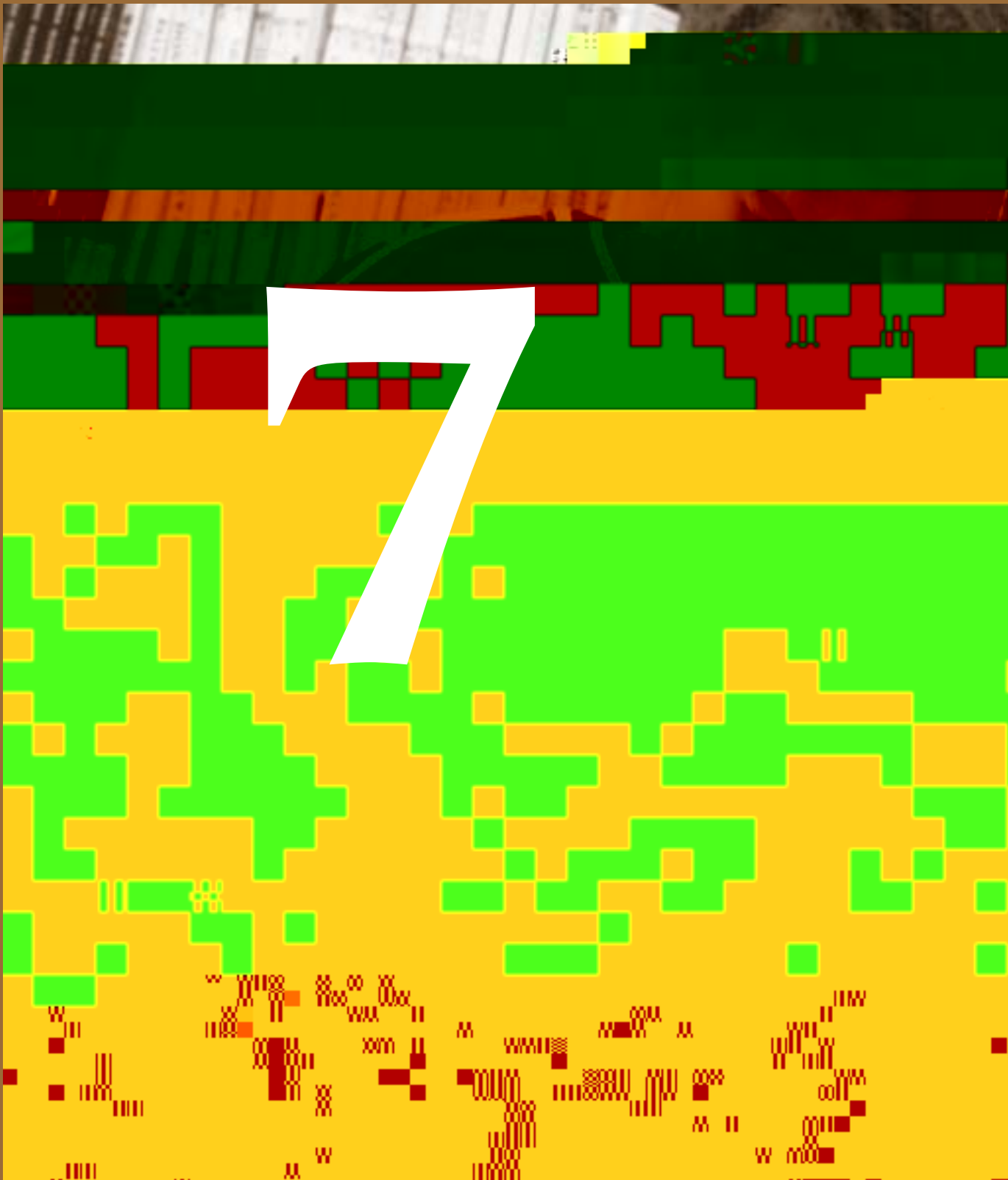


PIRLS

Chapter 7



Chapter 7

3. C

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... F... 70... C...

... 4... 10... 7.3...

Argentina	75 (4.5)	427 (6.5)	19 (4.0)	395 (15.2)	5 (2.0)	412 (15.8)
Belize	38 (6.3)	361 (9.4)	15 (6.5)	318 (28.0)	48 (6.2)	296 (7.3)
Bulgaria	64 (2.8)	566 (4.2)	12 (2.6)	542 (17.1)	24 (2.3)	516 (9.1)
Canada (O,Q)	40 (3.7)	540 (3.7)	39 (3.5)	552 (3.4)	21 (2.9)	536 (4.3)
Colombia	70 (3.0)	435 (4.8)	2 (1.1)	~ ~	29 (3.0)	388 (7.3)
Cyprus	r 44 (3.1)	502 (5.3)	25 (3.2)	497 (7.5)	30 (2.7)	482 (4.9)
Czech Republic	55 (3.4)	540 (3.0)	17 (3.3)	537 (4.8)	28 (3.2)	529 (6.0)
England	48 (5.0)	542 (4.2)	32 (4.6)	557 (6.9)	21 (3.7)	574 (5.3)
France	36 (4.1)	525 (5.4)	29 (4.2)	523 (4.6)	35 (3.6)	527 (3.3)
Germany	33 (2.8)	523 (3.2)	22 (2.9)	546 (4.3)	45 (3.8)	547 (2.0)
Greece	--	--	--	--	--	--
Hong Kong, SAR	52 (3.0)	533 (3.8)	46 (2.7)	526 (5.2)	2 (1.1)	~ ~
Hungary	28 (2.5)	566 (4.3)	36 (2.3)	546 (4.9)	36 (1.7)	526 (2.8)
Iceland	r 36 (0.4)	519 (2.3)	43 (0.4)	511 (2.0)	21 (0.3)	499 (3.5)
Iran, Islamic Rep. of	48 (3.7)	444 (6.3)	9 (2.4)	413 (14.5)	43 (3.1)	375 (4.5)
Israel	52 (3.8)	525 (5.6)	22 (3.2)	531 (7.6)	27 (3.3)	461 (11.4)
Italy						

