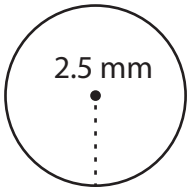
Circumference of circles

Name _____

Score _____

CC:06

Example 1: Find the circumference of the circle.



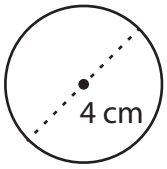
Circumference of circle = $2\pi r$

Radius (r) = 2.5 mm

Circumference $= 2 \times \pi \times 2.5$

$= 5\,\pi$ mm

Example 2: Find the circumference of the circle.



Diameter (d) = 2 × Radius (r)

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

diameter = 4 cm

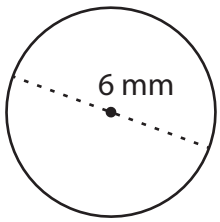
Circumference $= \pi \times d$

$= \pi \times 4$

$= 4\,\pi$ cm

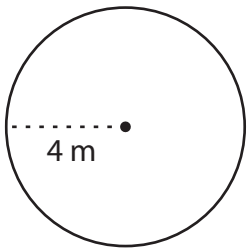
Find the circumference of each circle.

1)



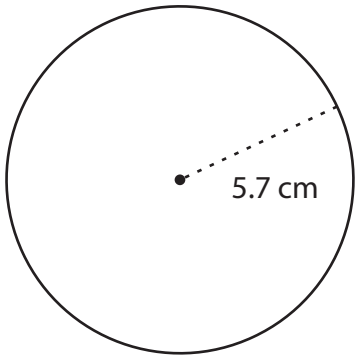
Circumference =

2)



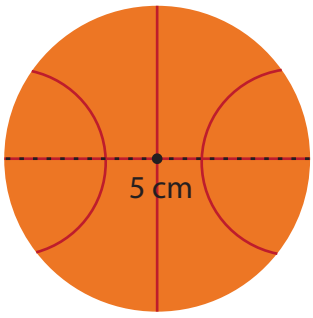
Circumference =

3)



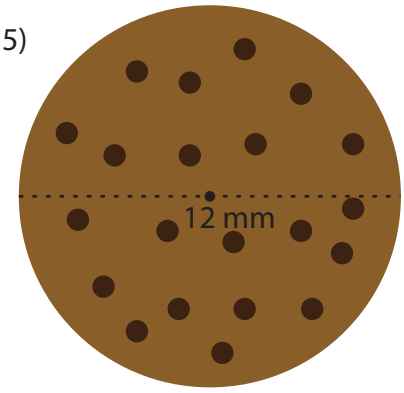
Circumference =

4)



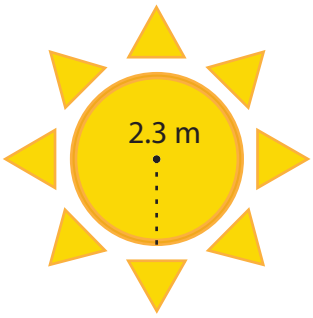
Circumference =

5)



Circumference =

6)



Circumference =

Find the circumference of each circle when the

1) radius is 9 cm

Circumference =

2) diameter is 20 m

Circumference =

3) radius is 4.2 mm

Circumference =

Circumference of circles

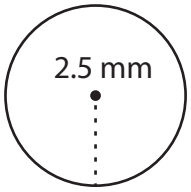
Name _____

Score _____

Answer key

CC:06

Example 1: Find the circumference of the circle.



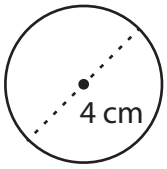
Circumference of circle = 2πr

Radius (r) = 2.5 mm

Circumference = 2 × π × 2.5

= 5 π mm

Example 2: Find the circumference of the circle.



Diameter (d) = 2 × Radius (r)

Circumference of circle = 2πr or πd

diameter = 4 cm

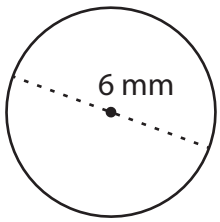
Circumference = π × d

= π × 4

= 4 π cm

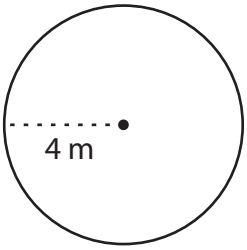
Find the circumference of each circle.

1)



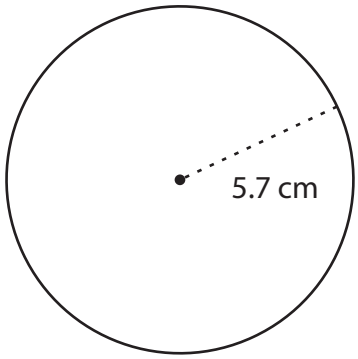
Circumference = **6π mm**

2)



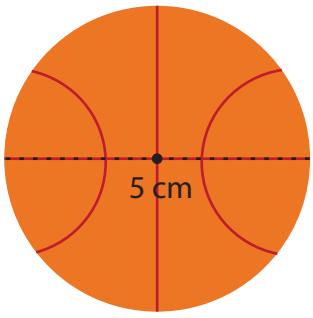
Circumference = **8π m**

3)



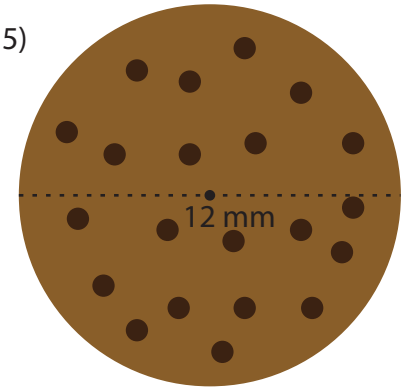
Circumference = **11.4π cm**

4)



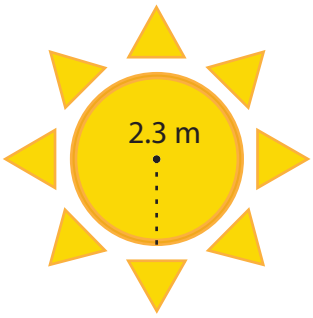
Circumference = **5π cm**

5)



Circumference = **12π mm**

6)



Circumference = **4.6π m**

Find the circumference of each circle when the

1) radius is 9 cm

Circumference = **18π cm**

2) diameter is 20 m

Circumference = **20π m**

3) radius is 4.2 mm

Circumference = **8.4π mm**