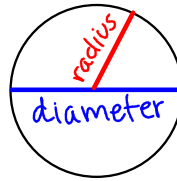


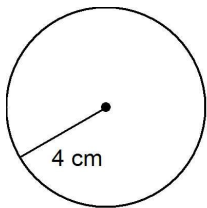
Circumference and Area



$$d=2r \quad r=d/2$$

$$\text{Area} = \pi r^2$$

$$\text{Circumference} = 2\pi r = \pi d$$



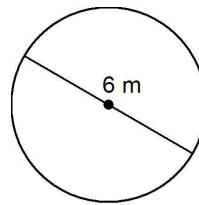
$$C = 2 \cdot \pi \cdot 4$$

$$C = 25.1 \text{ cm}$$

$$A = \pi \cdot 4^2$$

$$= \pi \cdot 16$$

$$A = 50.3 \text{ cm}^2$$



$$r = 3$$

$$C = 2 \cdot \pi \cdot 3 \text{ or } 6\pi$$

$$C = 18.8 \text{ m}$$

$$A = \pi \cdot 3^2 = \pi \cdot 9$$

$$A = 28.3 \text{ m}^2$$

circumference = 35.7
Find the radius.

$$\frac{35.7}{2\pi} = \frac{2\pi r}{2\pi}$$

$$5.7 = r$$

Area = 629.3 m²
Find the diameter.

$$629.3 = \pi r^2$$

$$\frac{629.3}{\pi} = \frac{\pi r^2}{\pi}$$

$$\sqrt{200.3} = \sqrt{r^2}$$

$$14.2 \text{ m} = r$$

$$d = 14.2 \text{ m} \cdot 2$$

$$d = 28.4 \text{ m}$$