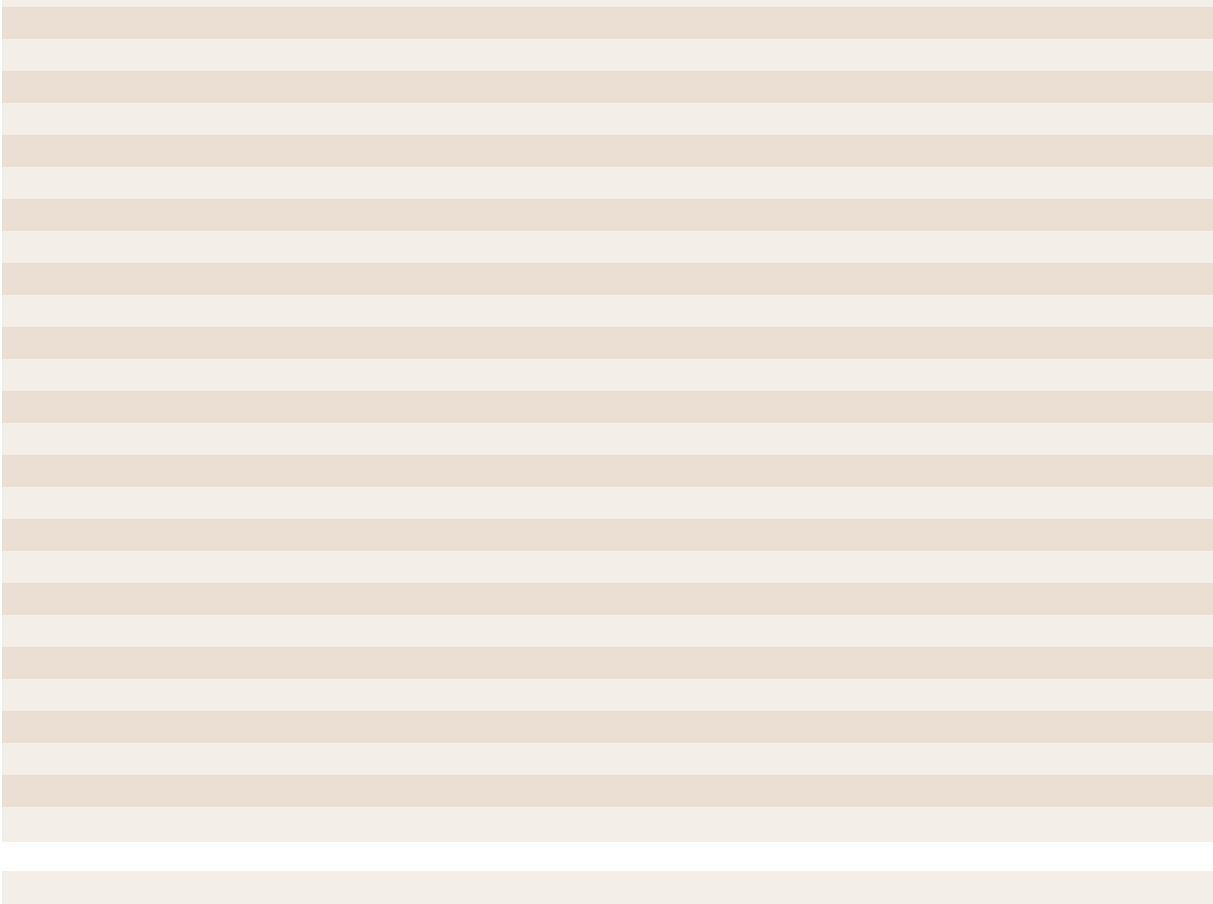


SOURCE: IEA P L a R a L a (P I R L S) 2 0 0 1 .



Argentina	r	97 (1.7)	428 (6.4)	2 (1.5)	~ ~	1 (0.0)	~ ~	0 (0.0)	~ ~
Belize		23 (5.5)	341 (16.1)	13 (6.0)	318 (11.5)	7 (3.2)	300 (17.0)	58 (8.2)	323 (11.1)
Bulgaria		61 (3.9)	569 (3.9)	9 (2.4)	543 (9.3)	7 (2.2)	529 (13.1)	23 (3.2)	509 (12.2)
Canada (O,Q)		80 (2.8)	548 (2.6)	9 (1.9)	529 (6.7)	6 (1.7)	525 (9.2)	4 (1.3)	514 (10.3)
Colombia	r	93 (2.6)	425 (5.2)	0 (0.3)	~ ~	1 (0.0)	~ ~	6 (2.5)	444 (56.7)
Cyprus	r	96 (1.0)	495 (3.3)	3 (0.9)	483 (19.4)	0 (0.0)	~ ~	0 (0.4)	~ ~

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 4 (90%)
 E 85
 4 (60%)

A E 7.7.

	Country		International Avg.	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Argentina	52 (4.7)	429 (9.0)	48 (4.7)	407 (8.0)
Belize	65 (6.8)	325 (6.0)	35 (6.8)	328 (10.3)
Bulgaria	68 (3.5)	556 (4.5)	32 (3.5)	540 (6.2)
Canada (O,Q)	42 (3.7)	542 (3.6)	58 (3.7)	546 (3.2)
Colombia	80 (3.8)	422 (4.4)	20 (3.8)	423 (15.3)
Cyprus	94 (2.3)	495 (3.3)	6 (2.3)	502 (19.1)
Czech Republic	60 (3.6)	540 (2.8)	40 (3.6)	532 (4.2)
England	36 (4.7)	561 (5.7)	64 (4.7)	550 (4.8)
France	65 (4.9)	522 (3.3)	35 (4.9)	529 (4.5)
Germany	53 (4.0)	536 (3.0)	47 (4.0)	542 (2.7)
Greece	86 (3.4)	526 (3.7)	14 (3.4)	518 (11.4)
Hong Kong, SAR	73 (3.8)	528 (3.9)	27 (3.8)	530 (4.7)
Hungary	81 (3.1)	546 (2.4)	19 (3.1)	538 (5.2)
Iceland	86 (0.3)	512 (1.4)	14 (0.3)	514 (3.5)
Iran, Islamic Rep. of	61 (3.9)	410 (5.6)	39 (3.9)	416 (8.5)
Israel	99 (1.3)	507 (3.0)	1 (1.3)	~ ~
Italy	98 (1.1)	541 (2.4)	2 (1.1)	~ ~
Kuwait	85 (2.9)	402 (4.2)	15 (2.9)	378 (13.9)
Latvia	83 (2.9)	545 (2.8)	17 (2.9)	542 (5.6)
Lithuania	77 (3.0)	547 (3.2)	23 (3.0)	531 (6.1)
Macedonia, Rep. of	92 (2.5)	437 (5.0)	8 (2.5)	477 (17.5)
Moldova, Rep. of	91 (2.9)	491 (4.1)	9 (2.9)	495 (14.5)
Morocco	71 (4.5)	346 (8.8)	29 (4.5)	345 (26.1)
Netherlands	60 (5.0)	554 (3.7)	40 (5.0)	554 (4.0)
New Zealand	41 (4.4)	534 (6.2)	59 (4.4)	526 (4.9)
Norway	86 (3.8)	499 (3.2)	14 (3.8)	503 (9.5)
Romania	85 (2.5)	515 (5.0)	15 (2.5)	496 (13.1)
Russian Federation	98 (0.9)	528 (4.4)	2 (0.9)	~ ~
Scotland	31 (4.2)	533 (8.5)	69 (4.2)	525 (3.8)
Singapore	79 (3.3)	521 (5.9)	21 (3.3)	554 (9.2)
Slovak Republic	63 (4.0)	521 (3.9)	37 (4.0)	513 (5.5)
Slovenia	97 (1.5)	501 (2.1)	3 (1.5)	516 (5.3)
Sweden	71 (4.1)	561 (2.7)	29 (4.1)	563 (4.2)
Turkey	74 (3.8)	453 (4.0)	26 (3.8)	440 (6.3)
United States	51 (3.8)	535 (6.0)	49 (3.8)	552 (4.6)
International Avg.	72 (0.6)	501 (0.8)	28 (0.6)	498 (1.7)

SOURCE: IEA PIRLS 2001.

