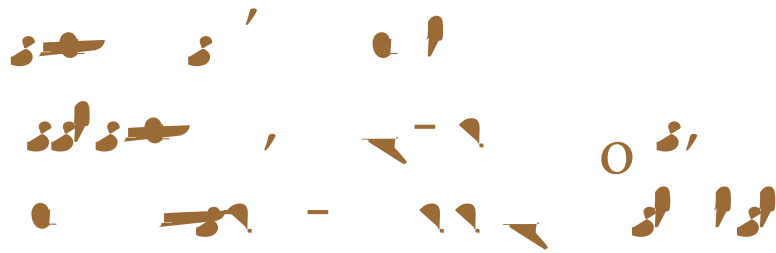


PIRLS

Chapter 8



Chapter 8



Literacy activities at home and in school encourage and reinforce students' positive reading attitudes. The reading curriculum in most countries emphasizes students' positive attitudes toward reading as a major objective. Students who enjoy reading usually read more frequently, thus broadening their knowledge of text situations, expanding their literary experiences, and improving their comprehension skills.

What Are Students' Attitudes Toward Reading?



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Student attitudes toward reading were generally positive.

What Are Students' Perceptions of Their Reading Ability?

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Exhibit 8.1: Index of Students' Attitudes Toward Reading (SATR)

Countries	High SATR		Medium SATR		Low SATR		Percentage of Students at High Level of SATR
	Percent of Students	Average Achievement					
Iran, Islamic Rep. of	71 (1.9)	432 (4.0)	27 (1.8)	375 (4.7)	3 (0.3)	344 (14.5)	
Moldova, Rep. of	65 (1.9)	506 (4.3)	33 (1.9)	470 (4.7)	2 (0.3)		
Macedonia, Rep. of	62 (1.5)	480 (4.0)	37 (1.5)	395 (5.7)	1 (0.2)		
Greece	61 (1.7)	536 (3.8)	33 (1.4)	509 (4.9)	6 (0.6)	507 (9.3)	
Romania	60 (1.7)	539 (4.5)	38 (1.7)	476 (6.2)	1 (0.2)		
Bulgaria	60 (1.6)	573 (3.3)	36 (1.4)	524 (4.8)	4 (0.5)	510 (10.8)	
Turkey	59 (1.5)	478 (3.3)	40 (1.4)	410 (4.6)	1 (0.2)		
Slovenia	59 (1.4)	523 (2.4)	35 (1.3)	475 (3.4)	6 (0.6)	469 (6.9)	
France	58 (1.1)	548 (2.4)	39 (1.2)	499 (3.3)	3 (0.3)	480 (5.9)	
Cyprus	57 (1.3)	513 (3.5)	37 (1.0)	471 (3.6)	7 (0.7)	486 (7.0)	
Italy	56 (1.3)	555 (2.5)	38 (1.2)	524 (3.2)	6 (0.5)	523 (5.0)	
Russian Federation	54 (1.8)	544 (3.8)	42 (1.7)	510 (6.0)	4 (0.4)	519 (6.0)	
Canada (O,Q)	54 (1.0)	566 (2.4)	38 (1.0)	523 (2.6)	8 (0.4)	511 (4.7)	
Sweden	54 (1.1)	581 (2.1)	39 (0.9)	542 (2.6)	7 (0.6)	520 (4.6)	
Singapore	54 (1.3)	561 (4.6)	42 (1.2)	490 (5.8)	5 (0.3)	506 (7.2)	
New Zealand	51 (1.3)	560 (4.2)	41 (1.3)	499 (4.4)	8 (0.8)	507 (6.9)	
Germany	50 (0.9)	563 (1.8)	40 (0.7)	520 (2.5)	10 (0.5)	510 (2.2)	
Hungary	50 (1.2)	565 (2.7)	40 (1.0)	525 (2.4)	10 (0.8)	522 (4.2)	
Hong Kong, SAR	49 (1.2)	545 (2.7)	46 (1.1)	513 (3.5)	5 (0.3)	510 (6.9)	
Kuwait	49 (1.2)	419 (4.6)	47 (1.2)	385 (5.2)	4 (0.4)	371 (14.5)	
Iceland	49 (1.0)	538 (1.9)	45 (1.0)	495 (1.9)	6 (0.4)	471 (4.3)	
Morocco	48 (2.2)	383 (12.7)	49 (2.2)	323 (10.2)	3 (1.0)	319 (19.7)	
Scotland	47 (1.3)	554 (3.9)	42 (1.1)	510 (4.3)	11 (0.9)	498 (5.6)	
Colombia	47 (1.6)	445 (5.1)	50 (1.5)	405 (5.0)	3 (0.3)	433 (8.3)	
Lithuania	46 (1.5)	560 (2.5)	48 (1.4)	531 (3.1)	6 (0.6)	524 (5.8)	
Israel	44 (1.4)	534 (3.1)	48 (1.2)	488 (3.9)	8 (0.6)	508 (6.0)	
England	44 (1.4)	584 (3.9)	43 (1.2)	531 (3.8)	13 (0.9)	521 (5.2)	
Norway	44 (1.2)	529 (3.4)	47 (1.5)	481 (3.4)	9 (0.6)	460 (6.7)	
Slovak Republic	44 (1.5)	540 (3.0)	50 (1.3)	504 (3.4)	6 (0.6)	495 (5.7)	
Netherlands	43 (1.3)	575 (2.4)	42 (1.0)	543 (2.8)	15 (0.8)	528 (3.6)	
Argentina	43 (1.3)	453 (6.4)	52 (1.1)	417 (5.7)	4 (0.5)	424 (11.6)	
Latvia	43 (1.6)	566 (2.6)	49 (1.5)	530 (2.6)	8 (0.6)	528 (3.7)	
United States	42 (1.1)	565 (3.7)	44 (0.9)	528 (4.4)	13 (0.9)	513 (5.1)	
Czech Republic	40 (1.2)	561 (3.2)	52 (1.2)	525 (2.7)	7 (0.6)	500 (3.7)	
Belize	33 (1.4)	372 (6.9)	62 (1.4)	310 (5.2)	5 (0.6)	311 (9.3)	
International Avg.	51 (0.2)	524 (0.7)	43 (0.2)	479 (0.7)	6 (0.1)	478 (1.6)	

