

**Radius & Diameter**

Difficult: S1

A. Choose the correct choice.

1) A circle has a circumference of 138.16 m. What is the diameter of the circle?

- a) 22 m                      b) 44 m                      c) 88 m

2) An iron rod of length 10.38 ft is bent to form a circle. What is the radius of the circle?

- a) 1.65 ft                      b) 3.3 ft                      c) 6.6 ft

3) A circular paddy field has a circumference of 89.18 in. Find its diameter.

- a) 56.8 in                      b) 28.4 in                      c) 28.4 in

4) The tip of the minute-hand travels 103.62 mm in one hour. Find the length of the minute-hand.

- a) 33 mm                      b) 16.5 mm                      c) 18.5 mm

5) The circumference of a circular plate is 49.67 cm. Find the diameter of plate.

- a) 7.91 cm                      b) 3.14 cm                      c) 15.82 cm

B. Find the radius and diameter in each question.

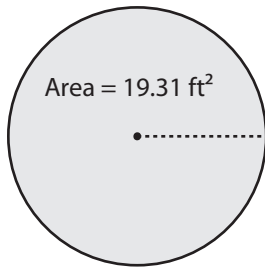
S.No	Circumference	Radius	Diameter
6.	39.94 m		
7.	77.24 ft		
8.	157 in		
9.	31.34 cm		
10.	75.36 ft		

## Circumference

Difficult: S1

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

1)

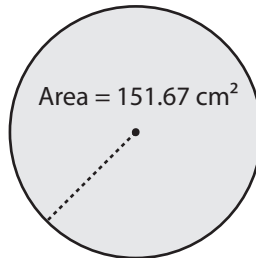


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

2)

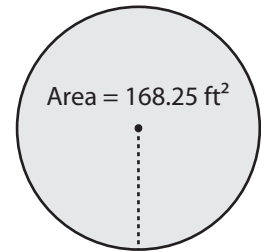


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

3)

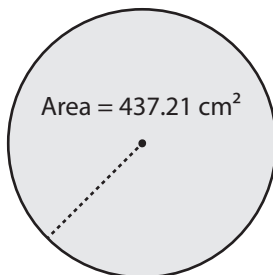


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

4)

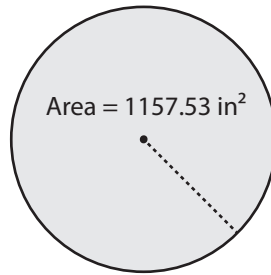


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

5)

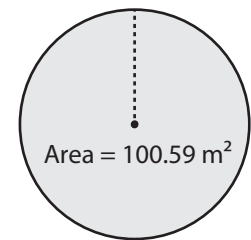


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

6)



Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

7) The area of a CD is 834.27 in<sup>2</sup>. What is the circumference of the CD?

Circumference = \_\_\_\_\_

8) If a pudding occupies the area 275.68 cm<sup>2</sup>, what will be the circumference of the pudding?

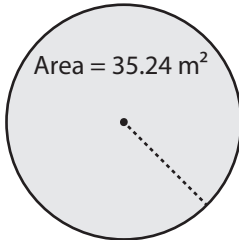
Circumference = \_\_\_\_\_

## Circumference

Difficult: S2

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

1)

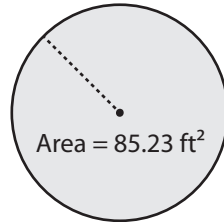


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

2)

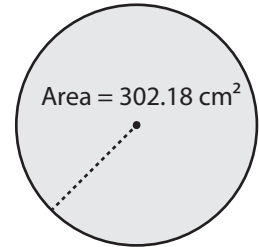


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

3)

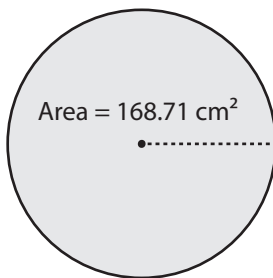


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

4)

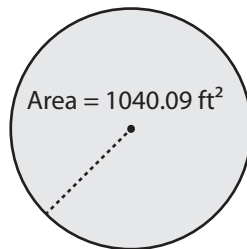


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

5)

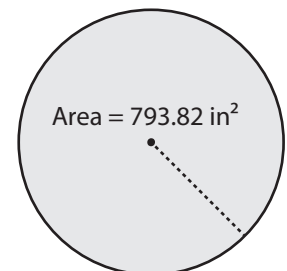


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

6)



Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

7) I have a photo in the round shape with an area of  $121.48 \text{ m}^2$ . If I want to frame it, what will be the frame length?

