

# ANSWERS

1. Radius of the circle = 4 m

$$\text{circumference} = 2 \pi R = 2 \times 3.14 \times 4 = 25.12 \text{ m}$$

$$\text{diameter} = 2 \times R = 2 \times 4 = 8 \text{ m}$$

2. Diameter = 60 cm =  $2 \times R$

$$R = 60 / 2 = 30 \text{ cm}$$

$$\text{circumference} = 2 \times \pi \times R = 2 \times 3.14 \times 30 = 188.4 \text{ cm}$$

3. Circumference =  $2 \pi R = 20 \text{ cm}$

$$2 \times 3.14 \times R = 20$$

$$6.28 \times R = 20$$

$$R = 20 / 6.28 = 3.18 \text{ cm}$$

$$\text{Diameter} = 2 \times R = 2 \times 3.18 = 6.36 \text{ cm}$$