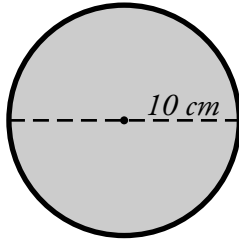


Name: \_\_\_\_\_

## Circumference of a Circle

To find the circumference of a circle, use the formula **pi x diameter = circumference**. This formula is often written as  $C = \pi \times d$ .



The circle pictured here has a diameter of 10 cm.

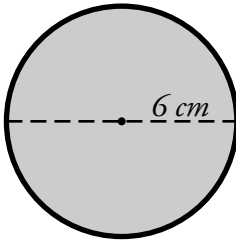
$$d = 10 \text{ cm}$$

$$\pi \approx 3.14$$

$$10 \text{ cm} \times 3.14 = 31.4 \text{ cm}$$

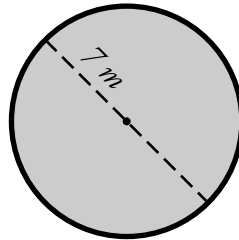
Find the circumference of each circle. Use 3.14 for pi.

a.



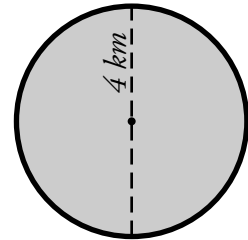
\_\_\_\_\_

b.



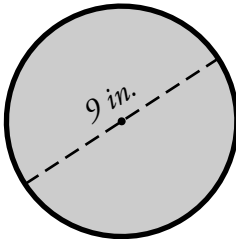
\_\_\_\_\_

c.



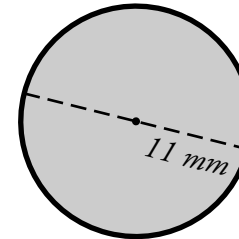
\_\_\_\_\_

d.



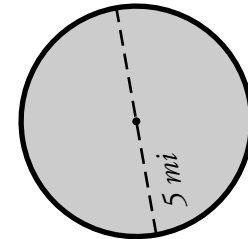
\_\_\_\_\_

e.



\_\_\_\_\_

f.



\_\_\_\_\_

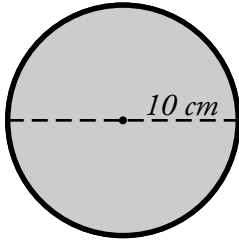
g. Karla and Jeremy have a circular pool with a diameter of 12 feet. What is the circumference of the pool?

\_\_\_\_\_

# ANSWER KEY

## Circumference of a Circle

To find the circumference of a circle, use the formula **pi x diameter = circumference**. This formula is often written as  $C = \pi \times d$ .



The circle pictured here has a diameter of 10 cm.

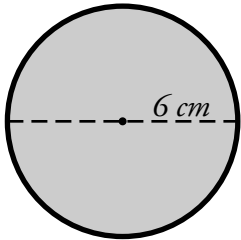
$$d = 10 \text{ cm}$$

$$\pi \approx 3.14$$

$$10 \text{ cm} \times 3.14 = 31.4 \text{ cm}$$

Find the circumference of each circle. Use 3.14 for pi.

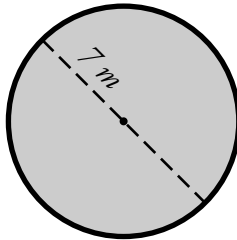
a.



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$$18.84 \text{ cm}$$

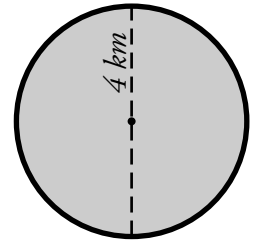
b.



---

$$21.98 \text{ m}$$

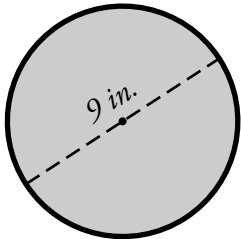
c.



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$$12.56 \text{ km}$$

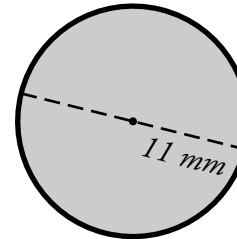
d.



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$$28.26 \text{ in.}$$

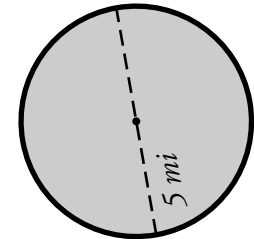
e.



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$$34.54 \text{ mm}$$

f.



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$$15.70 \text{ mi}$$

- g. Karla and Jeremy have a circular pool with a diameter of 12 feet. What is the circumference of the pool?

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$$3.14 \times 12 = 37.68 \text{ ft}$$