Circumference = \_\_\_\_\_

8) A circular dinner plate has an area of  $320.31 \text{ in}^2$ . Find the circumference of the dinner plate?

Circumference = \_\_\_\_\_

## Circumference

Difficult: S3

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

1)

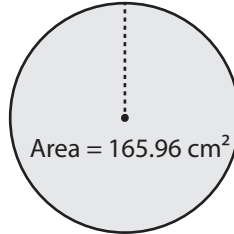


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

2)

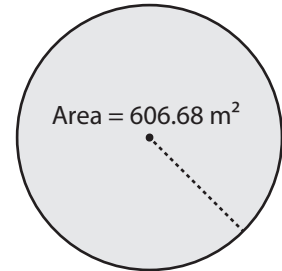


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

3)

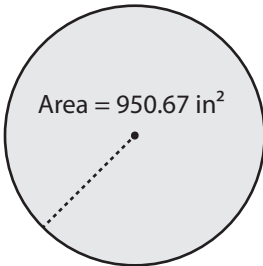


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

4)

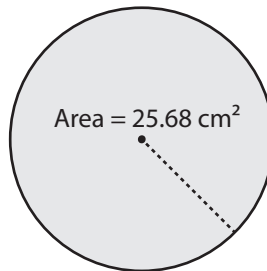


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

5)

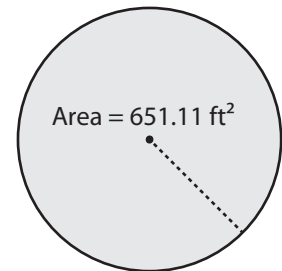


Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

6)



Radius = \_\_\_\_\_

Diameter = \_\_\_\_\_

Circumference = \_\_\_\_\_

7) The area of a circular park is  $228.47 \text{ m}^2$ . What is the circumference of a park?

Circumference = \_\_\_\_\_

8) A circular ground has an area of  $4067.36 \text{ yd}^2$ . Mark rides the bike around the corner of the ground. How far does he travel to complete a single round?

Circumference = \_\_\_\_\_

**Radius & Diameter**

Difficult: S2

A. Choose the correct choice.

1) A circular table has a circumference of 24.93 ft. Find its diameter.

- a) 7.94 ft                      b) 3.97 ft                      c) 12.46

2) A clock face has a circumference of 39.88 cm. Find the diameter of clock.

- a) 19.94 cm                      b) 6.35 cm                      c) 12.7 cm

3) The tip of the minute-hand travels 70.96 mm in one hour. Find the length of the minute-hand.

- a) 22.6 mm                      b) 11.3 mm                      c) 70.96 mm

4) A circle has a circumference of 219.8 m. What is the diameter of the circle?

- a) 35 m                              b) 70 m                              c) 30 m

5) A thread of length 52.31 cm is bent to form a circle. What is the radius of the circle?

- a) 16.66 cm                      b) 52.32 cm                      c) 8.33 cm

B. Find the radius and diameter in each question.

S.No	Circumference	Radius	Diameter
6.	86.04 ft		
7.	18.34 m		
8.	32.97 mm		
9.	45.34 in		
10.	63.43 cm		

**Radius & Diameter**

Difficult: S3

A. Choose the correct choice.

1) The circumference of a circular ground 81.01 in. Find the diameter of ground.

- a) 12.9 in                      b) 25.8 in                      c) 81.01 in

2) A circle has a circumference of 39.82 ft. What is the diameter of the circle?

