Classroom Instruction

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Students Value Mathematics

E b 8.2: S de L e Lea g a e a c (C ed)

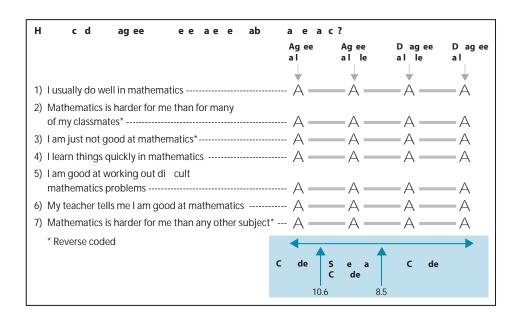
Country			-				
oounii y		-		-			
Ninth Grade Participants							
Botswana	47 (1.1)	427 (2.5)	38 (0.8)	376 (2.6)	16 (0.8)	370 (4.3)	11.0 (0.05)
South Africa	41 (0.9)	378 (2.0)	44 (0.7)	339 (2.9)	15 (0.6)	348 (5.3)	10.8 (0.04)
Honduras	23 (1.0)	364 (4.6)	49 (0.9)	332 (4.2)	28 (1.1)	334 (4.8)	10.1 (0.06)

н	c d	ag ee	e e a e	e	ab lea	g a e	ас?	
					Ag ee a l		Dagee alle	
1) Len	njoy learnir	ng mathematio	:s		А	— A —	— A —	— A
2) I wi	ish I did no	t have to stud	y mathematic	cs*	A	— A —	— A	

E	b	8.4:	S	de	C	de	а	е	а	C	(C	ed)



Country		-		-		-	-
th Grade Participants		. –	`			. –	
Yemen	20 (1.2)	397 (6.2)	59 (1.4)	344 (5.8)	21 (1.3)	322 (7.7)	9.6 (0.05)
Botswana	19 (0.9)	473 (5.1)	52 (1.0)	408 (3.4)	29 (1.0)	410 (5.3)	9.4 (0.04)
Honduras	18 (1.0)	442 (7.5)	61 (1.3)	388 (5.7)	21 (1.0)	389 (6.3)	9.5 (0.04)
enchmarking Participants North Carolina, US	42 (1.5)	585 (3.9)	40 (1.2)	544 (4.7)	18 (1.3)	508 (4.7)	10.3 (0.07)
Abu Dhabi, UAE	41 (1.6)	452 (4.6)	46 (1.4)	398 (5.0)	13 (0.8)	385 (8.4)	10.4 (0.06)
	, ,	578 (3.5)	38 (1.0)	533 (3.4)	21 (1.0)	507 (3.7)	10.3 (0.06)
Florida, US	41 (1.3)	3/0 (3.3)					
· ·	41 (1.3) 41 (1.0)	500 (2.4)	45 (0.8)	454 (2.4)	15 (0.7)	442 (3.7)	10.4 (0.04)
Florida, US	` ,	` ,	` ,	. ,	` ,	` ,	, ,
Florida, US Dubai, UAE	41 (1.0)	500 (2.4)	45 (0.8)	454 (2.4)	15 (0.7)	442 (3.7)	10.4 (0.04)