Exhibit 8.2: Index of Students' Attitudes Toward Reading (SATR) by Gender

Country	Male	Female	Male	Female	Male	Female	Male	Female
Argentina	38 (1.6)	36 (1.5)	48 (1.5)	57 (1.7)	40 (0.3)	37 (0.4)	7 (1.0)	6 (0.8)
Belize	36 (1.8)	29 (1.7)	60 (2.2)	51 (1.7)	4 (0.8)	3 (0.4)	6 (0.8)	6 (0.8)
Bulgaria	41 (1.6)	49 (2.0)	28 (1.5)	45 (1.5)	2 (0.4)	2 (0.4)	6 (0.8)	6 (0.8)
Canada (O, O)	40 (1.3)	41 (1.2)	44 (1.2)	44 (1.2)	13 (0.7)	13 (0.7)	13 (0.7)	13 (0.7)
Colombia	41 (1.7)	42 (2.2)	46 (1.6)	55 (2.1)	2 (0.4)	2 (0.4)	2 (0.4)	2 (0.4)
Cyprus	39 (1.8)	45 (1.9)	28 (1.7)	35 (1.5)	2 (0.5)	2 (0.5)	10 (1.1)	10 (1.1)
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Exhibit 8.3: Index of Students' Reading Self Concept (SRSC)

Country	Sample size		Available for analysis		Items indicated		Data
	N	%	N	%	N	%	
Italy	56 (1.2)	558 (2.3)	41 (1.1)	523 (3.3)	4 (0.4)	498 (6.2)	
Sweden	54 (0.8)	581 (2.2)	43 (0.8)	541 (2.7)	2 (0.2)		
Bulgaria	52 (1.4)	583 (3.3)	44 (1.3)	524 (4.4)	4 (0.4)	500 (9.4)	
Slovenia	52 (1.1)	528 (2.1)	45 (1.1)	478 (2.8)	3 (0.3)	438 (11.2)	
Cyprus	51 (0.8)	521 (3.6)	45 (0.8)	471 (3.0)	3 (0.4)	444 (10.7)	
Israel	51 (1.0)	535 (2.7)	46 (0.9)	486 (3.5)	3 (0.3)	458 (10.1)	
Greece	49 (1.0)	544 (3.7)	48 (1.1)	510 (3.8)	3 (0.3)	478 (14.1)	
Norway	49 (1.1)	531 (3.3)	47 (1.1)	477 (3.6)	4 (0.4)	412 (8.7)	
Netherlands	48 (0.9)	568 (2.8)	47 (0.9)	546 (2.5)	5 (0.4)	508 (5.4)	
Iceland	48 (0.8)	536 (1.8)	49 (0.8)	497 (1.9)	3 (0.3)	452 (8.4)	
Hungary	47 (1.0)	572 (2.2)	46 (1.1)	524 (2.4)	7 (0.5)	486 (5.0)	
Kuwait	46 (0.9)	424 (4.0)	50 (0.9)	382 (4.9)	4 (0.4)	364 (10.1)	
United States	46 (1.3)	569 (3.7)	47 (1.1)	525 (4.5)	7 (0.6)	490 (7.0)	
Canada (O,Q)	46 (0.8)	570 (2.5)	49 (0.7)	528 (2.7)	5 (0.3)	490 (5.3)	
Macedonia, Rep. of	45 (1.3)	490 (3.9)	53 (1.3)	413 (5.1)	2 (0.3)		
Germany	43 (0.8)	564 (2.4)	50 (0.8)	526 (2.0)	6 (0.3)	494 (4.0)	
Romania	42 (1.5)	545 (5.1)	54 (1.4)	493 (4.9)	4 (0.7)	452 (12.7)	
Turkey	40 (1.3)	484 (4.0)	58 (1.3)	429 (3.7)	3 (0.3)	393 (13.6)	
Slovak Republic	37 (1.2)	544 (3.0)	56 (1.2)	506 (3.1)	6 (0.5)	481 (6.5)	
Russian Federation	36 (1.2)	552 (3.7)	57 (1.0)	518 (4.5)	7 (0.7)	494 (12.5)	
Scotland	36 (1.4)	560 (4.0)	57 (1.3)	515 (4.2)	8 (0.6)	486 (5.7)	
Singapore	35 (0.9)	556 (4.7)	59 (0.8)	516 (5.4)	5 (0.3)	487 (6.6)	
Moldova, Rep. of	34 (1.8)	523 (5.5)	60 (1.8)	479 (3.7)	6 (0.6)	465 (7.2)	
Czech Republic	33 (1.0)	560 (3.4)	60 (1.0)	530 (2.5)	6 (0.5)	496 (5.1)	
England	33 (0.9)	588 (3.6)	58 (1.0)	542 (3.8)	9 (0.5)	493 (6.6)	
Lithuania	32 (1.0)	572 (3.5)	60 (1.1)	533 (2.7)	8 (0.6)	514 (5.3)	
New Zealand	32 (0.9)	572 (3.9)	61 (1.0)	514 (4.3)	7 (0.5)	483 (8.5)	
Iran, Islamic Rep. of	31 (1.7)	452 (4.7)	66 (1.6)	399 (3.8)	3 (0.3)	361 (12.2)	
Morocco	31 (1.8)	386 (13.9)	65 (1.8)	336 (8.8)	4 (0.7)	350 (24.4)	
Latvia	28 (1.1)	579 (2.7)	60 (1.1)	535 (2.5)	11 (0.7)	517 (3.9)	
France	28 (0.9)	549 (3.0)	66 (0.9)	521 (2.6)	6 (0.4)	486 (6.0)	
Argentina	26 (1.2)	473 (6.5)	69 (1.2)	420 (5.2)	5 (0.5)	396 (12.8)	
Colombia	23 (1.1)	467 (6.2)	72 (1.1)	411 (4.3)	4 (0.5)	412 (9.8)	
Belize	23 (1.2)	380 (7.4)	69 (1.3)	317 (5.0)	8 (0.6)	296 (10.2)	
Hong Kong, SAR	23 (0.8)	549 (3.7)	69 (0.8)	525 (3.2)	9 (0.5)	509 (4.3)	
International Avg.	40 (0.2)	530 (0.7)	55 (0.2)	485 (0.7)	5 (0.1)	457 (1.6)	