- a) 19.91 ft                      b) 6.34 ft                      c) 12.68 ft

3) A wire of length 62.49 m is bent to form a circle. What is the radius of the circle?

- a) 9.95 m                      b) 19.9 m                      c) 31.24 m

4) A circular plot has a circumference of 157 ft. Find its diameter.

- a) 78 ft                      b) 25 ft                      c) 50 ft

5) The tip of the minute-hand travels 91.69 cm in one hour. Find the length of the minute-hand.

- a) 14.6 cm                      b) 45.84 cm                      c) 29.2 cm

B. Find the radius and diameter in each question.

S.No	Circumference	Radius	Diameter
6.	29.45 in		
7.	45.47 cm		
8.	70.34 ft		
9.	53 m		
10.	86.04 mm		

**Radius & Diameter**

Difficult: S1

A. Choose the correct choice.

1) A circle has a circumference of 138.16 m. What is the diameter of the circle?

- a) 22 m
- b) 44 m**
- c) 88 m

2) An iron rod of length 10.38 ft is bent to form a circle. What is the radius of the circle?

- a) 1.65 ft**
- b) 3.3 ft                      c) 6.6 ft

3) A circular paddy field has a circumference of 89.18 in. Find its diameter.

- a) 56.8 in
- b) 28.4 in**
- c) 28.4 in

4) The tip of the minute-hand travels 103.62 mm in one hour. Find the length of the minute-hand.

- a) 33 mm
- b) 16.5 mm**
- c) 18.5 mm

5) The circumference of a circular plate is 49.67 cm. Find the diameter of plate.

- a) 7.91 cm                      b) 3.14 cm
- c) 15.82 cm**

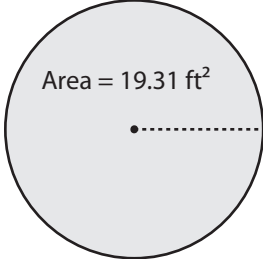
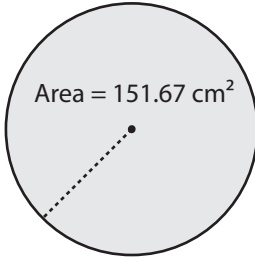
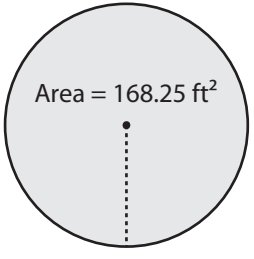
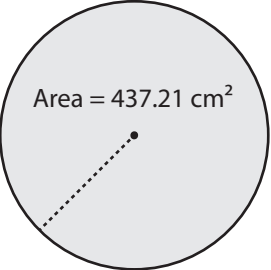
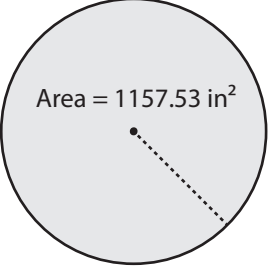
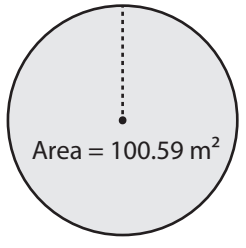
B. Find the radius and diameter in each question.

S.No	Circumference	Radius	Diameter
6.	39.94 m	<b>6.36 m</b>	<b>12.72 m</b>
7.	77.24 ft	<b>12.3 ft</b>	<b>24.6 ft</b>
8.	157 in	<b>25 in</b>	<b>50 in</b>
9.	31.34 cm	<b>4.99 cm</b>	<b>9.98 cm</b>
10.	75.36 ft	<b>12 ft</b>	<b>24 ft</b>

