

Fill in the Blanks

Area of a Sector

Radius	Angle	Fraction	Area
8 cm	90°	$\frac{90}{360} = \frac{1}{4}$	$\frac{90}{360} \times \pi \times 8^2 = 50.3 \text{ cm}^2$
7 cm	45°	$\frac{45}{360} = \frac{1}{8}$	
15 mm	60°		
4 cm	75°		
1.8 m	130°		
82 mm	335°		
11 cm	275°		
9 mm		$\frac{\square}{360} = \frac{5}{36}$	
10 cm		$\frac{\square}{360} = \frac{7}{9}$	
25 mm			$\frac{\square}{360} \times \pi \times 25^2 = 327.2 \text{ mm}^2$
2 m			$\frac{\square}{360} \times \pi \times 2^2 = 4.712 \text{ m}^2$
	35°		$\frac{35}{360} \times \pi \times \square^2 = 2.75 \text{ cm}^2$
	315°		$\frac{315}{360} \times \pi \times \square^2 = 464.6 \text{ mm}^2$
	58°		$\frac{58}{360} \times \pi \times \square^2 = 50.61 \text{ cm}^2$