Exhibit 8.4: Index of Students' Reading Self Concept (SRSC) by Gender



How Often Do Students Engage in Literacy Activities Outside of School?

Figure 8.1 shows the percentage of students who engage in literacy activities outside of school. The data is presented in a table with columns for the activity and rows for the frequency of engagement. The activities are: Reading a book, Watching a video, Listening to a podcast, and Visiting a museum. The frequencies are: Daily, Weekly, Monthly, and Never.

Activity	Daily	Weekly	Monthly	Never
Reading a book	15%	35%	40%	10%
Watching a video	25%	45%	20%	10%
Listening to a podcast	10%	30%	50%	10%
Visiting a museum	5%	15%	60%	20%

Figure 8.2 shows the percentage of students who engage in literacy activities outside of school. The data is presented in a table with columns for the activity and rows for the frequency of engagement. The activities are: Reading a book, Watching a video, Listening to a podcast, and Visiting a museum. The frequencies are: Daily, Weekly, Monthly, and Never.

Activity	Daily	Weekly	Monthly	Never
Reading a book	15%	35%	40%	10%
Watching a video	25%	45%	20%	10%
Listening to a podcast	10%	30%	50%	10%
Visiting a museum	5%	15%	60%	20%

Figure 8.3 shows the percentage of students who engage in literacy activities outside of school. The data is presented in a table with columns for the activity and rows for the frequency of engagement. The activities are: Reading a book, Watching a video, Listening to a podcast, and Visiting a museum. The frequencies are: Daily, Weekly, Monthly, and Never.

Activity	Daily	Weekly	Monthly	Never
Reading a book	15%	35%	40%	10%
Watching a video	25%	45%	20%	10%
Listening to a podcast	10%	30%	50%	10%
Visiting a museum	5%	15%	60%	20%

Figure 8.4 shows the percentage of students who engage in literacy activities outside of school. The data is presented in a table with columns for the activity and rows for the frequency of engagement. The activities are: Reading a book, Watching a video, Listening to a podcast, and Visiting a museum. The frequencies are: Daily, Weekly, Monthly, and Never.

