

Question #9240

A circle radius is 1cm and a central angle of 54 what is the area of the sector containing the central angle

Solution

$$S = \frac{\theta \cdot r^2}{2}, \text{ where } \theta \text{ in radians;}$$

$$S = \frac{\theta \cdot r^2}{2} = \frac{3,14 \cdot 54 \cdot 1^2}{2 \cdot 180} = 0,471(\text{cm}^2)$$

$$\text{Answer: } S = 0,471(\text{cm}^2)$$