



Circumference of circles

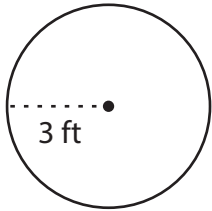
Name _____

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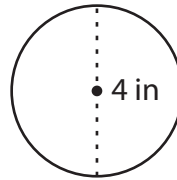
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



$$\begin{aligned} \text{Circumference of circle} &= 2\pi r \\ \text{Radius } (r) &= 3 \text{ ft} \\ \text{Circumference} &= 2 \times 3.14 \times 3 \\ &= \mathbf{18.84 \text{ ft}} \end{aligned}$$

Example 2



$$\begin{aligned} \text{Diameter } (d) &= 2 \times \text{Radius } (r) \\ \text{Circumference of circle} &= 2\pi r \text{ or } \pi d \\ \text{diameter} &= 4 \text{ in} \\ \text{Circumference} &= \pi \times d \\ &= 3.14 \times 4 \\ &= \mathbf{12.56 \text{ in}} \end{aligned}$$

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) Radius = 7 yd

Diameter = _____ yd

Circumference = _____ yd

2) Diameter = 8.4 in

Radius = _____ in

Circumference = _____ in

3) Radius = 3.5 ft

Diameter = _____ ft

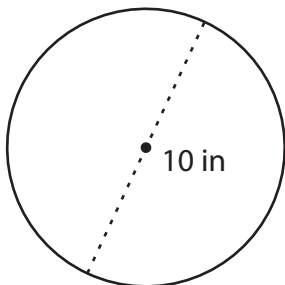
Circumference = _____ ft

Complete the table.

Q.No	Radius	Diameter	Circumference
1)	6 ft		
2)		4.2 yd	
3)	9 in		
4)	4.5 ft		
5)		20 in	

Find the circumference of each circle (Use $\pi = 3.14$). Round the answer to the two decimal places.

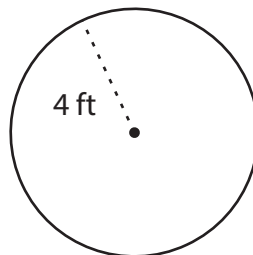
1)



Radius = _____ in

Circumference = _____ in

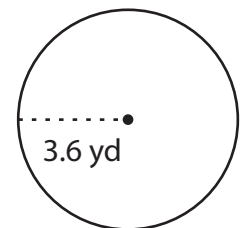
2)



Diameter = _____ ft

Circumference = _____ ft

3)



Diameter = _____ yd

Circumference = _____ yd



Circumference of circles

Name _____

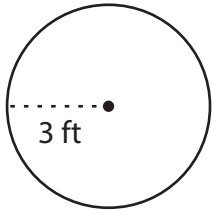
Score _____

Answer key

CC:07

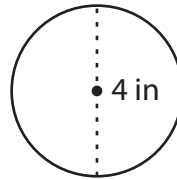
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1



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Example 2



$$\begin{aligned} \text{Diameter (d)} &= 2 \times \text{Radius (r)} \\ \text{Circumference of circle} &= 2\pi r \text{ or } \pi d \\ \text{diameter} &= 4 \text{ in} \\ \text{Circumference} &= \pi \times d \\ &= 3.14 \times 4 \\ &= \mathbf{12.56 \text{ in}} \end{aligned}$$

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) Radius = 7 yd

Diameter = 14 yd

Circumference = 43.96 yd

2) Diameter = 8.4 in

Radius = 4.2 in

Circumference = 26.38 in

3) Radius = 3.5 ft

Diameter = 7 ft

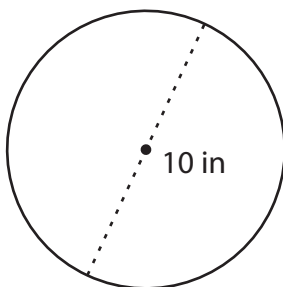
Circumference = 21.98 ft

Complete the table.

Q.No	Radius	Diameter	Circumference
1)	6 ft	12 ft	37.68 ft
2)	2.1 yd	4.2 yd	13.19 yd
3)	9 in	18 in	56.52 in
4)	4.5 ft	9 ft	28.26 ft
5)	10 in	20 in	62.8 in

Find the circumference of each circle (Use $\pi = 3.14$). Round the answer to the two decimal places.

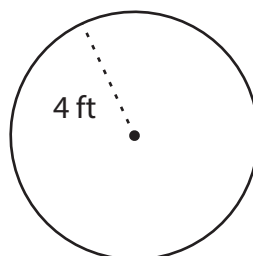
1)



Radius = 5 in

Circumference = 31.4 in

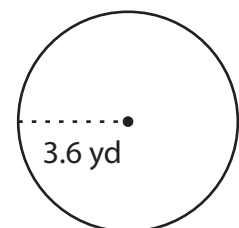
2)



Diameter = 8 ft

Circumference = 25.12 ft

3)



Diameter = 7.2 yd

Circumference = 22.61 yd