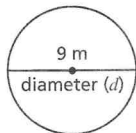


Explore Circumference of Circles

The **circumference** is the distance around a circle. You can use a formula to find the circumference of a circle.

Find the circumference of the circle. When you are given the diameter of the circle, use the formula $C = \pi \times d$, where C = circumference and d = diameter. The value of π is approximately 3.14.

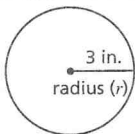


$$C = \pi \times d$$

$$C = 3.14 \times 9$$

$$C = 28.26 \text{ m, or about } 28.3 \text{ m}$$

When you are given the radius of the circle, first multiply it by 2 because 2 times the radius is the diameter. Then use the formula.



The radius is 3 in., so the diameter is

$$2 \times 3 \text{ in., or } 6 \text{ in.}$$

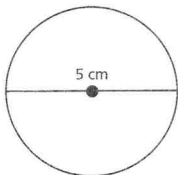
$$C = \pi \times d$$

$$C = 3.14 \times 6$$

$$C = 18.84 \text{ in., or about } 18.8 \text{ in.}$$

Find the circumference of each circle.
Round to the nearest tenth, if necessary.

1.



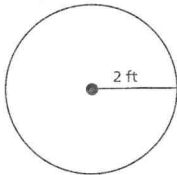
$$d = \underline{\hspace{2cm}} \text{ cm}$$

$$C = \pi \times d$$

$$C = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

$$C = \underline{\hspace{2cm}} \text{ cm}$$

2.



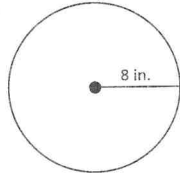
$$d = \underline{\hspace{2cm}} \text{ ft}$$

$$C = \pi \times d$$

$$C = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

$$C = \underline{\hspace{2cm}} \text{ ft}$$

3.



$$d = \underline{\hspace{2cm}} \text{ in.}$$

$$C = \pi \times d$$

$$C = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$$

$$C = \underline{\hspace{2cm}} \text{ in.}$$