Ba... () Sa... m... A... 70-84%... a... 50-69%... A... na 50% n

	2000	2001	2002	2003	2004	2005	2006	2007
Argentina	30 (3.6)	441 (9.4)	28 (4.6)	410 (11.9)	24 (4.4)	422 (14.5)	18 (3.8)	393 (12.4)
Belize	6 (4.3)	389 (25.1)	38 (6.3)	323 (11.0)	35 (6.8)	330 (15.3)	22 (4.1)	308 (11.4)
Bulgaria	16 (2.8)	546 (15.6)	13 (2.9)	551 (12.8)	45 (3.7)	554 (5.1)	26 (3.8)	548 (5.8)
Canada (O,Q)	9 (2.1)	545 (7.5)	19 (2.7)	542 (5.0)	50 (3.3)	546 (3.5)	22 (2.4)	542 (4.2)
Colombia	13 (2.5)	406 (15.9)	18 (3.6)	444 (7.9)	45 (4.9)	419 (6.3)	24 (4.8)	420 (13.7)
Cyprus	23 (4.7)	494 (5.2)	67 (4.9)	497 (4.3)	4 (1.8)	499 (29.5)	7 (2.0)	475 (10.6)
Czech Republic	39 (4.2)	535 (4.6)	17 (3.4)	534 (3.4)	30 (4.0)	542 (4.5)	14 (2.8)	537 (4.2)
England	31 (3.6)	551 (6.5)	52 (4.4)	555 (5.5)	10 (2.7)	560 (7.5)	6 (2.3)	541 (10.7)
France	46 (4.6)	527 (3.5)	9 (2.4)	533 (9.0)	38 (4.5)	520 (4.8)	7 (2.5)	526 (9.3)
Germany	10 (2.8)	546 (7.5)	19 (3.4)	547 (3.7)	27 (3.3)	533 (4.2)	44 (3.9)	538 (3.0)
Greece	13 (2.8)	511 (13.5)	26 (3.6)	529 (6.7)	38 (4.5)	520 (4.4)	23 (3.9)	531 (7.1)
Hong Kong, SAR	3 (1.5)	533 (13.1)	16 (3.0)	527 (7.7)	33 (4.1)	524 (6.2)	48 (4.1)	532 (3.5)
Hungary	4 (1.6)	539 (6.5)	4 (1.4)	556 (14.7)	48 (4.2)	546 (4.0)	45 (4.3)	541 (3.7)
Iceland	29 (0.3)	514 (2.5)	51 (0.4)	509 (1.9)	14 (0.3)	519 (4.0)	7 (0.2)	506 (4.7)
Iran, Islamic Rep. of	21 (3.6)	413 (12.0)	19 (3.7)	421 (10.4)	53 (4.2)	413 (7.0)	7 (2.2)	404 (24.5)
Israel	34 (4.1)	473 (9.2)	62 (4.0)	527 (4.4)	2 (1.3)	60539)-393.8(6.5)-(141)J0(16)60539)-390.8(6.5)		

	Reading		Mathematics		Science		Total	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Argentina	28 (4.3)	392 (13.3)	37 (5.1)	437 (8.8)	23 (4.5)	433 (12.5)	12 (2.4)	397 (13.7)
Belize	28 (3.8)	335 (8.8)	24 (3.3)	295 (12.5)	24 (3.7)	325 (11.1)	24 (4.2)	336 (17.1)
Bulgaria	63 (3.6)	548 (5.2)	19 (3.1)	550 (7.4)	16 (2.6)	562 (8.1)	3 (1.3)	540 (20.3)
Canada (O,Q)	18 (2.6)	549 (5.1)	35 (3.1)	546 (3.8)	31 (3.2)	545 (4.7)	15 (2.5)	537 (4.5)
Colombia	18 (3.1)	418 (12.6)	40 (4.6)	421 (7.7)	22 (4.0)	424 (8.0)	20 (4.2)	427 (15.3)
Cyprus	39 (4.5)	491 (4.3)	21 (3.8)	502 (5.8)	25 (4.4)	497 (6.9)	15 (3.4)	485 (6.1)
Czech Republic	49 (4.4)	537 (3.1)	36 (4.6)	535 (4.7)	11 (2.7)	539 (7.0)	4 (1.6)	536 (18.3)
England	26 (3.6)	536 (7.0)	32 (4.2)	564 (6.6)	33 (4.2)	563 (6.2)	9 (2.3)	540 (8.3)
France	12 (2.1)	529 (7.3)	33 (3.9)	520 (5.2)	33 (4.1)	530 (4.3)	22 (3.9)	524 (5.6)
Germany	26 (3.1)	538 (3.4)	32 (3.3)	542 (3.4)	31 (3.3)	543 (3.1)	11 (2.2)	528 (6.7)
Greece	25 (3.4)	539 (6.5)	41 (4.6)	518 (6.9)	18 (3.0)	523 (6.7)	16 (3.3)	527 (6.4)
Hong Kong, SAR	15 (3.4)	513 (9.0)	40 (4.3)	531 (5.5)	35 (4.6)	532 (5.1)	10 (2.3)	532 (5.9)
Hungary	51 (4.2)	539 (3.5)	29 (4.1)	552 (4.6)	17 (3.3)	542 (6.8)	2 (1.3)	~ ~
Iceland	21 (0.3)	512 (2.3)	28 (0.3)	512 (1.9)	40 (0.3)	515 (2.1)	11 (0.2)	515 (4.5)
Iran, Islamic Rep. of	18 (2.8)	421 (9.5)	61 (3.6)	415 (5.8)	12 (2.1)	402 (12.9)	8 (2.3)	413 (20.5)
Israel	53 (4.1)	513 (5.8)	29 (3.6)	483 (8.6)	15 (3.2)	543 (10.4)	3 (1.5)	477 (37.8)
Italy	46 (3.5)	535 (4.0)	32 (3.6)	548 (3.8)	10 (2.1)	543 (7.5)	12 (2.7)	543 (7.0)
Kuwait	64 (3.3)	403 (5.9)	19 (2.8)	393 (6.9)	8 (2.1)	408 (18.1)	9 (2.1)	385 (12.6)
Latvia	20 (3.4)	548 (6.6)	50 (4.4)	542 (3.6)	29 (3.9)	548 (4.7)	1 (0.9)	~ ~
Lithuania	29 (4.0)	539 (4.9)	47 (4.4)	547 (4.2)	24 (3.5)	540 (6.0)	0 (0.0)	~ ~
Macedonia, Rep. of	68 (4.2)	442 (5.9)	29 (4.0)	441 (11.0)	2 (0.9)	~ ~	2 (1.1)	~ ~
Moldova, Rep. of	55 (4.8)	488 (6.2)	35 (4.6)	499 (7.1)	9 (2.4)	490 (9.3)	0 (0.5)	~ ~
Morocco	19 (3.8)	339 (18.7)	37 (4.6)	337 (16.3)	34 (5.0)	362 (10.9)	10 (3.1)	313 (20.2)
Netherlands	12 (2.9)	550 (9.3)	27 (4.2)	546 (4.3)	55 (4.5)	559 (2.9)	6 (2.1)	547 (9.7)
New Zealand	26 (3.7)	516 (7.2)	36 (4.3)	530 (6.8)	31 (3.6)	540 (6.9)	7 (2.4)	515 (17.3)
Norway	61 (4.1)	501 (4.4)	19 (3.9)	495 (4.5)	11 (2.5)	496 (9.5)	9 (2.9)	497 (5.1)
Romania	45 (4.3)	507 (7.1)	49 (4.3)	519 (7.2)	6 (2.0)	487 (17.8)	0 (0.4)	~ ~
Russian Federation	25 (3.1)	525 (9.0)	59 (4.1)	531 (3.7)	15 (3.3)	520 (8.9)	0 (0.0)	~ ~
Scotland	7 (2.5)	529 (15.5)	30 (4.2)	532 (8.8)	44 (5.1)	527 (5.2)	18 (3.8)	523 (8.1)
Singapore	14 (2.7)	512 (14.0)	38 (3.7)	517 (7.2)	37 (3.7)	546 (7.7)	11 (2.5)	525 (18.1)
Slovak Republic	45 (4.2)	518 (3.7)	42 (4.2)	520 (5.7)	11 (2.7)	515 (8.0)	3 (1.3)	492 (20.5)
Slovenia	48 (4.5)	500 (2.7)	26 (3.9)	497 (4.9)	18 (3.3)	511 (4.6)	8 (2.4)	505 (5.6)
Sweden	28 (2.8)	556 (4.5)	21 (2.7)	562 (3.8)	37 (3.2)	563 (3.2)	14 (1.9)	568 (4.2)
Turkey	37 (3.9)	456 (6.9)	40 (4.2)	448 (6.4)	18 (2.8)	443 (9.2)	4 (1.8)	431 (8.6)
United States	35 (4.7)	539 (7.3)	35 (4.6)	541 (7.1)	26 (3.4)	554 (6.4)	4 (1.6)	512 (20.9)
International Avg.	34 (0.6)	498 (1.4)	35 (0.7)	499 (1.2)	23 (0.6)	505 (2.1)	9 (0.4)	488 (3.4)

SOURCE: IEA PIRLS 2001

Bar chart showing the percentage of students achieving at least 70-84% in reading, mathematics, and science. The chart compares the percentage of students achieving at least 70-84% in reading, mathematics, and science across various countries and the international average. The international average is 50% for reading, 50% for mathematics, and 50% for science.

