)	36 (0.9)	561 (3.0)	4 (0.4)	533 (11.2)	12.3 (0.04)
Kosovo	30 (1.1)	429 (4.3)	56 (1.4)	408 (5.4)	14 (0.9)	388 (8.0)	10.6 (0.05)
Kuwait	23 (0.8)	426 (6.2)	59 (0.9)	376 (5.9)	18 (0.9)	325 (9.3)	10.2 (0.04)
Latvia	32 (1.6)	566 (4.0)	58 (1.6)	523 (3.7)	10 (1.1)	478 (10.2)	10.8 (0.06)
Lithuania	24 (1.0)	581 (3.8)	62 (1.0)	538 (3.1)	14 (0.9)	498 (5.2)	10.4 (0.04)
Macao SAR	23 (0.5)	570 (2.7)	69 (0.5)	529 (1.6)	7 (0.3)	491 (4.1)	10.6 (0.02)
Montenegro	12 (0.5)	487 (5.2)	51 (0.9)	467 (2.5)	37 (0.9)	448 (3.3)	9.4 (0.03)
Morocco	17 (1.0)	443 (5.5)	49 (1.4)	394 (5.8)	34 (1.7)	361 (8.3)	9.4 (0.10)
North Macedonia	20 (0.8)	456 (5.0)	56 (1.0)	441 (4.5)	24 (0.9)	424 (4.9)	10.0 (0.04)
Norway (5)	8 (0.5)	578 (5.8)	43 (1.4)	550 (3.6)	49 (1.3)	529 (3.6)	9.0 (0.04)
Oman	48 (0.7)	458 (4.6)	44 (0.7)	419 (4.8)	9 (0.4)	376 (7.6)	11.4 (0.03)
Poland	40 (0.9)	572 (2.3)	52 (0.8)	543 (2.9)	8 (0.5)	501 (6.1)	11.1 (0.03)
Portugal	9 (0.6)	532 (5.4)	53 (1.0)	516 (2.3)	38 (1.0)	500 (2.9)	9.3 (0.04)
Qatar	41 (1.1)	500 (4.7)	49 (0.9)	465 (4.3)	10 (0.7)	436 (7.3)	11.1 (0.05)
Romania	22 (1.0)	560 (5.7)	52 (1.7)	540 (4.5)	26 (1.8)	524 (7.1)	10.0 (0.07)
Saudi Arabia	53 (1.0)	448 (4.5)	42 (0.9)	416 (4.8)	5 (0.4)	397 (6.8)	11.7 (0.04)
Serbia	23 (0.9)	539 (4.5)	58 (1.2)	507 (3.3)	20 (0.9)	487 (5.6)	10.2 (0.04)
Singapore	49 (1.0)	644 (2.3)	46 (0.9)	601 (2.8)	5 (0.4)	540 (7.3)	11.5 (0.04)
Slovak Republic	5 (0.4)	563 (6.8)	42 (1.1)	537 (2.9)	53 (1.1)	505 (4.8)	8.6 (0.06)
Slovenia	7 (0.5)	571 (4.6)	41 (1.0)	534 (2.6)	52 (1.0)	520 (2.9)	8.8 (0.04)
South Africa (5)	18 (0.6)	376 (7.2)	63 (0.6)	312 (6.1)	18 (0.7)	258 (7.7)	10.1 (0.03)
Spain	27 (0.7)	537 (2.2)	58 (0.9)	502 (2.3)	15 (0.6)	476 (3.7)	10.5 (0.03)
Sweden	24 (0.9)	571 (4.4)	58 (1.0)	535 (3.2)	18 (0.8)	516 (4.5)	10.3 (0.04)
Türkiye (5)	27 (0.9)	582 (4.2)	45 (1.1)	571 (4.5)	28 (1.3)	566 (5.2)	10.1 (0.06)
Uzbekistan	36 (1.2)	432 (3.8)	55 (1.2)	404 (3.8)	10 (0.7)	383 (7.7)	10.8 (0.05)
International Average	23 (0.1)	520 (0.7)	52 (0.2)	492 (0.5)	25 (0.1)	465 (0.9)	
Canada	28 (0.9)	570 (3.3)	53 (0.9)	529 (2.9)	19 (0.7)	503 (3.6)	10.4 (0.04)
United Arab Emirates	49 (0.5)	531 (2.4)	43 (0.5)	499 (2.6)	8 (0.2)	476 (4.1)	11.5 (0.02)
New Zealand	--	--	--	--	--	--	--
Australia	--	--	--	--	--	--	--
England	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--
United States	--	--	--	--	--	--	--
Benchmarking Participants							
Sharjah, UAE	53 (1.0)	538 (4.5)	40 (1.0)	504 (5.2)	7 (0.5)	492 (9.7)	11.6 (0.04)
Abu Dhabi, UAE	45 (0.8)	495 (4.4)	45 (0.8)	465 (4.3)	9 (0.4)	434 (7.2)	11.3 (0.03)
Dubai, UAE	50 (1.1)	591 (3.3)	43 (1.2)	559 (3.7)	7 (0.5)	542 (6.5)	11.5 (0.04)
Quebec, Canada	16 (1.1)	542 (5.7)	56 (1.2)	517 (4.2)	28 (1.5)	500 (5.0)	9.8 (0.06)
Ontario, Canada	--	--	--	--	--	--	--

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 "y" indicates data are available for less than 40% of the students.

A dash (-) indicates comparable data not available.