



Circumference of circles

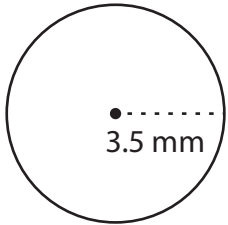
Name _____

Score _____

CC:11

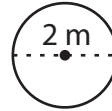
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



Circumference of circle = $2\pi r$
 Radius (r) = 3.5 mm
 Circumference = $2 \times 3.14 \times 3.5$
 = **21.98 mm**

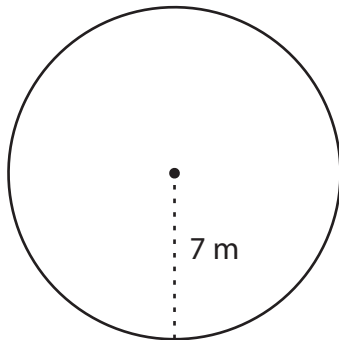
Example 2



Diameter (d) = $2 \times$ Radius (r)
 Circumference of circle = $2\pi r$ or πd
 diameter = 2 m
 Circumference = $\pi \times d$
 = 3.14×2
 = **6.28 m**

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.

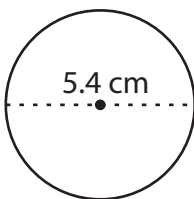
1)



Diameter = m

Circumference = m

2)



Radius = cm

Circumference = cm

3) Radius = 4 cm

Diameter = cm

Circumference = cm

4) Radius = 10 m

Diameter = m

Circumference = m

5) Diameter = 11.8 mm

Radius = mm

Circumference = mm

6) Diameter = 15 cm

Radius = cm

Circumference = cm

7) The radius of the button is 1.3 mm. What will be the diameter and the circumference of the button. Round the answer to the two decimal places.

Diameter = mm

Circumference = mm





Circumference of circles

Name _____

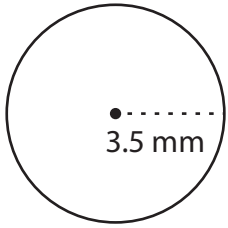
Score _____

Answer key

CC:11

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

Example 1

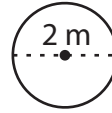


Circumference of circle = $2\pi r$

Radius (r) = 3.5 mm

Circumference = $2 \times 3.14 \times 3.5$
= 21.98 mm

Example 2



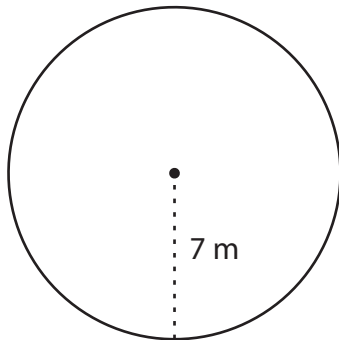
Diameter (d) = $2 \times$ Radius (r)

Circumference of circle = $2\pi r$ or πd
diameter = 2 m

Circumference = $\pi \times d$
 $= 3.14 \times 2$
= 6.28 m

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.

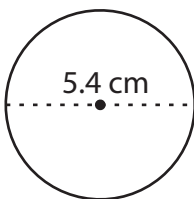
1)



Diameter = **14** m

Circumference = **43.96** m

2)



Radius = **2.7** cm

Circumference = **16.96** cm

3) Radius = 4 cm

Diameter = **8** cm

Circumference = **25.12** cm

4) Radius = 10 m

Diameter = **20** m

Circumference = **62.8** m

5) Diameter = 11.8 mm

Radius = **5.9** mm

Circumference = **37.05** mm

6) Diameter = 15 cm

Radius = **7.5** cm

Circumference = **47.1** cm

7) The radius of the button is 1.3 mm. What will be the diameter and the circumference of the button. Round the answer to the two decimal places.

Diameter = **2.6** mm

Circumference = **8.16** mm