**Answer Key****Circumference**

Difficult: S1

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

- 1)  Area = 19.31 ft<sup>2</sup>  
 Radius = 2.48 ft  
 Diameter = 4.96 ft  
 Circumference = 15.57 ft
- 2)  Area = 151.67 cm<sup>2</sup>  
 Radius = 6.95 cm  
 Diameter = 13.9 cm  
 Circumference = 43.65 cm
- 3)  Area = 168.25 ft<sup>2</sup>  
 Radius = 7.32 ft  
 Diameter = 14.64 ft  
 Circumference = 45.97 ft
- 4)  Area = 437.21 cm<sup>2</sup>  
 Radius = 11.8 cm  
 Diameter = 23.6 cm  
 Circumference = 74.10 cm
- 5)  Area = 1157.53 in<sup>2</sup>  
 Radius = 19.2 in  
 Diameter = 38.4 in  
 Circumference = 120.58 in
- 6)  Area = 100.59 m<sup>2</sup>  
 Radius = 5.66 m  
 Diameter = 11.32 m  
 Circumference = 35.54 m

7) The area of a CD is 834.27 in<sup>2</sup>. What is the circumference of the CD?Circumference = 102.36 in8) If a pudding occupies the area 275.68 cm<sup>2</sup>, what will be the circumference of the pudding?Circumference = 58.84 cm

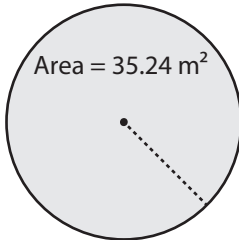


**Circumference**

Difficult: S2

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

1)

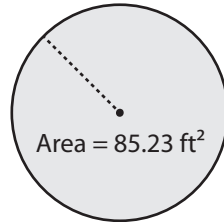


Radius = **3.35 m**

Diameter = **6.7 m**

Circumference = **21.04 m**

2)

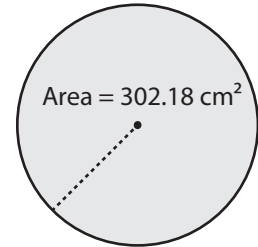


Radius = **5.21 ft**

Diameter = **10.42 ft**

Circumference = **32.72 ft**

3)

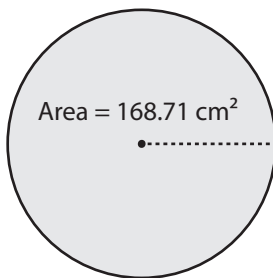


Radius = **9.81 cm**

Diameter = **19.62 cm**

Circumference = **61.61 cm**

4)

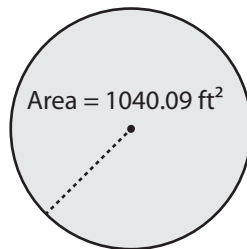


Radius = **7.33 cm**

Diameter = **14.66 cm**

Circumference = **46.03 cm**

5)



Radius = **18.2 ft**

Diameter = **36.4 ft**

Circumference = **114.30 ft**

6)



Radius = **15.9 in**

Diameter = **31.8 in**

Circumference = **99.85 in**

7) I have a photo in the round shape with an area of  $121.48 \text{ m}^2$ . If I want to frame it, what will be the frame length?

Circumference = **39.06 m**

8) A circular dinner plate has an area of  $320.31 \text{ in}^2$ . Find the circumference of the dinner plate?

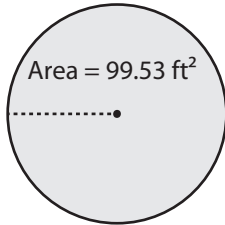
Circumference = **63.43 in**

**Circumference**

Difficult: S3

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

1)

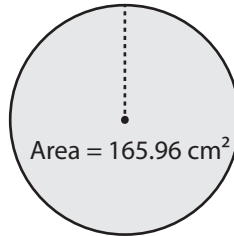


Radius = **5.63 ft**

Diameter = **11.26 ft**

Circumference = **35.36 ft**

2)

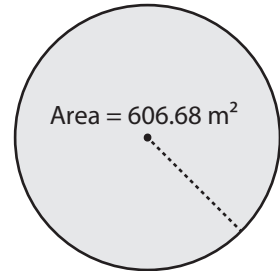


Radius = **7.27 cm**

Diameter = **14.54 cm**

Circumference = **45.66 cm**

3)

