



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° | | |
| 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° | | $\frac{58}{360} \times \pi \times \square^2 = 50.61 \text{ cm}^2$ |