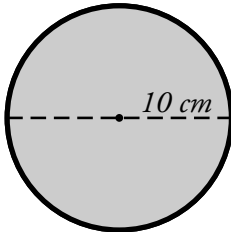


ANSWER KEY

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.

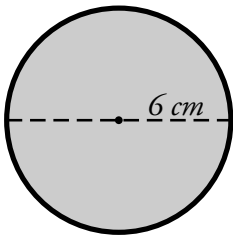
$$d = 10 \text{ cm}$$

$$\pi \approx 3.14$$

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

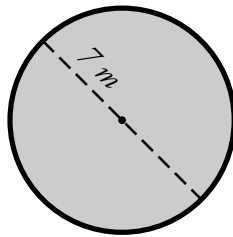
Find the circumference of each circle. Use 3.14 for pi.

a.



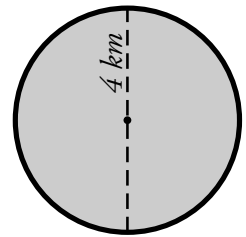
$$18.84 \text{ cm}$$

b.



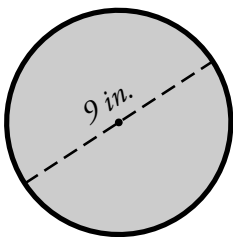
$$21.98 \text{ m}$$

c.



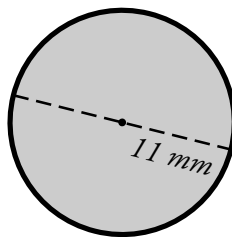
$$12.56 \text{ km}$$

d.



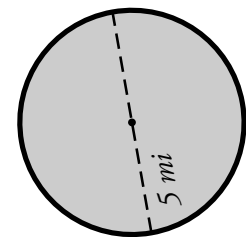
$$28.26 \text{ in.}$$

e.



$$35.54 \text{ mm}$$

f.



$$15.70 \text{ mi}$$

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

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