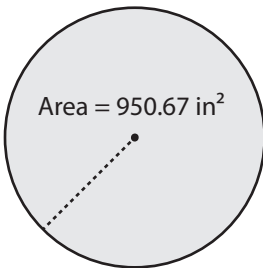


Radius = **13.9 m**

Diameter = **27.8 m**

Circumference = **87.29 m**

4)

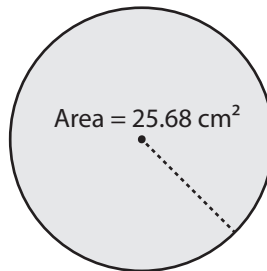


Radius = **17.4 in**

Diameter = **34.8 in**

Circumference = **109.27 in**

5)



Radius = **2.86 cm**

Diameter = **5.72 cm**

Circumference = **17.96 cm**

6)



Radius = **14.4 ft**

Diameter = **28.8 ft**

Circumference = **90.43 ft**

7) The area of a circular park is  $228.47 \text{ m}^2$ . What is the circumference of a park?

Circumference = **53.57 m**

8) A circular ground has an area of  $4067.36 \text{ yd}^2$ . Mark rides the bike around the corner of the ground. How far does he travel to complete a single round?

Circumference = **226.02 yd**

**Radius & Diameter**

Difficult: S2

A. Choose the correct choice.

1) A circular table has a circumference of 24.93 ft. Find its diameter.

- a)
- 7.94 ft**
- b) 3.97 ft                      c) 12.46

2) A clock face has a circumference of 39.88 cm. Find the diameter of clock.

- a) 19.94 cm                      b) 6.35 cm
- c) 12.7 cm**

3) The tip of the minute-hand travels 70.96 mm in one hour. Find the length of the minute-hand.

- a) 22.6 mm
- b) 11.3 mm**
- c) 70.96 mm

4) A circle has a circumference of 219.8 m. What is the diameter of the circle?

- a) 35 m
- b) 70 m**
- c) 30 m

5) A thread of length 52.31 cm is bent to form a circle. What is the radius of the circle?

- a) 16.66 cm                      b) 52.32 cm
- c) 8.33 cm**

B. Find the radius and diameter in each question.

S.No	Circumference	Radius	Diameter
6.	86.04 ft	<b>13.7 ft</b>	<b>27.4 ft</b>
7.	18.34 m	<b>2.92 m</b>	<b>5.84 m</b>
8.	32.97 mm	<b>5.25 mm</b>	<b>10.5 mm</b>
9.	45.34 in	<b>7.22 in</b>	<b>14.44 in</b>
10.	63.43 cm	<b>10.1 cm</b>	<b>20.2 cm</b>

**Radius & Diameter**

Difficult: S3

A. Choose the correct choice.

1) The circumference of a circular ground 81.01 in. Find the diameter of ground.

- a) 12.9 in
- b) 25.8 in**
- c) 81.01 in

2) A circle has a circumference of 39.82 ft. What is the diameter of the circle?

- a) 19.91 ft                      b) 6.34 ft
- c) 12.68 ft**

3) A wire of length 62.49 m is bent to form a circle. What is the radius of the circle?

- a) 9.95 m**
- b) 19.9 m                      c) 31.24 m

4) A circular plot has a circumference of 157 ft. Find its diameter.

- a) 78 ft                      b) 25 ft
- c) 50 ft**

5) The tip of the minute-hand travels 91.69 cm in one hour. Find the length of the minute-hand.

- a) 14.6 cm**
- b) 45.84 cm                      c) 29.2 cm

B. Find the radius and diameter in each question.

S.No	Circumference	Radius	Diameter
6.	29.45 in	<b>4.69 in</b>	<b>9.38 in</b>
7.	45.47 cm	<b>7.24 cm</b>	<b>14.48 cm</b>
8.	70.34 ft	<b>11.2 ft</b>	<b>22.4 ft</b>
9.	53 m	<b>8.44 m</b>	<b>16.88 m</b>
10.	86.04 mm	<b>13.7 mm</b>	<b>27.4 mm</b>