Activity	Daily	Weekly	Monthly	Never
Reading a book	15%	35%	40%	10%
Watching a video	25%	45%	20%	10%
Listening to a podcast	10%	30%	50%	10%
Visiting a museum	5%	15%	60%	20%

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Exhibit 8.5: Students Read for Fun Outside of School

ISC 4th Grade
PIRLS 2001

Countries	Every Day or Almost Every Day		Once or Twice a Week		Once or Twice a Month		Never or Almost Never	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Argentina	37 (1.1)	424 (6.9)	24 (1.1)	436 (6.0)	12 (0.8)	418 (10.2)	28 (1.2)	428 (6.6)
Belize	31 (1.2)	336 (6.9)	26 (0.9)	327 (6.5)	13 (0.9)	311 (8.3)	30 (1.3)	332 (7.0)
Bulgaria	51 (1.6)	570 (3.8)	28 (1.0)	551 (3.9)	11 (1.0)	529 (9.4)	10 (1.0)	497 (8.4)
Canada (O,Q)	39 (1.1)	571 (2.9)	23 (0.7)	543 (2.7)	12 (0.5)	527 (3.0)	25 (0.9)	513 (2.6)
Colombia	49 (1.8)	415 (4.9)	26 (1.0)	438 (5.4)	10 (0.6)	435 (8.2)	15 (1.0)	427 (7.2)
Cyprus	46 (1.1)	503 (3.6)	31 (1.0)	500 (3.9)	12 (0.9)	481 (6.5)	12 (0.9)	472 (5.8)
Czech Republic	38 (1.3)	555 (3.1)	33 (1.2)	540 (2.2)	12 (0.8)	524 (3.9)	17 (0.9)	504 (4.2)
England	33 (1.3)	583 (4.1)	26 (0.9)	554 (4.8)	14 (0.9)	555 (4.3)	27 (1.3)	516 (4.4)
France	50 (1.2)	548 (2.7)	26 (0.9)	517 (3.6)	9 (0.6)	506 (4.8)	15 (0.8)	483 (3.9)
Germany	48 (0.8)	555 (2.2)	24 (0.7)	535 (2.4)	11 (0.4)	525 (3.2)	18 (0.8)	517 (3.2)
Greece	46 (1.5)	533 (4.3)	34 (1.2)	524 (4.7)	14 (0.8)	516 (5.2)	6 (0.5)	491 (10.3)
Hong Kong, SAR	21 (0.8)	539 (3.3)	38 (0.8)	532 (3.4)	26 (0.7)	525 (3.4)	14 (0.6)	511 (4.2)
Hungary	40 (1.2)	558 (3.1)	33 (1.0)	536 (2.9)	16 (0.8)	543 (2.9)	11 (0.6)	521 (2.9)
Iceland	52 (0.8)	533 (1.9)	22 (0.7)	508 (2.5)	9 (0.5)	489 (4.9)	18 (0.6)	479 (2.7)
Iran, Islamic Rep. of	35 (1.2)	415 (4.8)	39 (1.5)	423 (5.4)	12 (0.6)	408 (5.6)	14 (1.1)	396 (4.8)
Israel	44 (1.1)	528 (3.6)	27 (0.8)	511 (4.2)	13 (0.7)	497 (6.4)	17 (0.8)	484 (4.3)
Italy	31 (1.1)	561 (3.2)	24 (0.8)	546 (3.1)	10 (0.6)	537 (5.1)	35 (1.0)	521 (3.0)
Kuwait	33 (0.8)	413 (4.9)	37 (1.0)	403 (4.6)	17 (0.7)	394 (5.4)	13 (0.6)	373 (7.5)
Latvia	44 (1.3)	561 (2.8)	33 (0.9)	539 (3.1)	10 (0.7)	540 (4.7)	13 (0.9)	515 (3.6)
Lithuania	53 (1.5)	553 (2.9)	31 (1.3)	540 (3.6)	10 (0.7)	524 (4.8)	6 (0.6)	520 (7.4)
Macedonia, Rep. of	47 (1.5)	457 (5.1)	28 (1.0)	448 (5.3)	12 (1.3)	420 (11.2)	13 (0.9)	440 (8.0)
Moldova, Rep. of	50 (2.2)	501 (4.3)	33 (1.5)	490 (4.7)	10 (0.8)	484 (8.0)	7 (0.8)	467 (8.2)
Morocco	32 (1.9)	337 (9.8)	37 (1.5)	353 (9.4)	17 (1.3)	362 (14.8)	14 (2.3)	385 (15.3)
Netherlands	37 (1.2)	577 (2.7)	20 (0.8)	558 (3.5)	10 (0.6)	547 (3.5)	34 (1.1)	531 (3.0)
New Zealand	43 (1.4)	563 (4.3)	23 (0.9)	523 (4.8)	13 (0.7)	513 (7.6)	20 (1.1)	482 (4.8)
Norway	39 (1.1)	527 (4.0)	28 (0.9)	497 (3.6)	12 (0.6)	490 (5.7)	22 (1.0)	462 (4.3)
Romania	28 (1.8)	514 (7.0)	30 (1.2)	515 (5.3)	16 (1.2)	521 (8.4)	27 (1.8)	508 (5.7)
Russian Federation	59 (1.3)	533 (4.1)	29 (1.1)	527 (5.9)	6 (0.5)	509 (7.2)	6 (0.8)	512 (5.3)
Scotland	31 (1.1)	558 (4.3)	23 (0.9)	533 (5.0)	11 (0.5)	532 (6.0)	35 (1.6)	500 (4.0)
Singapore	30 (1.2)	561 (6.6)	23 (0.6)	531 (5.2)	14 (0.4)	517 (6.1)	33 (1.1)	505 (4.3)
Slovak Republic	40 (1.2)	529 (3.9)	33 (0.9)	522 (3.0)	14 (0.8)	516 (4.4)	13 (0.8)	485 (4.4)
Slovenia	45 (1.3)	518 (2.4)	29 (0.9)	497 (3.1)	12 (0.7)	492 (4.3)	14 (0.9)	473 (4.7)
Sweden	44 (0.8)	579 (2.7)	32 (0.8)	556 (3.0)	13 (0.6)	547 (3.2)	11 (0.7)	523 (3.5)
Turkey	38 (1.1)	459 (4.3)	36 (1.0)	449 (4.8)	13 (0.6)	438 (4.8)	13 (0.7)	439 (5.2)
United States	35 (1.2)	564 (3.8)	22 (1.0)	553 (4.9)	12 (0.7)	541 (6.3)	32 (1.0)	515 (5.0)
International Avg.	40 (0.2)	515 (0.8)	29 (0.2)	502 (0.8)	12 (0.1)	492 (1.1)	18 (0.2)	478 (1.0)

