

Diameter and Radius

CPI 1

Instructions: In each problem below, calculate either the diameter or the radius from the information given.

- 1 If the diameter of a circle is 8 feet,
What is the radius?

Remember that $r = d \div 2$

$$r = 8 \div 2$$
$$r = 4 \text{ ft}$$

- 2 If the radius of a circle is 3 cm,
What is the diameter?

Remember that $d = r \times 2$

$$d = 3 \times 2$$
$$d = 6 \text{ cm}$$

- 3 If the diameter of a circle is 20 inches,
What is the radius?

$$r = 20 \div 2$$
$$r = 10 \text{ in}$$

- 4 If the radius of a circle is 9 meters,
What is the diameter?

$$d = 9 \times 2$$
$$d = 18 \text{ m}$$

- 5 If the diameter of a circle is 64 cm,
What is the radius?

$$r = 64 \div 2$$
$$r = 32 \text{ cm}$$

- 6 If the radius of a circle is 15 yards,
What is the diameter?

$$d = 15 \times 2$$
$$d = 30 \text{ yd}$$

- 7 If the diameter of a circle is 86 feet,
What is the radius?

$$r = 86 \div 2$$
$$r = 43 \text{ ft}$$

- 8 If the radius of a circle is 16 mm,
What is the diameter?

$$d = 16 \times 2$$
$$d = 32 \text{ mm}$$

- 9 If the diameter of a circle is 7 inches,
What is the radius?

$$r = 7 \div 2$$
$$r = 3.5 \text{ in}$$

- 10 If the radius of a circle is 2.5 meters,
What is the diameter?

$$d = 2.5 \times 2$$
$$d = 5 \text{ m}$$