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4

E

3 (65%)

E 7.11

4

4 (48%)

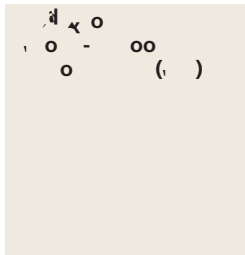
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E

7.12. 4

Country	2001		2006		2011		Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
United States	97 (1.4)	543 (3.8)	3 (1.4)	540 (20.8)	0 (0.0)	--	524
Canada (O,Q)	96 (1.3)	544 (2.4)	4 (1.3)	546 (8.8)	0 (0.1)	--	524
Netherlands	92 (2.4)	554 (2.8)	7 (2.3)	546 (9.3)	1 (0.7)	--	524
Kuwait	69 (3.2)	405 (5.7)	23 (2.8)	397 (6.3)	8 (1.9)	394 (8.2)	524
New Zealand	66 (4.1)	531 (5.1)	31 (3.9)	527 (7.4)	3 (1.4)	544 (14.5)	524
Israel	66 (4.0)	523 (4.3)	25 (3.8)	481 (12.1)	9 (2.0)	473 (18.3)	524
Singapore	63 (4.4)	531 (6.9)	27 (4.0)	521 (10.8)	10 (2.3)	524 (10.3)	524
France	56 (4.9)	528 (3.4)	24 (4.7)	526 (5.8)	20 (4.4)	517 (7.1)	524
Hong Kong, SAR	53 (4.7)	528 (3.9)	23 (3.9)	529 (6.9)	24 (3.5)	531 (5.5)	524
Iran, Islamic Rep. of	52 (4.7)	428 (7.1)	25 (3.8)	406 (9.3)	23 (3.4)	392 (10.6)	524
Iceland	51 (0.4)	508 (1.6)	27 (0.3)	512 (2.7)	22 (0.3)	522 (3.2)	524
Argentina	49 (4.9)	423 (10.3)	21 (3.5)	426 (8.9)	30 (4.1)	406 (11.8)	524
Italy	41 (3.5)	546 (3.8)	30 (3.3)	536 (4.5)	29 (3.3)	537 (5.1)	524
Russian Federation	40 (4.6)	530 (9.1)	43 (4.7)	529 (3.4)	17 (2.5)	524 (8.9)	524
Greece	40 (4.6)	535 (6.6)	17 (3.3)	510 (8.3)	43 (4.9)	519 (5.1)	524
Colombia	39 (4.6)	451 (4.7)	26 (4.4)	422 (12.1)	35 (4.9)	391 (7.0)	524
Germany	38 (3.6)	534 (3.7)	30 (3.5)	543 (3.5)	32 (3.2)	541 (3.8)	524
Scotland	35 (4.2)	530 (5.9)	54 (4.0)	530 (5.4)	12 (3.3)	513 (7.3)	524
Belize	35 (7.6)	345 (16.8)	23 (6.9)	297 (12.0)	42 (6.3)	315 (10.0)	524
Sweden	33 (3.9)	564 (3.8)	48 (4.5)	559 (3.5)	19 (3.8)	561 (4.7)	524
Hungary	31 (3.6)	549 (4.2)	40 (3.8)	545 (4.2)	29 (3.8)	539 (4.1)	524
Slovenia	31 (3.7)	511 (3.6)	29 (3.8)	499 (4.5)	40 (3.8)	496 (3.2)	524
Latvia	28 (4.2)	542 (5.0)	31 (4.6)	547 (4.5)	41 (4.4)	544 (3.9)	524
Romania	28 (4.0)	532 (9.2)	41 (4.8)	508 (5.9)	31 (4.4)	499 (10.2)	524
Czech Republic	27 (3.9)	537 (3.7)	31 (3.7)	541 (4.3)	42 (4.6)	534 (3.8)	524
Lithuania	26 (3.8)	542 (4.5)	54 (4.1)	540 (3.7)	20 (3.3)	555 (6.1)	524
Cyprus	25 (4.6)	486 (5.7)	42 (6.1)	503 (4.8)	33 (5.9)	490 (5.7)	524
Norway	24 (4.7)	498 (6.6)	35 (5.0)	507 (4.0)	41 (5.2)	493 (4.9)	524
Slovak Republic	24 (3.6)	526 (6.0)	35 (4.1)	520 (5.4)	41 (3.8)	512 (5.2)	524
England	15 (3.2)	577 (6.7)	71 (4.1)	551 (4.3)	14 (3.2)	544 (6.0)	524
Moldova, Rep. of	15 (3.1)	500 (11.0)	19 (3.3)	499 (7.5)	66 (4.0)	487 (5.5)	524
Macedonia, Rep. of	10 (2.9)	457 (17.5)	17 (3.4)	466 (14.1)	74 (4.3)	434 (6.2)	524
Turkey	8 (2.4)	446 (6.0)	11 (3.3)	444 (8.5)	81 (3.8)	451 (4.1)	524
Bulgaria	8 (2.1)	578 (16.4)	10 (2.2)	549 (8.7)	82 (2.8)	547 (4.8)	524
Morocco	7 (2.7)	428 (25.2)	9 (3.0)	346 (15.0)	84 (3.9)	341 (11.0)	524
International Avg.	41 (0.7)	508 (1.4)	28 (0.7)	499 (1.4)	31 (0.6)	490 (1.4)	524

SOURCE: IEA PIRLS 2001



Background text and decorative elements on the right side of the page, including a large graphic of a grid of circles.

ISC PIRLS 2001. The International Average score is 490. The score for each country is shown in the table and the bar chart. The score for the United States is 524.