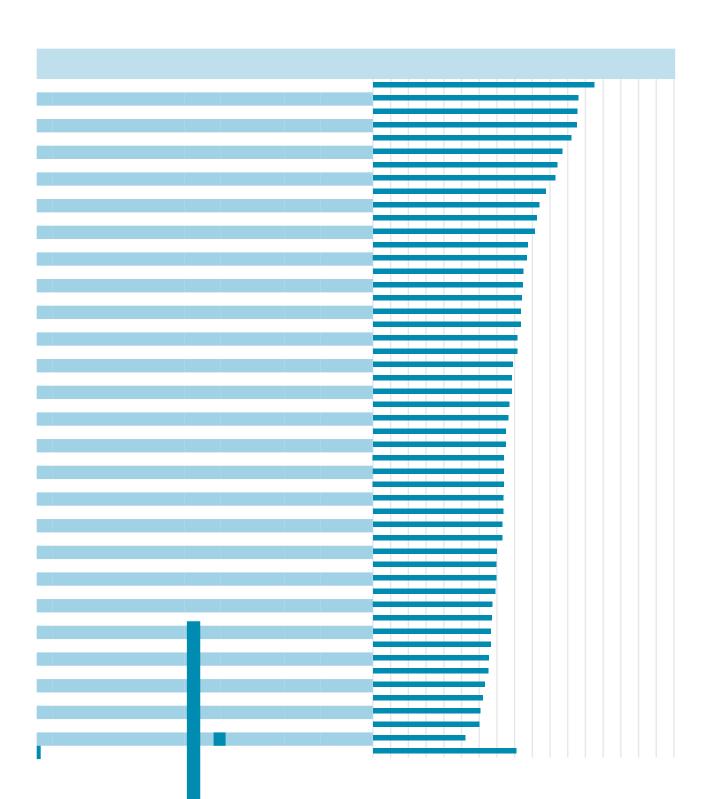


Instructional Time Spent on Mathematics

CHAPTER 8

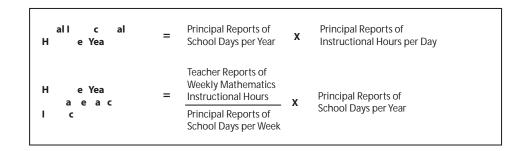
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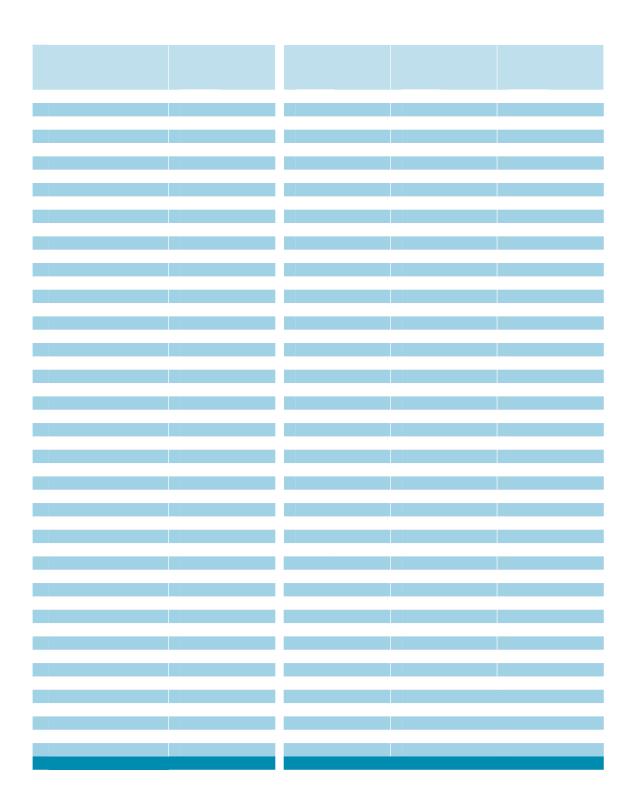
E b 8.: I c al eS e a e a c (C ed)

Country					
Sixth Grade Participants					
Honduras		1024 (16.9)	r	206 (7.2)	
Botswana	S	1143 (23.2)	S	153 (5.8)	
Yemen	r	831 (14.4)	r	123 (4.7)	







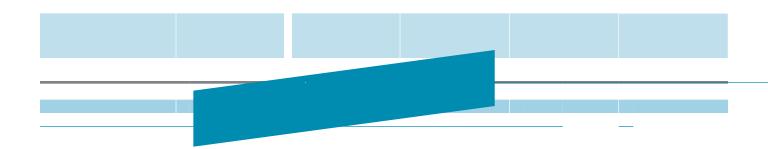


E b 8.8: Pe ce age S de a g e I SS a e a c c * (C ed)

Country		(1 _)		(1	(_)		(3 -)
Sixth Grade Participants								
Botswana	r	96 (0.8)	r	98 (0.5)	r	94 (1.4)	r	96 (1.5)
Honduras		75 (1.8)		93 (1.1)		64 (2.8)		50 (4.0)
Yemen		73 (1.4)		91 (1.1)		57 (2.0)		63 (4.0)
Benchmarking Participants		44 (4.7)		(4.0)		(2.1)		0.4 (0.0)
Alberta, Canada	r	64 (1.7)	r	75 (1.8)	r	44 (2.6)	r	81 (2.8)
Ontario, Canada		78 (1.1)		72 (1.5)		77 (1.5)		98 (0.8)
Quebec, Canada		82 (1.0)		83 (1.1)		81 (1.3)		81 (3.0)
Abu Dhabi, UAE		71 (1.9)		77 (1.8)		59 (2.8)		81 (2.9)
Dubai, UAE	r	74 (0.9)	r	82 (1.0)	r	60 (1.3)	r	85 (1.8)
Florida, US	S	89 (1.0)	S	90 (1.0)	S	88 (1.4)	S	87 (3.5)
North Carolina, US		91 (1.2)		97 (0.8)		81 (2.7)		96 (2.2)

