

Circumference of a circle Quiz

Name KEY

1) I would like to fence in my round garden. How many feet of fence do I need if I want the garden to be 10 feet across? Round to the nearest hundredth

$$C = \pi d$$

$$C = \pi (10)$$

$$C = 31.42 \text{ ft}$$

2) Joe needs to tile around a circular fountain. The fountain has a diameter of 22 feet. What is the circumference? Round to the nearest hundredth

$$C = \pi d$$

$$C = \pi (22)$$

$$C = 69.12$$

$$69.12 \text{ ft}$$

3) A circle measures 74.61 yards if you walk around it. How far would it be to walk directly through the center of the circle from one side to the other? Round to the nearest hundredth

$$C = \pi d$$

$$\frac{74.61}{\pi} = d$$

$$d = 23.75 \text{ yds}$$

4) A circle has a circumference of 55.78 inches. What is the radius? Round to the nearest hundredth.

$$C = 2\pi r$$

$$\frac{55.78}{2\pi} = \frac{2\pi r}{2\pi}$$

$$r = 8.88 \text{ inches}$$

5) What is the circumference of circle that has a radius of 3.27 inches? Round to the nearest hundredth

$$C = 2\pi r$$

$$C = 2\pi (3.27 \text{ in})$$

$$C = 20.55 \text{ in}$$

6) What is the circumference of circle that has a diameter of 34.5 inches? Round to the nearest hundredth.

$$C = \pi d$$

$$C = \pi (34.5 \text{ in})$$

$$C = 108.38 \text{ inches}$$