	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	Percent of Students	Average Achievement
Argentina	32 (4.4)	425 (8.4)	31 (5.0)	406 (14.9)	37 (4.6)	425 (9.4)		
Belize	30 (4.3)	342 (11.3)	38 (5.0)	321 (10.3)	32 (5.4)	311 (11.4)		
Bulgaria	55 (4.3)	552 (6.5)	38 (4.3)	553 (5.7)	8 (2.0)	527 (14.5)		
Canada (O,Q)	24 (2.9)	549 (3.8)	44 (3.6)	546 (3.1)	33 (3.3)	540 (4.8)		
Colombia	35 (5.0)	420 (9.0)	35 (4.8)	427 (6.8)	30 (4.6)	426 (9.5)		
Cyprus	50 (5.1)	496 (4.5)	39 (4.6)	494 (4.9)	11 (2.8)	486 (6.9)		
Czech Republic	55 (4.5)	540 (3.4)	29 (3.9)	535 (4.1)	17 (3.2)	529 (6.9)		
England	7 (2.7)	583 (9.9)	6 (2.3)	546 (13.3)	86 (3.5)	552 (3.6)		
France	30 (4.3)	530 (4.5)	41 (4.3)	525 (3.8)	29 (3.7)	519 (5.2)		
Germany	12 (2.1)	535 (3.8)	34 (3.2)	540 (3.4)	53 (3.2)	539 (3.2)		
Greece	56 (4.7)	521 (4.6)	29 (4.0)	533 (8.3)	16 (2.9)	526 (9.6)		
Hong Kong, SAR	22 (3.8)	532 (7.5)	13 (3.1)	535 (6.2)	65 (4.7)	526 (3.8)		
Hungary	14 (2.8)	557 (9.2)	59 (4.1)	544 (3.5)	28 (3.6)	538 (4.7)		
Iceland	34 (0.4)	517 (1.9)	10 (0.2)	506 (3.9)	56 (0.4)	512 (1.6)		
Iran, Islamic Rep. of	21 (3.0)	421 (11.3)	47 (4.1)	414 (5.9)	32 (4.1)	410 (8.5)		
Israel	14 (3.2)	496 (15.1)	36 (4.2)	496 (7.2)	50 (4.6)	512 (7.3)		
Italy	59 (3.5)	544 (3.5)	24 (3.0)	538 (4.2)	16 (2.8)	540 (7.3)		
Kuwait	29 (3.3)	398 (8.7)	56 (3.5)	401 (5.0)	15 (2.5)	395 (12.2)		
Latvia	44 (3.9)	548 (4.2)	28 (3.8)	544 (4.7)	29 (3.8)	539 (4.0)		
Lithuania	15 (3.1)	547 (7.2)	38 (4.4)	540 (4.6)	47 (4.5)	545 (3.9)		
Macedonia, Rep. of	28 (3.7)	455 (10.4)	47 (4.7)	443 (9.0)	24 (3.9)	432 (12.3)		
Moldova, Rep. of	34 (4.4)	502 (7.1)	38 (4.4)	484 (7.1)	28 (4.5)	488 (9.2)		
Morocco	5 (2.1)	341 (38.2)	45 (4.8)	340 (12.4)	50 (5.2)	349 (11.1)		
Netherlands	9 (2.4)	549 (10.8)	9 (2.6)	543 (7.1)	82 (3.3)	555 (2.7)		
New Zealand	3 (1.5)	586 (32.6)	6 (2.4)	514 (16.1)	91 (2.8)	528 (3.9)		
Norway	17 (3.4)	497 (6.9)	19 (3.3)	508 (6.4)	64 (4.4)	496 (3.7)		
Romania	65 (3.9)	519 (6.5)	27 (3.7)	505 (7.6)	8 (2.5)	483 (11.8)		
Russian Federation	82 (2.8)	532 (4.0)	11 (2.2)	499 (15.1)	8 (1.6)	528 (9.4)		
Scotland	6 (2.6)	540 (10.4)	4 (2.0)	528 (25.2)	89 (3.3)	527 (4.2)		
Singapore	27 (3.5)	520 (10.0)	41 (3.8)	536 (8.2)	32 (3.5)	528 (9.8)		
Slovak Republic	38 (4.0)	524 (5.1)	31 (4.0)	518 (4.3)	30 (3.4)	511 (5.1)		
Slovenia	49 (4.0)	502 (2.7)	38 (4.0)	500 (3.6)	13 (2.6)	506 (7.3)		
Sweden	13 (2.6)	561 (6.1)	17 (2.4)	568 (3.7)	70 (2.9)	560 (2.6)		
Turkey	11 (2.8)	478 (14.9)	55 (4.3)	458 (4.7)	34 (4.0)	427 (5.8)		
United States	65 (4.9)	545 (5.0)	27 (4.9)	546 (5.2)	8 (1.9)	501 (11.5)		
International Avg.	31 (0.6)	506 (1.9)	31 (0.6)	498 (1.5)	38 (0.6)	495 (1.3)		

SOURCE: IEA PIRLS 2001

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		Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Argentina	s	59 (1.5)	426 (6.2)	22 (1.0)	428 (8.9)	7 (0.8)	437 (11.3)	13 (0.9)	440 (8.0)
Belize	s	42 (1.6)	344 (6.5)	31 (1.2)	332 (6.5)	15 (1.0)	308 (7.9)	12 (1.2)	305 (10.1)
Bulgaria		63 (1.5)	557 (3.4)	23 (0.8)	555 (4.6)	9 (0.8)	551 (9.2)	6 (0.9)	505 (14.9)
Canada (O,Q)	r	36 (0.8)	546 (2.8)	39 (0.9)	550 (2.9)	18 (0.7)	555 (3.3)	7 (0.4)	557 (5.0)
Colombia		51 (1.6)	421 (4.9)	27 (1.3)	426 (5.6)	12 (0.9)	436 (6.3)	10 (0.7)	434 (8.2)
Cyprus	s	57 (1.4)	487 (3.6)	25 (1.0)	501 (4.3)	12 (0.8)	495 (7.2)	6 (0.6)	505 (8.8)
Czech Republic		9 (0.7)	523 (5.5)	28 (1.2)	535 (3.7)	36 (1.1)	543 (3.0)	27 (1.1)	549 (3.9)
England	s	32 (1.4)	562 (4.6)	43 (1.5)	573 (4.5)	20 (1.2)	580 (6.6)	5 (0.7)	585 (9.9)
France		36 (1.2)	520 (2.7)	39 (1.0)	527 (3.3)	17 (0.8)	541 (3.9)	8 (0.7)	535 (5.7)
Germany		30 (0.8)	536 (2.3)	40 (0.8)	547 (2.2)	20 (0.6)	550 (2.8)	9 (0.5)	538 (3.7)
Greece		79 (1.2)	530 (3.7)	15 (1.0)	514 (6.5)	4 (0.5)	516 (7.8)	2 (0.4)	~ ~
Hong Kong, SAR		22 (0.8)	533 (3.3)	33 (0.7)	530 (3.4)	26 (0.9)	527 (3.6)	18 (0.8)	531 (4.0)
Hungary		41 (1.0)	539 (2.7)	39 (0.8)	543 (2.7)	16 (0.6)	565 (3.8)	4 (0.4)	565 (9.7)
Iceland	r	24 (0.9)	504 (2.9)	38 (0.9)	515 (2.3)	24 (0.7)	525 (3.2)	14 (0.7)	531 (3.8)
Iran, Islamic Rep. of		49 (1.4)	430 (4.4)	25 (1.0)	417 (4.8)	13 (0.9)	392 (7.2)	12 (1.1)	375 (6.8)
Israel		x x	x x	x x	x x	x x	x x	x x	x x
Italy		65 (1.0)	539 (2.5)	24 (0.9)	550 (3.5)	6 (0.4)	556 (5.9)	5 (0.4)	554 (6.8)
Kuwait	r	67 (0.7)	403 (4.7)	21 (0.6)	403 (5.9)	8 (0.5)	389 (6.9)	4 (0.3)	377 (10.8)
Latvia		40 (1.0)	542 (3.2)	37 (1.3)	550 (2.7)	15 (0.8)	550 (4.1)	9 (0.8)	553 (6.3)
Lithuania		29 (1.1)	531 (3.8)	34 (1.0)	541 (3.4)	24 (0.9)	555 (3.3)	13 (0.7)	557 (4.9)
Macedonia, Rep. of	r	79 (1.3)	453 (5.1)	16 (0.8)	444 (8.6)	4 (0.5)	425 (16.9)	2 (0.7)	~ ~
Moldova, Rep. of		44 (1.3)	498 (4.2)	35 (1.0)	496 (4.7)	14 (0.8)	484 (5.4)	7 (0.5)	466 (7.0)
Morocco		--	--	--	--	--	--	--	--
Netherlands	s	23 (0.9)	555 (4.3)	41 (1.1)	560 (2.9)	28 (1.0)	572 (3.4)	8 (0.7)	575 (4.2)
New Zealand	r	28 (1.2)	524 (5.5)	42 (1.2)	542 (3.5)	22 (1.1)	548 (5.9)	8 (0.7)	536 (7.1)
Norway		23 (0.9)	494 (4.6)	42 (1.1)	503 (3.3)	25 (1.1)	509 (4.1)	9 (0.8)	505 (7.3)
Romania		41 (1.4)	517 (5.7)	34 (1.1)	513 (5.0)	15 (0.9)	518 (9.0)	9 (1.2)	488 (13.5)
Russian Federation		57 (1.3)	525 (4.4)	25 (0.8)	534 (5.5)	11 (0.7)	532 (5.2)	7 (0.6)	529 (6.9)
Scotland	s	44 (1.7)	529 (5.3)	41 (1.6)	552 (4.1)	12 (1.0)	558 (8.3)	3 (0.3)	536 (13.5)
Singapore		29 (0.7)	532 (5.3)	33 (0.7)	529 (5.2)	22 (0.5)	531 (5.6)	16 (0.5)	529 (6.3)
Slovak Republic		39 (1.1)	509 (3.2)	37 (0.8)	525 (3.4)	16 (0.7)	531 (3.8)	8 (0.5)	530 (5.5)
Slovenia		47 (0.9)	498 (2.5)	36 (0.9)	504 (2.7)	14 (0.6)	517 (3.6)	3 (0.3)	520 (7.9)
Sweden		23 (1.1)	551 (3.3)	40 (1.0)	563 (2.6)	29 (0.8)	573 (2.5)	8 (0.5)	568 (4.0)
Turkey		52 (1.7)	464 (4.0)	27 (1.0)	442 (4.5)	12 (0.7)	435 (6.0)	9 (0.9)	422 (7.9)
United States		--	--	--	--	--	--	--	--
International Avg.		43 (0.2)	504 (0.7)	32 (0.2)	508 (0.8)	16 (0.1)	510 (1.1)	9 (0.1)	507 (1.5)

