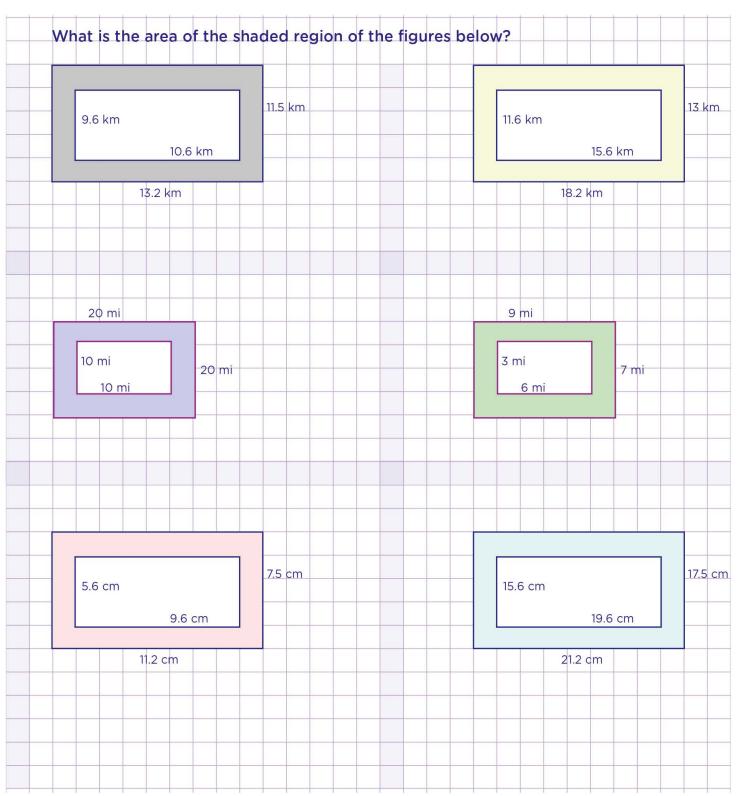


N.I.	\bigcirc I	
Name:	Class:	

Area between two rectangles







Name:		Class:		
A	rea between two rectan	ngles		
What is the area of the sh	naded region of the figures b	pelow?		
		To calculate the area of the shaded region,		
9.6 km		Subtract the area of the inner shape from		
10.6 km	the area of t	the area of the outer shape.		
10.0 KIII				
13.2 km				
Area of inner rectangle = L x W	Area of outer rectangle =	L x W So, area of shaded re	gion	
_ = 10.6 km	L = 13.2 km	= 151.8 km ² - 101.7		
W = 9.6 km	W = 11.5 km	= 50, 04 km ²		
Area = 10.6 km x 9.6 km	Area = 13.2 km x 11.5 km	n		
$= 101.76 \text{ km}^2$	= 151.8 km ²			
	So, the area c	of the shaded region is 50.0	4 kr	
20 mi				
	To calculate the area of	f the shaded region,		
10 mi		ct the area of the inner shape from		
10 mi	the area of the outer sh	nape.		
Area of inner rectangle = L x W				
_ = 10 mi	L = 20 mi	= 400 mi ² - 100 n	ni²	
W = 10 mi	W = 20 mi	= 300 mi ²		
Area = 10 mi x 10 mi	Area = 20 mi x 20 mi			
$= 100 \text{ m}i^2$	$= 400 \text{ mi}^2$			
			+	
	So, the area of the s	shaded region is 300 mi².		