



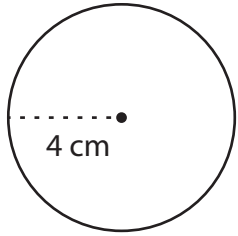
# Circumference of circles

Name \_\_\_\_\_

Score \_\_\_\_\_

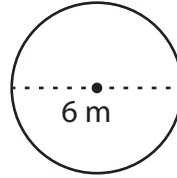
CC:05

Example 1: Find the circumference of the circle.



$$\begin{aligned} \text{Circumference of circle} &= 2\pi r \\ \text{Radius } (r) &= 4 \text{ yd} \\ \text{Circumference} &= 2 \times \pi \times 4 \\ &= \mathbf{8\pi \text{ cm}} \end{aligned}$$

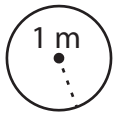
Example 2: Find the circumference of the circle.



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

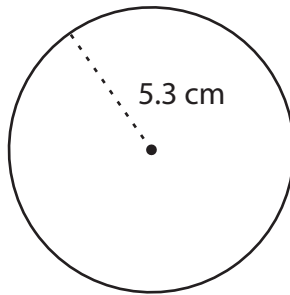
Find the circumference of each circle.

1)



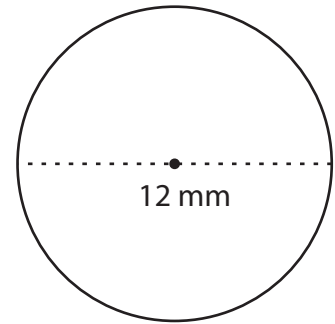
Circumference =

2)



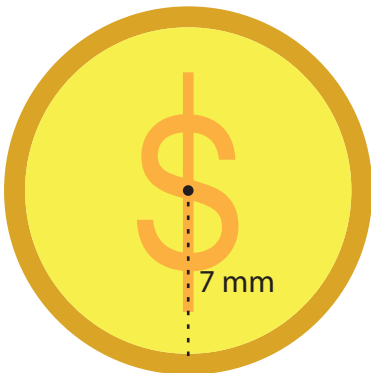
Circumference =

3)



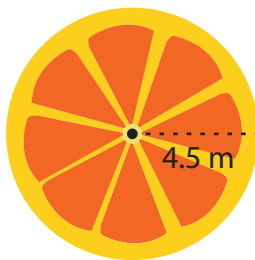
Circumference =

4)



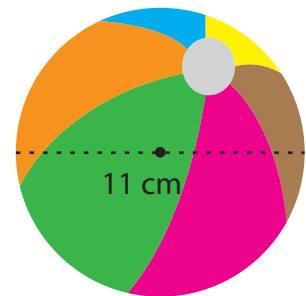
Circumference =

5)



Circumference =

6)



Circumference =

Find the circumference of each circle when the

1) diameter is 10 m

2) radius is 5.5 mm

3) radius is 8 cm

Circumference =

Circumference =

Circumference =



# Circumference of circles

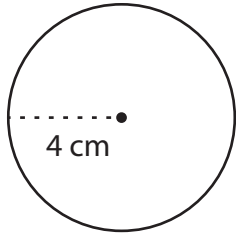
Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

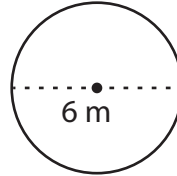
CC:05

Example 1: Find the circumference of the circle.



$$\begin{aligned} \text{Circumference of circle} &= 2\pi r \\ \text{Radius } (r) &= 4 \text{ yd} \\ \text{Circumference} &= 2 \times \pi \times 4 \\ &= \mathbf{8\pi \text{ cm}} \end{aligned}$$

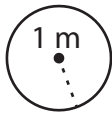
Example 2: Find the circumference of the circle.



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

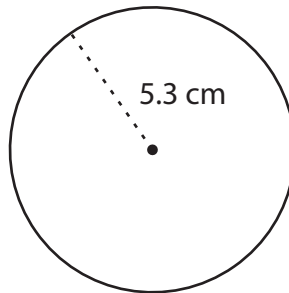
Find the circumference of each circle.

1)



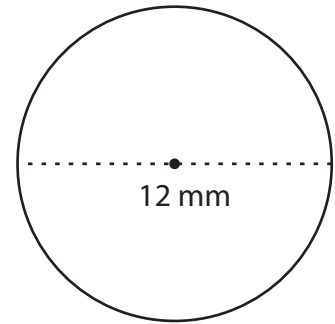
Circumference =  $\mathbf{2\pi \text{ m}}$

2)



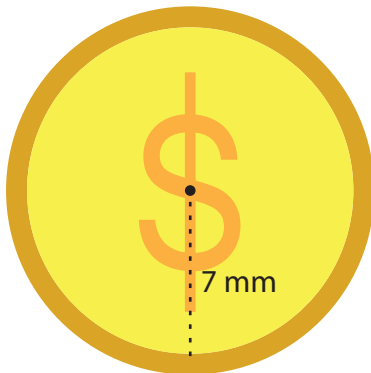
Circumference =  $\mathbf{10.6\pi \text{ cm}}$

3)



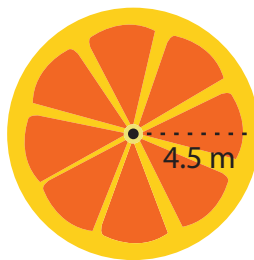
Circumference =  $\mathbf{12\pi \text{ mm}}$

4)



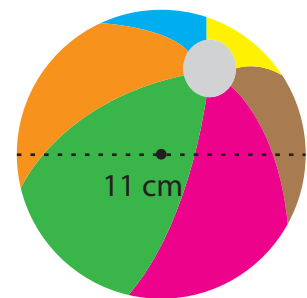
Circumference =  $\mathbf{14\pi \text{ mm}}$

5)



Circumference =  $\mathbf{9\pi \text{ m}}$

6)



Circumference =  $\mathbf{11\pi \text{ cm}}$

Find the circumference of each circle when the

1) diameter is 10 m

Circumference =  $\mathbf{10\pi \text{ m}}$

2) radius is 5.5 mm

Circumference =  $\mathbf{11\pi \text{ mm}}$

3) radius is 8 cm

Circumference =  $\mathbf{16\pi \text{ cm}}$