PIRLS 2001. SOURCE: IEA PIRLS

B... A... 70-84%... 50-69%... A... 50%...

Exhibit 8.6: Students Read Stories or Novels Outside of School

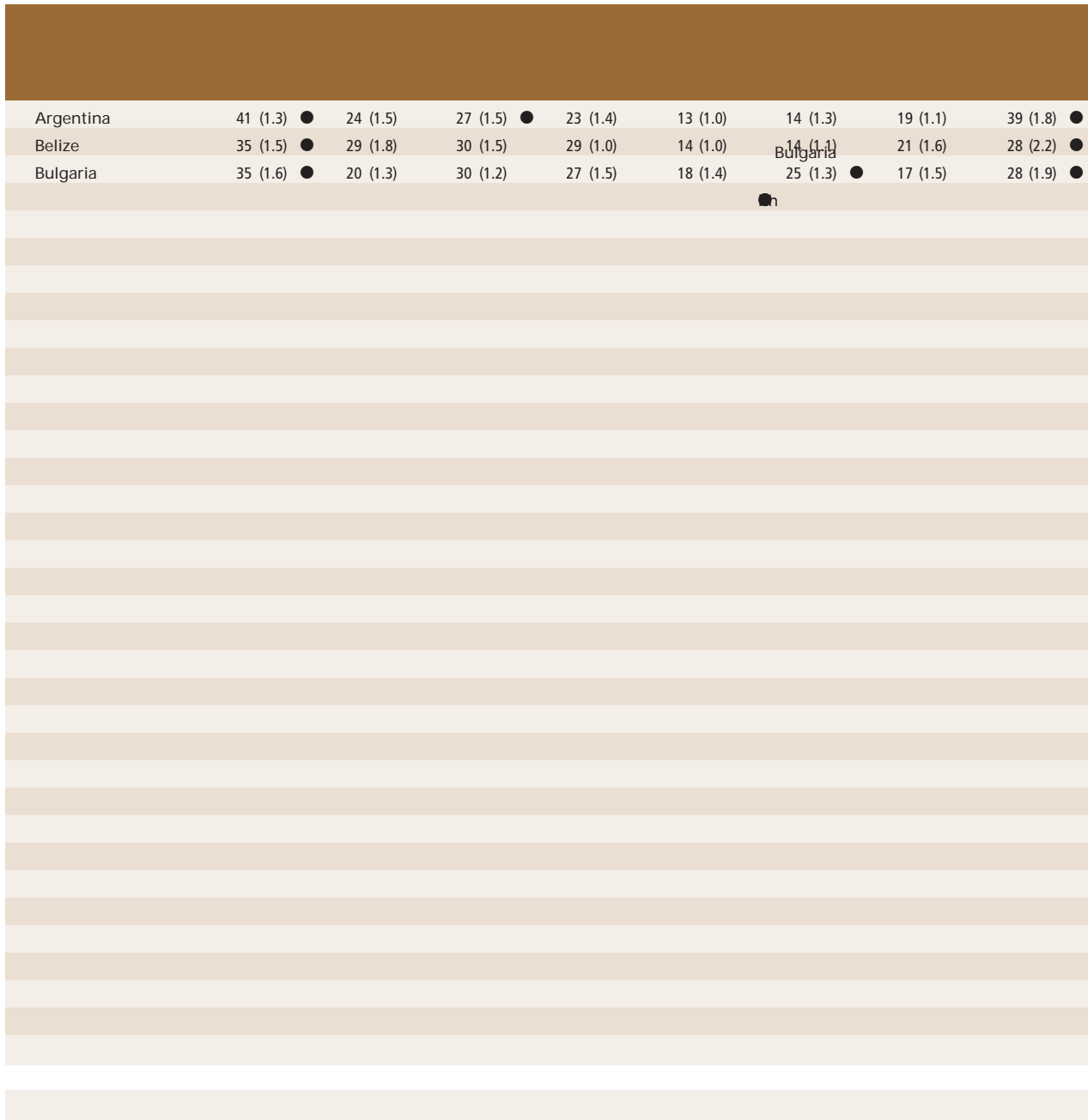
ISC 4th Grade
PIRLS 2001

Countries	Every Day or Almost Every Day		Once or Twice a Week		Once or Twice a Month		Never or Almost Never	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Argentina	33 (1.1)	417 (7.4)	25 (1.1)	432 (7.8)	13 (0.8)	430 (10.0)	29 (1.3)	434 (6.3)
Belize	32 (1.4)	342 (6.1)	30 (0.9)	334 (7.1)	14 (0.7)	317 (6.9)	25 (1.6)	315 (7.3)
Bulgaria	28 (1.2)	571 (5.0)	29 (1.0)	555 (4.1)	21 (1.0)	558 (4.8)	22 (1.6)	519 (7.0)
Canada (O,Q)	46 (0.9)	559 (3.1)	28 (0.7)	543 (2.7)	15 (0.6)	528 (3.2)	10 (0.6)	505 (4.1)
Colombia	51 (1.8)	413 (4.8)	27 (1.1)	430 (6.1)	11 (0.8)	445 (7.3)	12 (0.9)	436 (7.4)
Cyprus	29 (1.0)	504 (4.7)	37 (1.2)	497 (3.3)	21 (0.9)	496 (4.6)	13 (0.7)	472 (5.6)
Czech Republic	21 (1.1)	550 (3.8)	23 (1.0)	542 (3.4)	19 (0.8)	545 (3.4)	37 (1.3)	524 (2.9)
England	38 (1.2)	574 (3.8)	32 (0.9)	553 (4.6)	17 (0.7)	547 (4.3)	13 (0.8)	501 (4.2)
France	30 (1.2)	545 (3.8)	28 (0.8)	524 (3.1)	20 (0.7)	522 (3.8)	22 (1.0)	505 (3.0)
Germany	27 (0.7)	556 (2.5)	20 (0.7)	543 (2.4)	15 (0.6)	538 (3.4)	38 (1.0)	527 (2.3)
Greece	29 (1.2)	537 (4.5)	38 (1.4)	521 (5.1)	21 (1.0)	523 (4.6)	12 (0.8)	513 (6.8)
Hong Kong, SAR	20 (1.0)	542 (3.5)	44 (0.9)	535 (3.1)	23 (0.8)	521 (3.7)	12 (0.6)	499 (5.1)
Hungary	33 (0.9)	551 (3.3)	33 (1.0)	541 (2.8)	23 (0.9)	543 (2.4)	12 (0.7)	532 (3.9)
Iceland	44 (0.7)	529 (2.2)	26 (0.6)	511 (2.4)	14 (0.6)	507 (3.3)	16 (0.5)	483 (3.2)
Iran, Islamic Rep. of	22 (0.9)	415 (6.1)	42 (0.9)	423 (4.8)	21 (0.9)	422 (4.8)	14 (1.3)	380 (6.7)
Israel	30 (1.1)	507 (5.1)	27 (1.0)	499 (4.1)	15 (0.7)	510 (4.9)	28 (1.3)	527 (3.7)
