



Circumference of circles

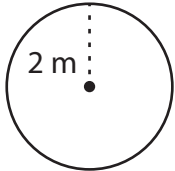
Name _____

Score _____

CC:10

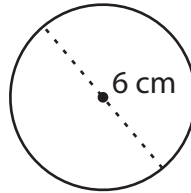
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



Circumference of circle = $2\pi r$
 Radius (r) = 2 m
 Circumference = $2 \times 3.14 \times 2$
 = **12.56 m**

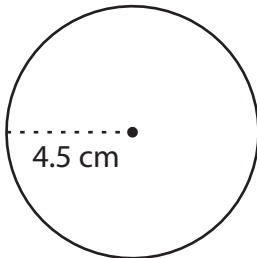
Example 2



Diameter (d) = $2 \times$ Radius (r)
 Circumference of circle = $2\pi r$ or πd
 diameter = 6 cm
 Circumference = $\pi \times d$
 = 3.14×6
 = **18.84 cm**

Find the circumference and radius/diameter of each circle (Use $\pi = \frac{22}{7}$ or 3.14). Round the answer to the two decimal places.

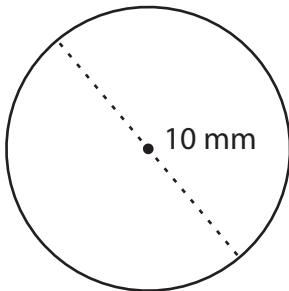
1)



Diameter = cm

Circumference = cm

2)



Radius = mm

Circumference = mm

3) Radius = 8.5 m

Diameter = m

Circumference = m

4) Diameter = 21 mm

Radius = mm

Circumference = mm

5) Radius = 2 cm

Diameter = cm

Circumference = cm

6) Diameter = 5.6 m

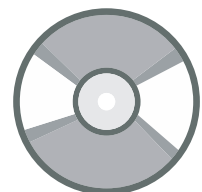
Radius = m

Circumference = m

7) The radius of the compact disc is 6 cm. What will be the diameter and the circumference of the compact disc. Round the answer to the two decimal places.

Diameter = m

Circumference = m





Circumference of circles

Name _____

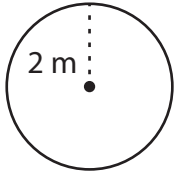
Score _____

Answer key

CC:10

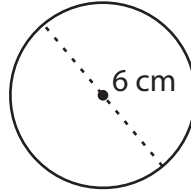
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



$$\begin{aligned} \text{Circumference of circle} &= 2\pi r \\ \text{Radius (r)} &= 2 \text{ m} \\ \text{Circumference} &= 2 \times 3.14 \times 2 \\ &= \mathbf{12.56 \text{ m}} \end{aligned}$$

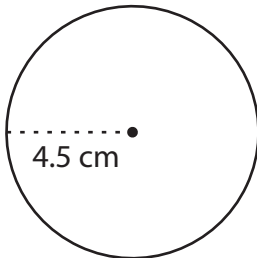
Example 2



$$\begin{aligned} \text{Diameter (d)} &= 2 \times \text{Radius (r)} \\ \text{Circumference of circle} &= 2\pi r \text{ or } \pi d \\ \text{diameter} &= 6 \text{ cm} \\ \text{Circumference} &= \pi \times d \\ &= 3.14 \times 6 \\ &= \mathbf{18.84 \text{ cm}} \end{aligned}$$

Find the circumference and radius/diameter of each circle (Use $\pi = \frac{22}{7}$ or 3.14). Round the answer to the two decimal places.

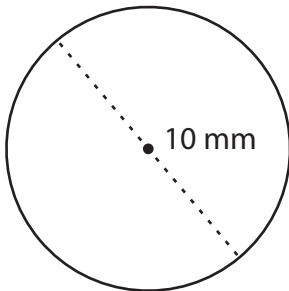
1)



Diameter = cm

Circumference = cm

2)



Radius = mm

Circumference = mm

3) Radius = 8.5 m

Diameter = m

Circumference = m

4) Diameter = 21 mm

Radius = mm

Circumference = mm

5) Radius = 2 cm

Diameter = cm

Circumference = cm

6) Diameter = 5.6 m

Radius = m

Circumference = m

7) The radius of the compact disc is 6 cm. What will be the diameter and the circumference of the compact disc. Round the answer to the two decimal places.

Diameter = m

Circumference = m