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- 1) Concepts of whole numbers, including place value and ordering
- 2) Adding, subtracting, multiplying, and/or dividing with whole numbers
- 3) Concepts of fractions
- 4) Adding and subtracting with fractions
- 5) Concepts of decimals, including place value and ordering
- 6) Adding and subtracting with decimals
- 7) Number sentences
- 8) Number patterns



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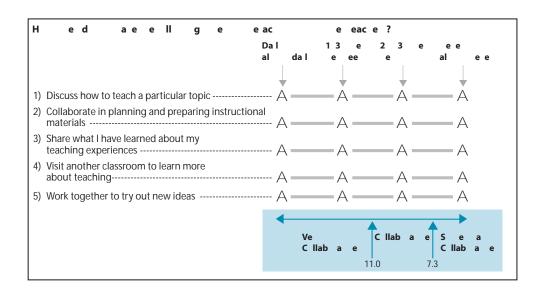
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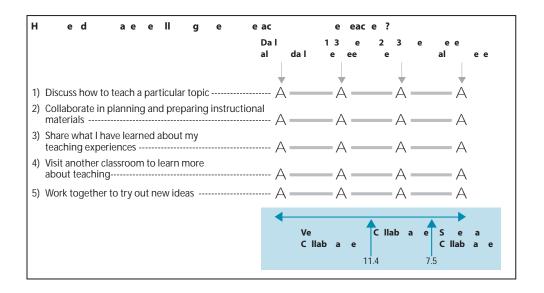
Collaborate to Improve Teaching



E b 8.12: C llab a e I e eac g (C ed)

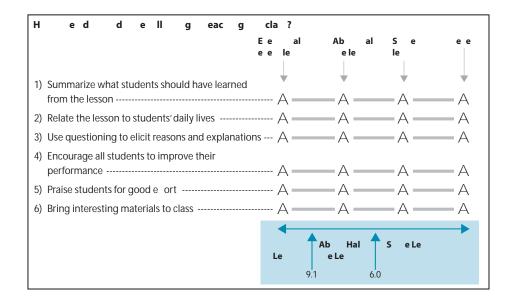
Country	-	-	-	-	





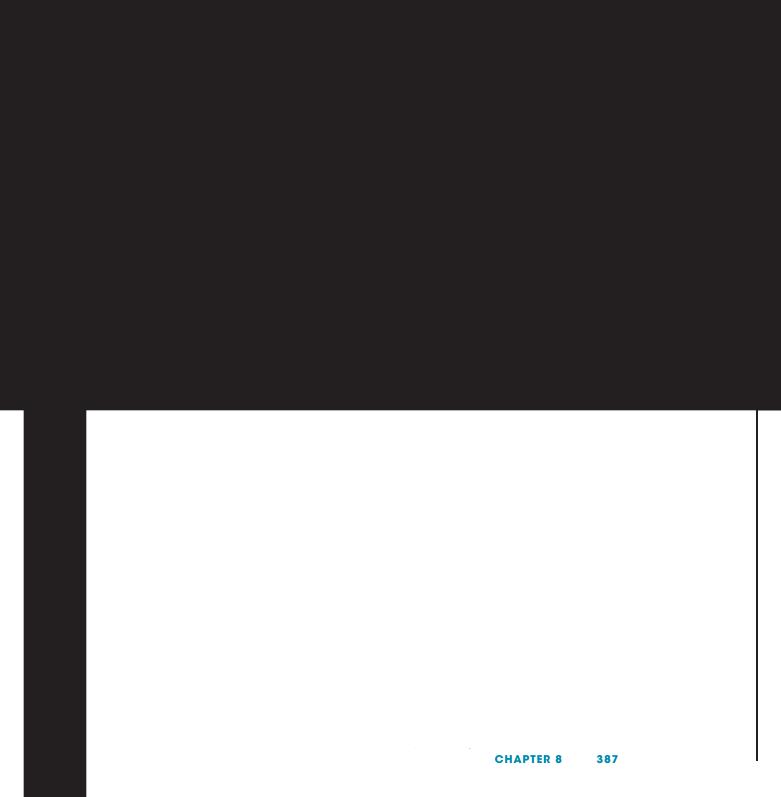
E b 8.14: I c E gage S de Lea g (C ed)