Italy	15 (0.8)	562 (4.5)	18 (0.7)	542 (3.9)	17 (0.6)	550 (4.1)	51 (1.1)	533 (2.5)
Kuwait	28 (1.3)	414 (4.5)	36 (1.2)	406 (4.6)	21 (1.0)	397 (6.4)	16 (1.2)	371 (8.4)
Latvia	23 (0.9)	559 (4.2)	27 (0.9)	545 (3.5)	20 (0.8)	548 (3.4)	30 (1.0)	532 (2.8)
Lithuania	27 (1.2)	551 (3.6)	31 (1.0)	544 (3.3)	20 (0.9)	556 (4.3)	22 (1.1)	526 (4.0)
Macedonia, Rep. of	49 (1.4)	447 (5.5)	34 (1.2)	448 (6.1)	14 (1.1)	441 (7.7)	3 (0.4)	414 (10.8)
Moldova, Rep. of	23 (1.5)	501 (5.0)	44 (1.9)	494 (4.2)	22 (1.5)	492 (6.8)	11 (1.1)	475 (6.5)
Morocco	18 (1.1)	340 (9.0)	34 (1.6)	345 (8.0)	25 (1.2)	354 (8.4)	23 (2.4)	366 (25.6)
Netherlands	48 (1.1)	565 (2.8)	26 (0.9)	551 (2.5)	12 (0.6)	548 (3.6)	14 (0.8)	530 (3.9)
New Zealand	46 (1.5)	556 (4.7)	30 (1.1)	527 (4.3)	13 (0.8)	509 (5.8)	10 (0.8)	457 (7.8)
Norway	18 (0.9)	519 (5.5)	25 (0.9)	499 (3.7)	19 (0.9)	505 (4.3)	37 (1.4)	488 (3.9)
Romania	20 (1.2)	503 (5.4)	38 (1.5)	517 (5.2)	27 (1.2)	527 (6.0)	15 (1.2)	489 (7.8)
Russian Federation	56 (1.6)	533 (4.6)	30 (1.0)	525 (5.4)	9 (0.7)	523 (6.2)	6 (0.6)	506 (4.9)
Scotland	40 (1.3)	550 (4.6)	32 (1.0)	523 (3.8)	15 (0.7)	526 (4.7)	13 (0.9)	481 (7.0)
Singapore	53 (1.1)	553 (4.9)	27 (0.8)	517 (4.8)	11 (0.5)	492 (6.1)	9 (0.5)	464 (7.8)
Slovak Republic	15 (0.9)	531 (4.9)	21 (0.9)	525 (3.8)	22 (0.9)	524 (3.3)	42 (1.2)	509 (3.8)
Slovenia	26 (1.2)	515 (3.1)	27 (1.1)	501 (3.2)	19 (1.0)	497 (3.6)	27 (1.4)	496 (3.4)
Sweden	33 (0.8)	580 (2.6)	33 (0.7)	557 (2.7)	22 (0.6)	555 (3.0)	11 (0.6)	528 (3.6)
Turkey	35 (1.3)	459 (4.3)	41 (0.9)	454 (4.1)	17 (0.9)	441 (5.2)	7 (0.6)	403 (7.1)
United States	34 (1.5)	560 (4.0)	28 (1.1)	548 (4.3)	17 (0.8)	548 (5.5)	21 (1.0)	505 (6.0)
International Avg.	32 (0.2)	512 (0.8)	31 (0.2)	501 (0.7)	18 (0.1)	500 (0.9)	19 (0.2)	478 (1.2)