SOURCE: IEA PIRLS/2001.

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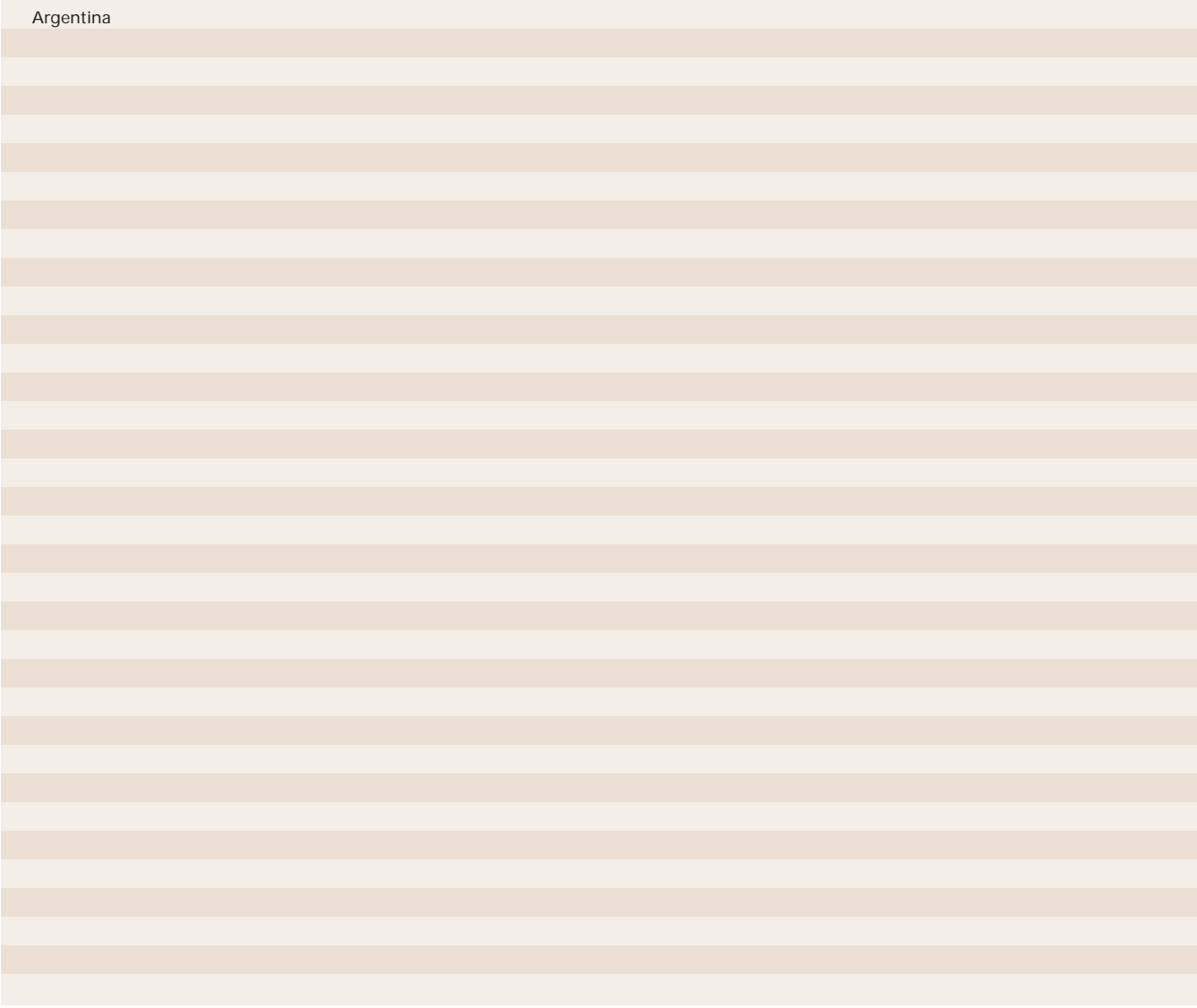
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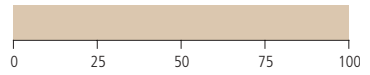
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4. $\int_0^1 \frac{1}{x^2} dx = \lim_{\epsilon \rightarrow 0^+} \int_{\epsilon}^1 \frac{1}{x^2} dx = \lim_{\epsilon \rightarrow 0^+} \left[-\frac{1}{x} \right]_{\epsilon}^1 = \lim_{\epsilon \rightarrow 0^+} \left(-1 + \frac{1}{\epsilon} \right) = \infty$.
 5. $\int_0^1 \frac{1}{\sqrt{x}} dx = \lim_{\epsilon \rightarrow 0^+} \int_{\epsilon}^1 \frac{1}{\sqrt{x}} dx = \lim_{\epsilon \rightarrow 0^+} \left[2\sqrt{x} \right]_{\epsilon}^1 = \lim_{\epsilon \rightarrow 0^+} \left(2 - 2\sqrt{\epsilon} \right) = 2$.
 6. $\int_0^1 \frac{1}{x} dx = \lim_{\epsilon \rightarrow 0^+} \int_{\epsilon}^1 \frac{1}{x} dx = \lim_{\epsilon \rightarrow 0^+} \left[\ln x \right]_{\epsilon}^1 = \lim_{\epsilon \rightarrow 0^+} \left(0 - \ln \epsilon \right) = \infty$.
 7. $\int_0^1 \frac{1}{x^3} dx = \lim_{\epsilon \rightarrow 0^+} \int_{\epsilon}^1 \frac{1}{x^3} dx = \lim_{\epsilon \rightarrow 0^+} \left[-\frac{1}{2x^2} \right]_{\epsilon}^1 = \lim_{\epsilon \rightarrow 0^+} \left(-\frac{1}{2} + \frac{1}{2\epsilon^2} \right) = \infty$.