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E b 8.22: I c Lac	L ed b S de S e g Slee (C ed)
Country	



Teacher Instructional Activities in Mathematics Class

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E b 8.27:**8**..8

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Country	(_		-		(_) -				
Sixth Grade Participants						<u>'</u>				
Botswana		68 (4.2)		64 (3.7)		37 (4.2)		59 (4.8)	r	71 (4.5)
Honduras		61 (4.7)		58 (4.5)		35 (4.8)		59 (4.5)		77 (4.3)
Yemen		30 (4.0)		44 (4.1)		7 (2.2)		66 (4.1)		45 (4.3)
Benchmarking Participants										
Alberta, Canada	r	49 (4.7)	r	39 (4.7)	r	14 (3.4)	r	4 (1.5)	r	60 (4.8)
Ontario, Canada		47 (3.5)		43 (3.5)		14 (2.7)		8 (1.9)		62 (3.7)
Quebec, Canada		37 (4.7)		35 (4.9)		14 (3.1)		29 (3.9)		49 (4.5)
Abu Dhabi, UAE		58 (4.2)		40 (4.4)		13 (2.8)		45 (4.7)		80 (3.2)
Dubai, UAE		61 (2.6)	r	52 (3.0)	r	18 (3.3)		52 (2.8)	r	83 (2.4)
Florida, US	S	78 (4.9)	r	85 (3.9)	r	31 (4.9)	r	35 (4.3)	r	83 (3.6)
North Carolina, US		80 (3.8)		77 (5.1)		23 (5.5)		27 (5.3)		94 (2.6)

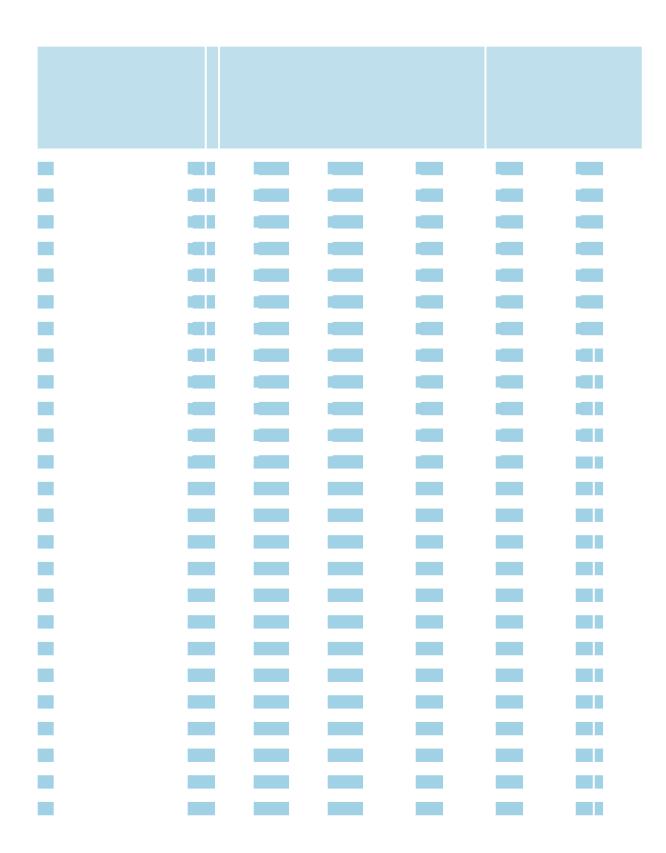
E b 8.28: eac e I c al Ac e a e a c Cla (C ed)

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E b 8.29: C e	Ac e D	g a e	a c Le	(C ed)		
Country			 -	~		-
Country						
Sixth Grade Participants						
Yemen	12 (3.0)	339 (14.2)	352 (6.0)	4 (1.8)	4 (1.8)	4 (1.8)
Botswana	6 (2.1)	465 (16.6)	416 (4.5)	r 3 (1.2)	3 (1.5)	r 3 (1.2)
Honduras	4 (1.6)	407 (12.8)	396 (6.4)	2 (1.3)	2 (1.3)	2 (1.3)
Benchmarking Participants						