SOURCE: IEA PIRLS 2001

B... () ... A ... 70-84% ... 50-69% ... A ... 50% ...

Exhibit 8.7: Students Read Stories or Novels Outside of School by Gender



	Male	Female	Total	Male	Female	Total	Male	Female	Total
Argentina	41 (1.3) ●	24 (1.5)	27 (1.5) ●	23 (1.4)	13 (1.0)	14 (1.3)	19 (1.1)	39 (1.8) ●	
Belize	35 (1.5) ●	29 (1.8)	30 (1.5)	29 (1.0)	14 (1.0)	14 (1.1)	21 (1.6)	28 (2.2) ●	
Bulgaria	35 (1.6) ●	20 (1.3)	30 (1.2)	27 (1.5)	18 (1.4)	25 (1.3) ●	17 (1.5)	28 (1.9) ●	



Exhibit 8.11: Students Talk with Their Families About What the Students are Reading

ISC 4th Grade PIRLS 2001

Countries	Every Day or Almost Every Day		Once or Twice a Week		Once or Twice a Month		Never or Almost Never	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Argentina	47 (1.3)	419 (5.9)	24 (0.9)	442 (6.5)	10 (0.7)	420 (8.5)	19 (1.1)	433 (8.4)
Belize	40 (1.9)	337 (5.9)	24 (1.2)	329 (6.6)	14 (0.7)	322 (8.8)	22 (1.0)	321 (8.0)
Bulgaria	47 (1.5)	551 (4.6)	27 (0.9)	564 (4.4)	11 (0.7)	556 (6.2)	15 (1.1)	533 (7.0)
Canada (O,Q)	29 (0.9)	542 (3.2)	30 (0.7)	550 (2.9)	20 (0.8)	554 (2.9)	21 (0.8)	531 (3.1)
Colombia	53 (1.9)	414 (4.9)	25 (1.3)	437 (6.2)	10 (0.7)	442 (7.6)	12 (1.0)	432 (6.9)
Cyprus	50 (1.2)	496 (3.6)	26 (1.1)	498 (3.6)	12 (0.7)	492 (5.7)	12 (0.8)	488 (5.3)
Czech Republic	16 (1.0)	521 (4.4)	27 (1.1)	546 (3.1)	25 (0.9)	553 (3.4)	32 (1.2)	527 (3.1)
England	21 (1.0)	529 (4.1)	33 (1.0)	568 (3.5)	21 (0.7)	570 (4.5)	26 (1.2)	543 (5.1)
France	26 (0.9)	523 (3.7)	27 (0.8)	532 (3.4)	18 (0.9)	535 (4.1)	28 (0.9)	517 (3.1)
Germany	17 (0.7)	531 (3.4)	26 (0.7)	545 (2.6)	20 (0.6)	550 (2.6)	37 (0.9)	535 (2.5)
Greece	60 (1.4)	521 (3.7)	22 (1.1)	529 (5.6)	9 (0.8)	538 (7.2)	9 (0.6)	530 (6.3)
Hong Kong, SAR	22 (0.9)	535 (3.4)	31 (0.8)	535 (3.3)	26 (0.7)	526 (3.7)	21 (0.9)	516 (4.8)
Hungary	27 (1.2)	538 (3.3)	32 (1.1)	550 (3.1)	20 (0.7)	546 (2.6)	21 (0.9)	541 (2.9)
Iceland	23 (0.6)	500 (2.8)	25 (0.8)	523 (2.6)	18 (0.7)	525 (3.0)	35 (0.9)	511 (2.4)
Iran, Islamic Rep. of	55 (1.3)	420 (3.8)	28 (0.9)	416 (6.3)	10 (0.6)	402 (6.7)	8 (0.8)	388 (7.5)
Israel	36 (1.1)	501 (4.0)	28 (0.8)	521 (3.6)	16 (0.8)	528 (5.4)	21 (0.9)	505 (4.2)
Italy	37 (0.9)	539 (2.8)	27 (0.8)	548 (3.4)	13 (0.6)	544 (4.5)	23 (0.8)	533 (3.4)