Argentina





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New Zealand	85 (3.2)	535 (4.1)	15 (3.2)	501 (11.1)	0 (0.0)	~ ~	
Netherlands	82 (3.9)	555 (2.6)	17 (3.8)	546 (8.3)	1 (0.0)	~ ~	
Iceland	r 81 (0.3)	513 (1.5)	18 (0.3)	505 (3.1)	2 (0.0)	~ ~	
United States	77 (3.6)	550 (4.8)	22 (3.5)	524 (5.7)	1 (0.4)	~ ~	
Scotland	77 (4.2)	523 (4.3)	23 (4.2)	542 (7.8)	0 (0.0)	~ ~	
Sweden	77 (3.7)	560 (2.9)	18 (3.3)	565 (3.6)	6 (2.1)	564 (9.4)	
Singapore	72 (3.4)	527 (6.3)	18 (2.9)	531 (11.1)	10 (2.7)	515 (26.7)	
France	72 (4.8)	527 (3.3)	27 (4.9)	526 (5.6)	1 (0.0)	~ ~	
Canada (O,Q)	69 (3.4)	546 (2.9)	28 (3.3)	539 (3.5)	3 (1.4)	571 (15.5)	
Germany	68 (3.2)	540 (2.6)	32 (3.2)	538 (3.5)	0 (0.0)	~ ~	
Czech Republic	67 (3.8)	540 (3.4)	30 (3.8)	533 (3.5)	3 (1.5)	520 (16.8)	
Norway	67 (4.8)	501 (3.0)	29 (4.7)	499 (7.9)	4 (1.4)	478 (11.3)	
Slovenia	r 64 (4.7)	501 (3.2)	36 (4.6)	504 (3.2)	1 (0.0)	~ ~	
Hungary	63 (3.7)	547 (2.7)	28 (3.1)	539 (5.2)	9 (2.4)	542 (13.1)	
Morocco	r 61 (5.1)	337 (9.9)	25 (5.3)	332 (22.2)	14 (4.5)	439 (41.3)	
Latvia	51 (4.0)	545 (3.7)	41 (4.4)	545 (3.4)	8 (2.2)	540 (8.5)	
Macedonia, Rep. of	41 (4.4)	428 (7.1)	49 (4.4)	446 (9.8)	10 (2.5)	464 (18.2)	
Italy	72	30					14 s...7(564T0 1 eS30.8((3.7))-25292tTD2.3932 TTJ/F10 1 Tf-130[gr

SOURCE: IEA P (PIRLS) 2001.

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		PIRLS 2001									
		Country 1		Country 2		Country 3		Country 4		Country 5	
		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
Argentina	r	17 (4.0)	460 (16.8)	22 (4.8)	448 (11.8)	7 (2.3)	417 (29.0)	17 (3.2)	413 (16.3)	37 (4.9)	391 (11.8)
Belize	s	4 (2.1)	387 (12.7)	1 (0.6)	~ ~	13 (6.6)	399 (29.4)	4 (2.3)	295 (19.4)	79 (6.9)	317 (9.5)
Bulgaria	r	6 (2.0)	549 (12.5)	11 (3.0)	562 (9.2)	13 (2.9)	578 (7.4)	10 (2.8)	564 (11.2)	61 (4.7)	536 (7.4)
Canada (O,Q)	r	76 (3.2)	544 (3.2)	15 (2.4)	549 (5.1)	7 (2.1)	548 (6.5)	2 (1.2)	~ ~	0 (0.3)	~ ~
Colombia	s	22 (4.5)	464 (14.8)	20 (4.8)	445 (10.4)	9 (3.7)	469 (9.2)	5 (2.2)	428 (11.9)	45 (5.3)	403 (6.1)
Cyprus	s	5 (2.5)	520 (11.6)	27 (6.2)	493 (7.3)	10 (3.6)	506 (5.5)	8 (3.4)	501 (14.7)	50 (5.8)	493 (4.2)
Czech Republic		33 (3.9)	529 (4.4)	38 (4.2)	543 (3.4)	6 (2.4)	532 (17.4)	3 (1.6)	542 (5.1)	20 (3.4)	542 (6.9)
England		59 (4.7)	559 (5.1)	24 (3.8)	553 (5.0)	13 (3.6)	551 (9.7)	5 (2.0)	541 (11.1)	0 (0.0)	~ ~
France		30 (4.2)	520 (5.7)	30 (4.5)	531 (4.7)	12 (3.8)	544 (7.5)	14 (3.6)	518 (6.5)	14 (3.5)	537 (5.5)
Germany		12 (2.8)	544 (7.0)	23 (3.6)	542 (2.9)	17 (3.5)	540 (6.5)	29 (3.4)	537 (4.6)	19 (3.2)	538 (5.1)
Greece	s	17 (4.6)	544 (15.4)	6 (1.7)	567 (14.6)	3 17	504 (16.2)	6 (2.5)	535 (10.6)	68 (5.3)	513 (4.3)
Hong Kong, SAR		55 (4.6)	534 (4.1)	31 (4.0)	525 (5.0)	2 (1.2)	~ ~	4 (1.6)	508 (8.0)	9 (2.6)	517 (11.7)
Hungary		32 (3.7)	543 (4.1)	23 (3.4)	548 (5.4)	2 (1.1)	~ ~	3 (1.4)	564 (16.4)	41 (3.9)	541 (4.5)
Iceland	r	77 (0.3)	512 (1.6)	9 (0.2)	518 (3.9)	5 (0.1)	498 (6.0)	4 (0.1)	512 (6.9)	5 (0.2)	519 (4.7)
Iran, Islamic Rep. of		0 (0.0)	~ ~	0 (0.1)	~ ~	0 (0.0)	~ ~	2 (1.2)	~ ~	98 (1.2)	412 (4.3)
Israel	r	59 (5.1)	522 (6.5)	27 (4.4)	503 (9.5)	7 (2.8)	499 (28.9)	0 (0.0)	~ ~	7 (2.6)	506 (23.6)
Italy		13 (2.2)	556 (6.2)	31 (3.4)	541 (4.2)	28 (3.2)	541 (5.0)	20 (2.8)	539 (5.2)	8 (1.5)	517 (8.2)
Kuwait		x x	x x	x x	x x	x x	x x	x x	x x	x x	x x
Latvia	r	19 (3.0)	548 (6.9)	20 (4.1)	547 (5.1)	7 (2.6)	538 (15.0)	3 (1.5)	558 (15.3)	51 (4.1)	543 (3.3)
Lithuania	r	24 (4.0)	538 (6.8)	29 (4.2)	539 (4.3)	13 (3.3)	555 (8.7)	6 (2.3)	540 (5.3)	27 (4.4)	543 (6.8)
Macedonia, Rep. of	s	0 (0.0)	~ ~	2 (1.5)	~ ~	0 (0.0)	~ ~	5 (2.3)	446 (31.7)	92 (2.7)	443 (6.9)
Moldova, Rep. of	s	3 (1.9)	506 (10.5)	15 (4.3)	499 (12.0)	6 (2.5)	480 (17.1)	1 (0.1)	~ ~	75 (5.2)	490 (6.9)
Morocco		x x	x x	x x	x x	x x	x x	x x	x x	x x	x x
Netherlands	r	39 (4.9)	555 (3.3)	38 (5.4)	553 (5.7)	20 (4.2)	550 (5.4)	3 (2.0)	572 (15.3)	0 (0.0)	~ ~
New Zealand	r	40 (4.6)	526 (6.4)	38 (4.3)	528 (7.5)	20 (3.8)	548 (7.7)	1 (1.0)	~ ~	0 (0.0)	~ ~
Norway		58 (5.2)	498 (3.9)	20 (4.3)	501 (6.3)	14 (3.6)	513 (9.0)	4 (2.1)	491 (15.1)	3 (1.7)	489 (7.9)
Romania	r	5 (2.2)	535 (33.6)	14 (3.9)	523 (14.1)	16 (3.4)	507 (9.7)	15 (3.5)	523 (10.2)	50 (4.5)	509 (7.5)
Russian Federation		4 (2.3)	558 (9.5)	5 (1.5)	534 (6.5)	1 (0.8)	~ ~	0 (0.0)	~ ~	91 (2.6)	525 (5.1)
Scotland	r	42 (5.1)	530 (6.7)	19 (4.0)	537 (9.6)	25 (4.6)	518 (8.9)	14 (3.1)	520 (6.0)	0 (0.0)	~ ~
Singapore		68 (4.6)	530 (6.1)	25 (4.1)	528 (12.1)	5 (2.1)	544 (26.9)	2 (1.2)	~ ~	0 (0.0)	~ ~
Slovak Republic	r	2 (1.1)	~ ~	17 (3.7)	522 (8.1)	11 (3.1)	525 (7.7)	4 (1.6)	494 (20.0)	66 (4.3)	516 (4.1)
Slovenia		42 (3.7)	493 (3.5)	38 (4.1)	509 (3.9)	2 (1.1)	~ ~	4 (1.6)	493 (7.4)	14 (2.9)	508 (4.2)
Sweden		31 (4.3)	563 (4.7)	35 (4.7)	562 (4.8)	29 (4.6)	559 (3.7)	5 (2.2)	567 (6.1)	0 (0.0)	~ ~
Turkey	s	9 (2.9)	484 (12.1)	21 (4.5)	467 (12.0)	5 (2.5)	499 (36.4)	6 (2.6)	450 (16.4)	58 (5.0)	439 (5.4)
United States		64 (3.7)	554 (4.8)	21 (3.0)	519 (6.2)	11 (2.6)	535 (8.7)	4 (1.5)	523 (19.1)	0 (0.0)	~ ~
International Avg.		29 (0.6)	523 (1.8)	21 (0.7)	525 (2.5)	10 (0.5)	518 (2.7)	6 (0.4)	507 (2.6)	33 (0.6)	491 (1.6)

