

Name:	Class:	

## Area between two rectangles

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a.																								
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		6mm				4mn	n	2m	nm															
						8m	m																	
b.														C.										
					7	'cm				8cm	1						91	nm	13	Smm		19m	m	
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			Į	3cm															27	mm				
						9cm																		
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Area between two recta	ngles	

	Find the area between the following two re	ectangles.
a.		Secondly, let's find the area of the inner rectangle
		Area = length X width
	6mm 2mm	= 4mm X 2mm
	4mm	= 8mm <sup>2</sup>
	8mm	Finally, let's find the area of the shaded region.
		Area of shaded region =
	Let's first of all find the area of the outer	Area of outer rectangle - Area of inner rectangle
	rectangle.	$= (48 - 8) \text{ mm}^2 = 40 \text{ mm}^2$
	Area = length X width	So, the area between the two rectangles is
	= 8 mm X 6 mm = 48mm <sup>2</sup>	40 sqaure millimeters.
b.		C.
	8cm	13mm 19mm
	7cm	9mm
	3cm	27mm
	9cm	Let's first of all find the area of the outer
	Let's first of all find the area of the outer	rectangle.
	rectangle.	Area of outer rectangle = length X width
	Area of outer rectangle = length X width	= 27mm X 19mm = 513mm <sup>2</sup>
	= 9cm X 8cm = 72cm <sup>2</sup>	Then, let's find the area of the inner rectangle
	Then, let's find the area of the inner rectangle	Area of inner rectangle = length X width
	Area of inner rectangle = length X width	= 13mm X 9mm = 117mm <sup>2</sup>
	= 3cm X 7cm = 21cm <sup>2</sup>	Finally, area of shaded region =
	Finally, area of shaded region =	Area of the (outer rectangle - inner rectangle)
	Area of the (outer rectangle - inner rectangle)	= 7513mm <sup>2</sup> - 117mm <sup>2</sup> = 396mm <sup>2</sup>
	$= 72 \text{cm}^2 - 21 \text{cm}^2 = 51 \text{cm}^2$	So, the area between the two rectangles is
	So, the area between the two rectangles is	equal to 396 sqaure millimeters.
	equal to 51 square centimeters.	

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