Kuwait	53 (1.0)	403 (4.6)	26 (0.8)	404 (4.9)	12 (0.6)	395 (6.3)	10 (0.6)	388 (7.2)
Latvia	26 (1.2)	537 (3.9)	34 (1.0)	547 (3.1)	19 (0.9)	553 (3.6)	21 (0.9)	547 (3.3)
Lithuania	30 (1.0)	532 (3.6)	32 (1.0)	551 (3.4)	19 (0.9)	553 (3.8)	19 (0.9)	539 (3.6)
Macedonia, Rep. of	62 (1.3)	444 (4.9)	26 (1.1)	453 (6.4)	8 (0.6)	446 (11.3)	4 (0.4)	444 (12.0)
Moldova, Rep. of	41 (2.0)	489 (4.9)	35 (1.4)	497 (4.4)	14 (1.2)	502 (5.7)	10 (1.2)	480 (6.4)
Morocco	44 (1.8)	350 (8.8)	32 (1.2)	348 (9.1)	14 (1.0)	336 (12.8)	10 (1.4)	399 (22.8)
Netherlands	9 (0.5)	555 (5.6)	19 (0.9)	561 (3.6)	18 (0.8)	564 (3.1)	55 (1.1)	549 (2.7)
New Zealand	26 (1.2)	517 (5.3)	30 (1.0)	544 (4.5)	20 (1.1)	544 (6.5)	23 (1.0)	516 (4.5)
Norway	19 (0.7)	482 (4.7)	27 (0.9)	503 (3.6)	20 (0.7)	516 (4.7)	35 (1.1)	498 (4.0)
Romania	49 (1.9)	508 (4.4)	30 (1.3)	518 (6.6)	12 (0.8)	527 (8.7)	10 (0.9)	508 (8.0)
Russian Federation	50 (1.2)	528 (4.8)	27 (1.0)	526 (5.0)	12 (0.8)	535 (6.2)	12 (1.0)	528 (5.5)
Scotland	24 (1.3)	504 (5.2)	33 (1.2)	541 (4.2)	18 (1.0)	554 (3.9)	25 (1.3)	519 (6.6)
Singapore	23 (0.7)	520 (6.3)	27 (0.6)	535 (5.4)	19 (0.5)	537 (5.8)	31 (0.8)	524 (5.2)
Slovak Republic	23 (1.1)	510 (4.3)	31 (1.1)	532 (3.0)	23 (0.9)	526 (3.3)	23 (1.3)	503 (5.5)
Slovenia	25 (1.1)	492 (3.2)	31 (1.0)	507 (2.9)	20 (0.9)	511 (4.6)	24 (1.3)	501 (3.4)
Sweden	17 (0.8)	551 (3.8)	30 (0.8)	568 (2.8)	28 (0.8)	567 (2.6)	25 (1.0)	553 (2.9)
Turkey	48 (1.3)	457 (4.1)	31 (1.1)	453 (4.7)	12 (0.7)	439 (4.7)	10 (1.3)	423 (10.6)
United States	27 (0.8)	532 (4.7)	28 (1.2)	556 (3.7)	18 (0.7)	554 (5.1)	26 (1.1)	532 (5.5)
International Avg.	34 (0.2)	495 (0.8)	28 (0.2)	508 (0.8)	16 (0.1)	507 (1.0)	21 (0.2)	495 (1.1)

SOURCE: IEA PIRLS 2001

B... () ... A ... 70-84% ... 50-69% ... A ... 50% ...

Exhibit 8.12: Students Spend Time Watching Television or Videos on a Normal School Day

	Min	Q1	Median	Q3	Max	Mean	SD	Min	Q1	Median	Q3	Max	Mean	SD
Argentina	37 (1.4)	423 (5.7)	21 (1.0)	436 (8.0)	17 (0.8)	422 (8.0)	25 (1.1)	427 (6.3)	2.6 (0.06)					
Belize	59 (1.6)	337 (5.4)	15 (0.9)	314 (8.4)	9 (0.7)	302 (9.1)	16 (1.3)	331 (8.6)	1.8 (0.07)					
Bulgaria	30 (1.2)	542 (4.6)	38 (1.3)	564 (4.6)	18 (0.8)	552 (5.4)	15 (0.9)	542 (5.3)	2.4 (0.05)					
Canada (O,Q)														

OECD/IEA PISA 2001