SOURCE: IEA PIRLS 2001

Ba... n...
 *... n...
 () Sa... n...
 A... 70-84% n...
 A... 50-69% n...
 A... 50% n...

Argentina	r	6 (0.7)	r	8 (3.3)	r	0 (0.0)	r	20 (5.1)	r	72 (4.9)
Belize	s	2 (0.8)		x x		x x		x x		x x
Bulgaria	r	3 (0.5)	s	20 (5.4)	s	7 (3.6)	s	1 (1.0)	s	72 (6.0)
Canada (O,Q)		22 (0.9)		67 (3.0)		21 (2.7)		10 (2.2)		3 (1.0)
Colombia	s	8 (0.9)	s	14 (4.9)	s	4 (2.5)	s	21 (5.4)	s	60 (6.7)
Cyprus	s	3 (0.8)	s	36 (8.8)	s	13 (6.8)	s	24 (7.2)	s	26 (5.9)
Czech Republic		9 (0.5)		39 (4.9)		8 (2.7)		17 (4.4)		36 (4.8)
England		14 (0.8)		40 (4.5)		33 (4.5)		14 (3.6)		12 (2.8)
France		6 (0.5)		23 (3.7)		3 (0.4)		29 (4.9)		45 (5.4)
Germany		6 (0.5)		16 (3.1)		5 (1.9)		27 (3.7)		52 (4.4)
Greece	s	3 (0.4)		x x		x x		x x		x x
Hong Kong, SAR		33 (2.4)		91 (2.6)		3 (1.4)		3 (1.5)		3 (2.6)
Hungary		9 (0.7)		25 (4.9)		16 (3.7)		21 (4.4)		38 (5.6)
Iceland	r	16 (0.1)	r	80 (0.4)	r	18 (0.4)	r	1 (0.1)	r	1 (0.1)
Iran, Islamic Rep. of		0 (0.0)	r	0 (0.0)	r	0 (0.0)	r	4 (3.8)	r	96 (3.8)
Israel	r	21 (1.5)	r	33 (4.6)	r	11 (3.1)	r	19 (3.8)	r	36 (5.1)
Italy		11 (0.7)		18 (3.1)		12 (2.6)		41 (3.9)		29 (3.7)
Kuwait		x x	r	0 (0.0)	r	2 (0.1)	r	4 (2.8)	r	94 (2.8)
Latvia	r	6 (0.6)	r	36 (6.9)	r	5 (2.6)	r	20 (5.2)	r	39 (6.2)
Lithuania		8 (0.7)	r	17 (4.0)	r	8 (2.9)	r	51 (4.9)	r	23 (4.4)
Macedonia, Rep. of	s	0 (0.2)	r	3 (2.5)	r	2 (0.4)	r	9 (5.1)	r	86 (6.0)
Moldova, Rep. of	s	3 (0.6)	s	0 (0.0)	s	0 (0.0)	s	2 (0.3)	s	98 (2.0)
Morocco		x x		x x		x x		x x		x x
Netherlands		9 (0.8)		17 (4.0)		7 (2.4)		25 (4.4)		51 (5.0)
New Zealand		11 (0.7)		59 (4.6)		15 (3.2)		18 (3.4)		8 (2.3)
Norway		10 (0.6)		36 (5.3)		28 (4.6)		20 (4.1)		16 (4.0)
Romania	r	4 (0.5)	r	11 (4.3)	r	5 (2.6)	r	11 (5.4)	r	73 (6.2)
Russian Federation		1 (0.4)		8 (4.0)		0 (0.0)		17 (6.5)		75 (8.4)
Scotland	r	9 (0.7)		24 (4.2)		18 (3.8)		16 (3.1)		42 (4.9)
Singapore		83 (3.1)		59 (3.4)		20 (2.8)		15 (2.9)		6 (1.8)
Slovak Republic	r	2 (0.3)	s	1 (0.1)	s	2 (1.8)	s	17 (6.1)	s	80 (6.3)
Slovenia		10 (0.4)		75 (4.0)		8 (2.6)		11 (2.8)		7 (2.4)
Sweden		9 (0.7)		53 (4.6)		25 (4.3)		17 (3.3)		4 (1.8)
Turkey	s	9 (1.4)	s	47 (9.1)	s	2 (2.0)	s	11 (4.5)	s	40 (8.0)
United States		27 (1.5)		56 (4.3)		22 (3.8)		16 (2.9)		6 (1.6)
International Avg.		11 (0.2)		32 (0.8)		10 (0.5)		17 (0.7)		42 (0.8)