



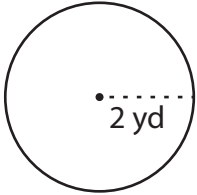
Circumference of circles

Name _____

Score _____

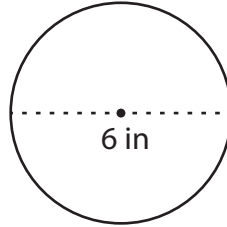
CC:01

Example 1: Find the circumference of the circle.



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

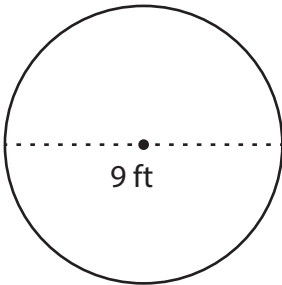
Example 2: Find the circumference of the circle.



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

Find the circumference of each circle.

1)



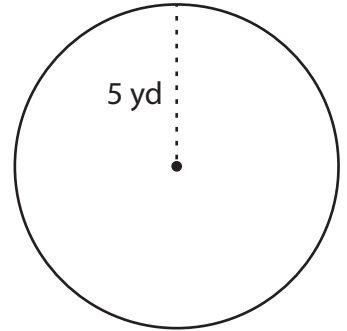
Circumference = _____

2)



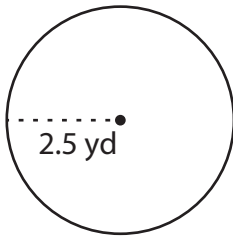
Circumference = _____

3)



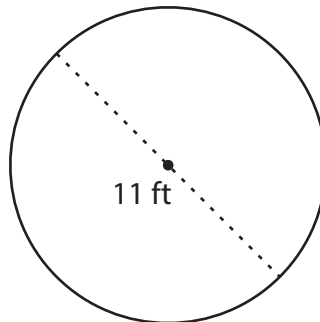
Circumference = _____

4)



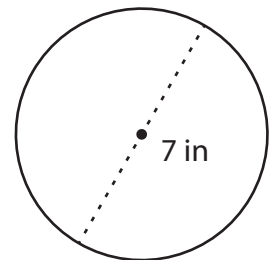
Circumference = _____

5)



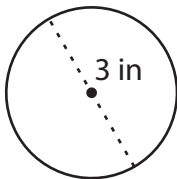
Circumference = _____

6)



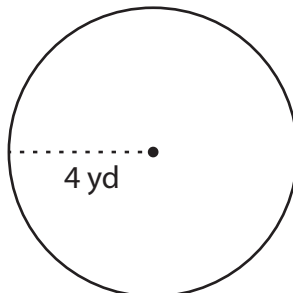
Circumference = _____

7)



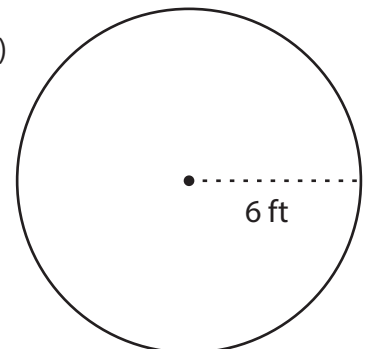
Circumference = _____

8)



Circumference = _____

9)



Circumference = _____



Circumference of circles

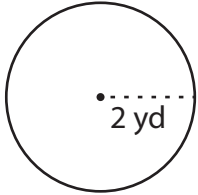
Name _____

Score _____

Answer key

CC:01

Example 1: Find the circumference of the circle.

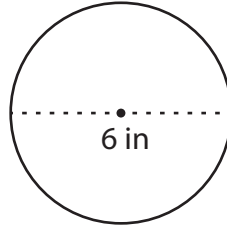


$$\text{Circumference of circle} = 2\pi r$$

$$\text{Radius (r)} = 2 \text{ yd}$$

$$\begin{aligned} \text{Circumference} &= 2 \times \pi \times 2 \\ &= 4\pi \text{ yd} \end{aligned}$$

Example 2: Find the circumference of the circle.



$$\text{Diameter (d)} = 2 \times \text{Radius (r)}$$

$$\text{Circumference of circle} = 2\pi r \text{ or } \pi d$$

$$\text{diameter} = 6 \text{ in}$$

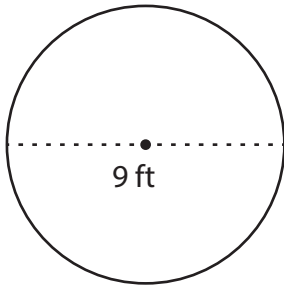
$$\text{Circumference} = \pi \times d$$

$$= \pi \times 6$$

$$= 6\pi \text{ in}$$

Find the circumference of each circle.

1)



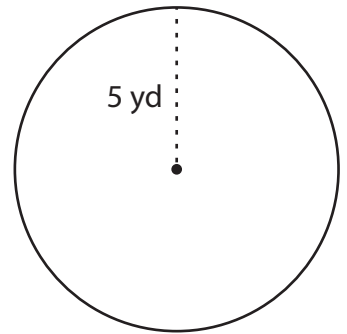
$$\text{Circumference} = \underline{9\pi \text{ ft}}$$

2)



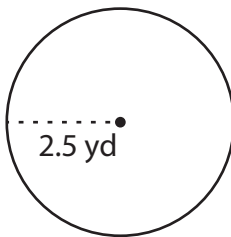
$$\text{Circumference} = \underline{2\pi \text{ in}}$$

3)



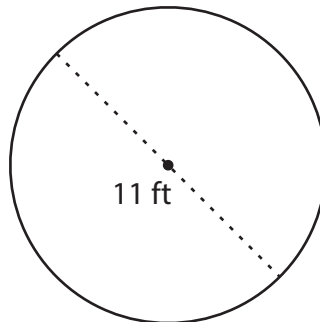
$$\text{Circumference} = \underline{10\pi \text{ yd}}$$

4)



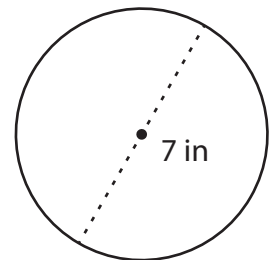
$$\text{Circumference} = \underline{5\pi \text{ yd}}$$

5)



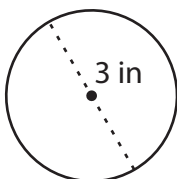
$$\text{Circumference} = \underline{11\pi \text{ ft}}$$

6)



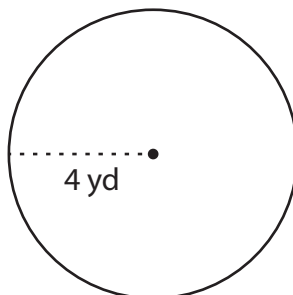
$$\text{Circumference} = \underline{7\pi \text{ in}}$$

7)



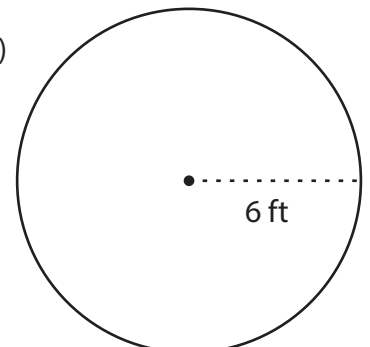
$$\text{Circumference} = \underline{3\pi \text{ in}}$$

8)



$$\text{Circumference} = \underline{8\pi \text{ yd}}$$

9)



$$\text{Circumference} = \underline{12\pi \text{ ft}}$$