



Circumference of circles

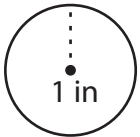
Name _____

Score _____

CC:08

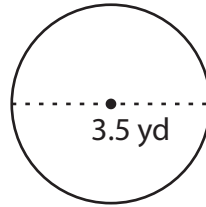
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



$$\begin{aligned} \text{Circumference of circle} &= 2\pi r \\ \text{Radius (r)} &= 1 \text{ in} \\ \text{Circumference} &= 2 \times 3.14 \times 1 \\ &= \mathbf{6.28 \text{ in}} \end{aligned}$$

Example 2



$$\begin{aligned} \text{Diameter (d)} &= 2 \times \text{Radius (r)} \\ \text{Circumference of circle} &= 2\pi r \text{ or } \pi d \\ \text{diameter} &= 3.5 \text{ yd} \\ \text{Circumference} &= \pi \times d \\ &= 3.14 \times 3.5 \\ &= \mathbf{10.99 \text{ yd}} \end{aligned}$$

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 = 13 ft

Radius = _____ ft

Circumference = _____ ft

2) Radius = 5.5 yd

Diameter = _____ yd

Circumference = _____ yd

3) Radius = 8 yd

Diameter = _____ in

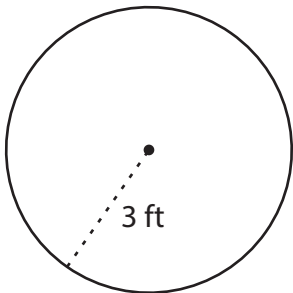
Circumference = _____ in

Complete the table.

Q.No	Radius	Diameter	Circumference
1)		14.2 in	
2)	6.5 ft		
3)		10 yd	
4)		22 in	
5)	4 ft		

Find the circumference of each circle (Use $\pi = 3.14$). Round the answer to the tenth place.

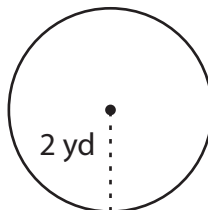
1)



Diameter = _____ ft

Circumference = _____ ft

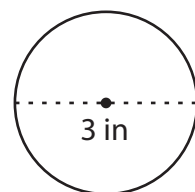
2)



Diameter = _____ yd

Circumference = _____ yd

3)



Radius = _____ in

Circumference = _____ in



Circumference of circles

Name _____

Score _____

Answer key

CC:08

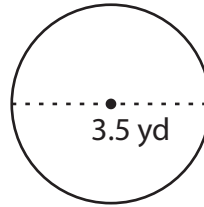
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



$$\begin{aligned} \text{Circumference of circle} &= 2\pi r \\ \text{Radius (r)} &= 1 \text{ in} \\ \text{Circumference} &= 2 \times 3.14 \times 1 \\ &= \mathbf{6.28 \text{ in}} \end{aligned}$$

Example 2



$$\begin{aligned} \text{Diameter (d)} &= 2 \times \text{Radius (r)} \\ \text{Circumference of circle} &= 2\pi r \text{ or } \pi d \\ &= \pi \times d \\ &= 3.14 \times 3.5 \\ &= \mathbf{10.99 \text{ yd}} \end{aligned}$$

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 = 13 ft

Radius = 6.5 ft

Circumference = 40.82 ft

2) Radius = 5.5 yd

Diameter = 11 yd

Circumference = 34.54 yd

3) Radius = 8 yd

Diameter = 16 in

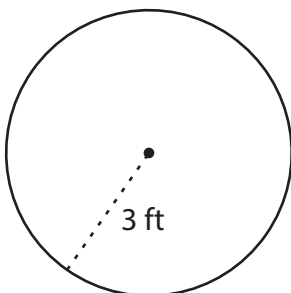
Circumference = 50.24 in

Complete the table.

Q.No	Radius	Diameter	Circumference
1)	7.1 in	14.2 in	44.59 in
2)	6.5 ft	13 ft	40.82 ft
3)	5 yd	10 yd	31.4 yd
4)	11 in	22 in	69.08 in
5)	4 ft	8 ft	25.12 ft

Find the circumference of each circle (Use $\pi = 3.14$). Round the answer to the tenth place.

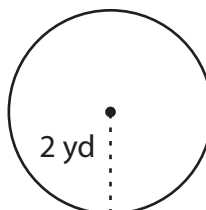
1)



Diameter = 6 ft

Circumference = 18.84 ft

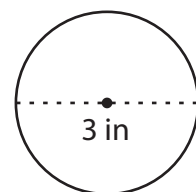
2)



Diameter = 4 yd

Circumference = 12.56 yd

3)



Radius = 1.5 in

Circumference = 9.42 in