

# Circumference of a Circle

Name \_\_\_\_\_

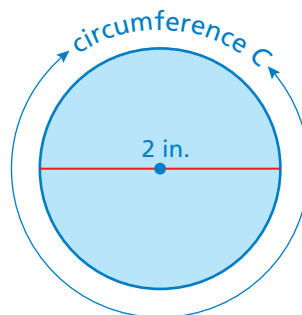
## Key Concept and Vocabulary



Pi

$$\pi \approx 3.14$$

$$\begin{aligned} C &= \pi d \\ &\approx 3.14 \times 2 \\ &= 6.28 \text{ in.} \end{aligned}$$

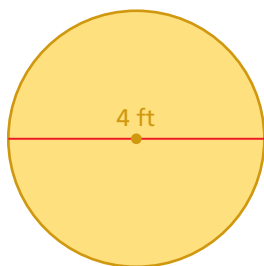


## PRACTICE MAKES PURR-FECT™

Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

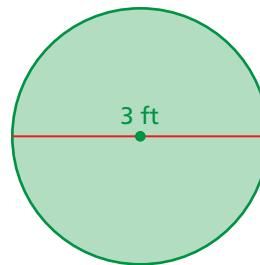
Find the circumference of the circle. Include the units in your answer.

1.



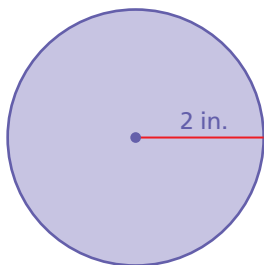
$$\begin{aligned} C &= \pi d \\ &\approx 3.14 \times 4 \\ &= 12.56 \text{ ft} \end{aligned}$$

2.



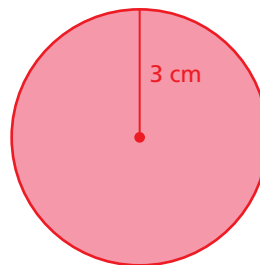
$$\begin{aligned} C &= \pi d \\ &\approx 3.14 \times 3 \\ &= 9.42 \text{ ft} \end{aligned}$$

3.



$$\begin{aligned} C &= \pi d \\ &\approx 3.14 \times 4 \\ &= 12.56 \text{ in.} \end{aligned}$$

4.



$$\begin{aligned} C &= \pi d \\ &\approx 3.14 \times 6 \\ &= 18.84 \text{ cm} \end{aligned}$$

5. **CIRCULAR SAW** Find the circumference of the circular saw blade.

$$\text{Circumference} \approx 21.98 \text{ in.}$$

6. **CIRCULAR SAW** The blade has two teeth per inch. How many teeth are on the blade?

$$\text{Number of teeth} \approx 44$$

