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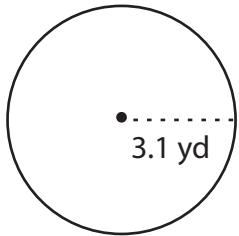
Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)

Example 1

3.1 yd

Circumference of circle = 2πr

Radius (r) = 3.1 yd

Circumference = 2 × 3.14 × 3.1

= 19.47 yd

Example 2

5 ft

Diameter (d) = 2 × Radius (r)

Circumference of circle = 2πr or πd

diameter = 5 ft

Circumference = π × d

= π × 5

= 15.7 ft

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 = 4.9 yd

   Diameter = _____ in

   Circumference = _____ in

2)   Radius = 14 yd

   Diameter = _____ ft

   Circumference = _____ ft

3)   Diameter = 19 yd

   Radius = _____ yd

   Circumference = _____ yd

Complete the table.

Q.No	Radius	Diameter	Circumference
1)	2.5 yd		
2)	13 in		
3)		3.4 ft	
4)		16 ft	
5)	3 yd		

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

1)

4.5 yd

Diameter = _____ yd

Circumference = _____ yd

2)

2.6 in

Radius = _____ in

Circumference = _____ in

3)

5 ft

Diameter = _____ ft

Circumference = _____ ft

Circumference of circles

Name _____

Score _____

Answer key

CC:09

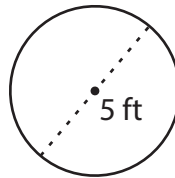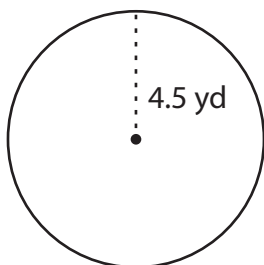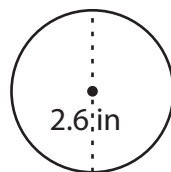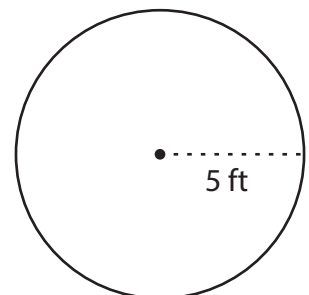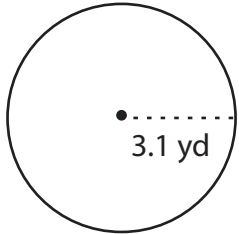Find the circumference of the circle. (Use $\pi = \frac{22}{7}$ or 3.14)
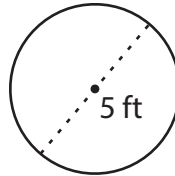
Example 1

3.1 yd

Circumference of circle = 2πr

Radius (r) = 3.1 yd

Circumference = 2 × 3.14 × 3.1

= 19.47 yd

Example 2

5 ft

Diameter (d) = 2 × Radius (r)

Circumference of circle = 2πr or πd

diameter = 5 ft

Circumference = π × d

= π × 5

= 15.7 ft

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 = 4.9 yd

   Diameter = **9.8** in

   Circumference = **30.77** in

2) Radius = 14 yd

   Diameter = **28** ft

   Circumference = **87.92** ft

3) Diameter = 19 yd

   Radius = **19** yd
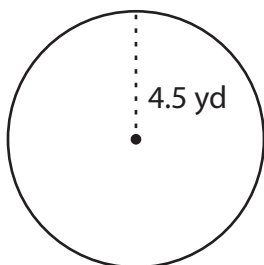
   Circumference = **59.66** yd

Complete the table.

Q.No	Radius	Diameter	Circumference
1)	2.5 yd	**5 yd**	**15.7 yd**
2)	13 in	**26 in**	**81.64 in**
3)	**1.7 ft**	3.4 ft	**10.68 ft**
4)	**8 ft**	16 ft	**50.24 ft**
5)	3 yd	**6 yd**	**18.84 yd**

Find the circumference of each circle (Use π = 3.14). Round the answer to the tenth place.
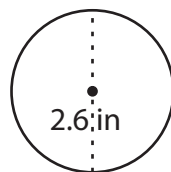
1)

4.5 yd

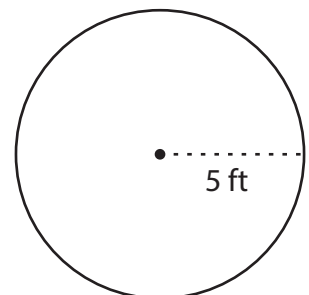Diameter = **9** yd

Circumference = **28.26** yd

2)

2.6 in

Radius = **1.3** in

Circumference = **8.16** in

3)

5 ft

Diameter = **10** ft

Circumference = **31.4** ft

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