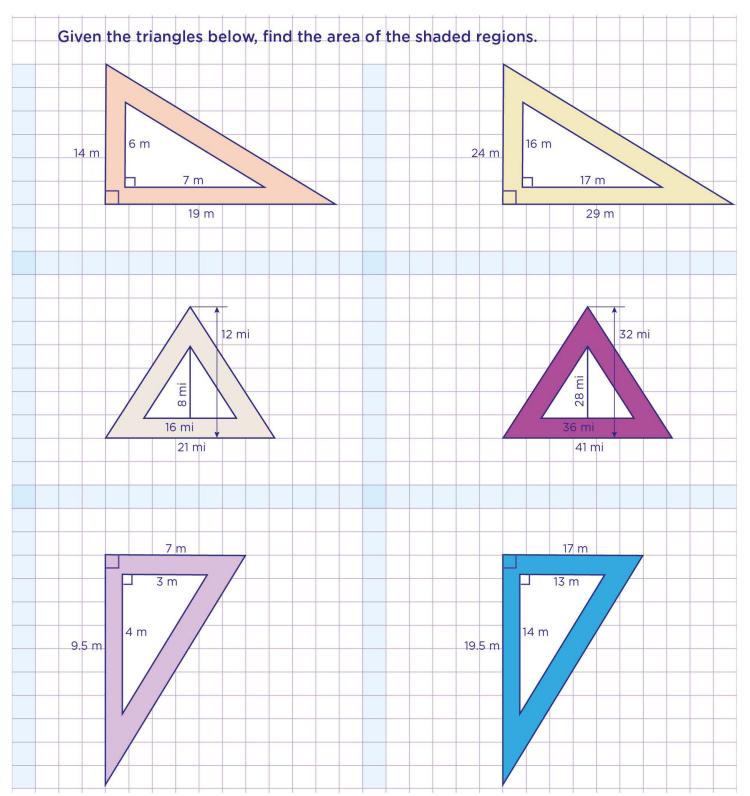


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Area between two triangles







Nam	e:		Class:	
		Area between two triangle	es	
Given the	triangles below, 1	find the area of the shaded regi	ons.	
		To calculate the area of the		
14 m	6 m	the area of the outer shape.	EL SHAPE HOTT	
	7 m			
b = 7 m		x h Area of outer triangle = $\frac{1}{2}$ b x b = 19 m h = 14 m	s h	
	x 7 m x 6 m	Area = $\frac{1}{2}$ x 19 m x 14 m		
_	21 m ²	= 133 m ² So, the area of the shaded region is 112 m ² .		
		To calculate the area of the shace Subtract the area of the inner shape.		
Area of inr	$ \begin{array}{c c} \hline & 16 \text{ mi} \\ \hline & 21 \text{ mi} \\ \hline & \text{ner triangle} = \frac{1}{2} \text{ b} \end{array} $	Area of outer triangle = $\frac{1}{2}$ b > b= 21 mi x h h = 12 mi Area = $\frac{1}{2}$ x 21 mi x 12 mi	So, area of shaded region = 126 mi ² - 64 mi ² = 62 mi ²	

 $= 126 \text{ mi}^2$

So, the area of the shaded region is 62 mi².

h = 8 mi Area = $\frac{1}{2}$ x 16 mi x 8 mi

 $= 64 \text{ mi}^2$