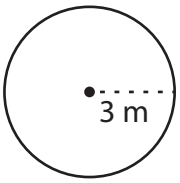
# Circumference of circles

Name _____

Score _____

CC:04

Example 1: Find the circumference of the circle.



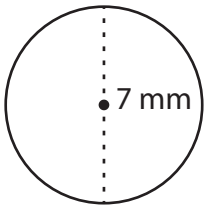

Circumference of circle = $2\pi r$

Radius (r) = 3 m

Circumference $= 2 \times \pi \times 3$

**$= 6\,\pi$ m**

Example 2: Find the circumference of the circle.




Diameter (d) = 2 × Radius (r)

Circumference of circle = $2\pi r$ or $\pi d$

diameter = 7 mm

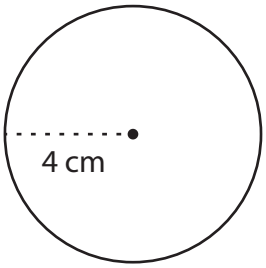
Circumference $= \pi \times d$

$= \pi \times 7$

**$= 7\,\pi$ mm**

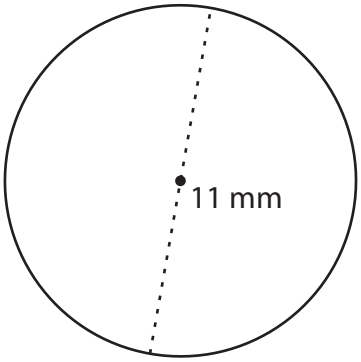
Find the circumference of each circle.

1)



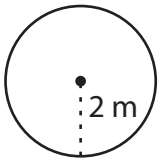

Circumference = _____

2)



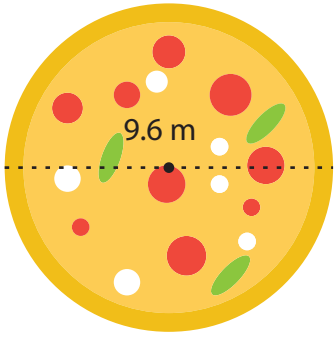

Circumference = _____

3)



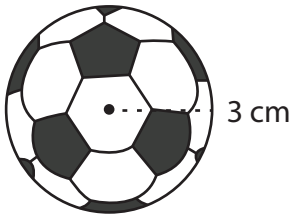

Circumference = _____

4)



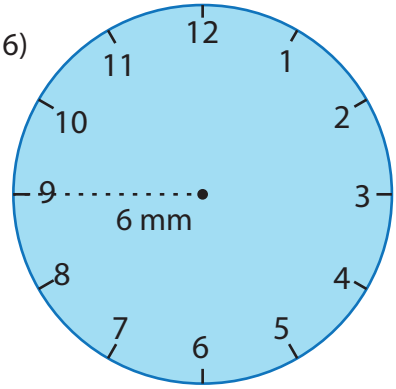

Circumference = _____

5)




Circumference = _____

6)




Circumference = _____

Find the circumference of each circle when the

1) radius is 7.5 mm

Circumference = _____

2) radius is 3 cm

Circumference = _____

3) diameter is 11 m

Circumference = _____

# Circumference of circles

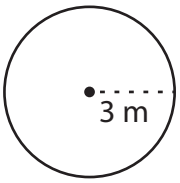
Name _____

Score _____

**Answer key**

CC:04

Example 1: Find the circumference of the circle.



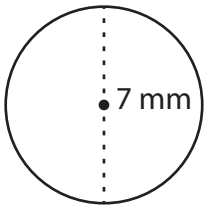

Circumference of circle = $2\pi r$

Radius (r) = 3 m

Circumference $= 2 \times \pi \times 3$

$= \mathbf{6\pi}$ **m**

Example 2: Find the circumference of the circle.




Diameter (d) = 2 × Radius (r)

Circumference of circle = $2\pi r$ or $\pi d$

diameter = 7 mm

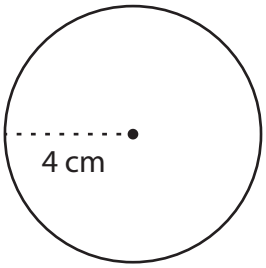
Circumference $= \pi \times d$

$= \pi \times 7$

$= \mathbf{7\pi}$ **mm**

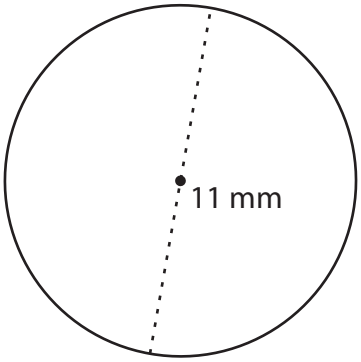
Find the circumference of each circle.

1)



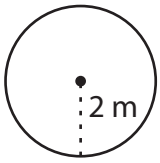

Circumference = **8π cm**

2)



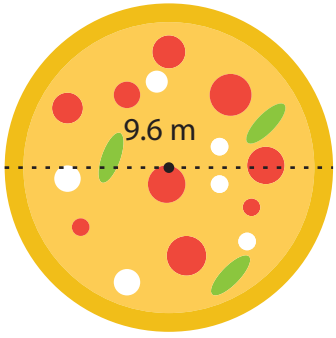

Circumference = **11π mm**

3)



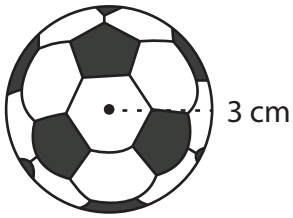

Circumference = **4π m**

4)



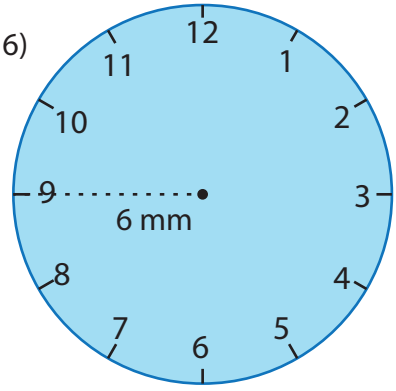

Circumference = **9.6π m**

5)




Circumference = **6π cm**

6)




Circumference = **12π mm**

Find the circumference of each circle when the

1) radius is 7.5 mm

Circumference = **15π mm**

2) radius is 3 cm

Circumference = **6π cm**

3) diameter is 11 m

Circumference = **11π m**