



Area and Circumference of Circles

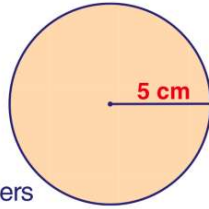
Name _____ Class _____ Date _____

1

If a circle has a **radius of 5 cm**, what is the **area**?

$$A = \pi r^2$$

- A 125 square centimeters
- B 25 square centimeters
- C 78.5 square centimeters
- D 35.28 square centimeters

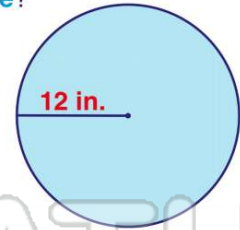


2

If the **radius is 12 inches**, what is the **circumference**?

$$C = \pi d$$

- A 144 inches
- B 452.16 inches
- C 288 inches
- D 75.36 inches

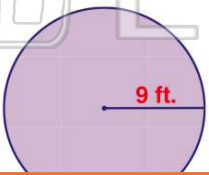


3

What is the **area** of a circle with a **radius of 9 ft.**?

$$A = \pi r^2$$

- A 56.52 square feet
- B 254.34 square feet

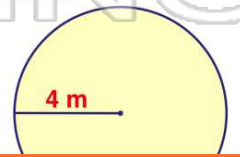


4

If the **radius is 4 m**, then the **circumference** is _____.

$$C = \pi d$$

- A 12.34 meters
- B 25.12 meters



5

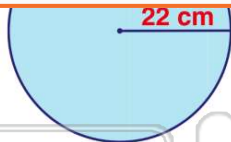


PREVIEW

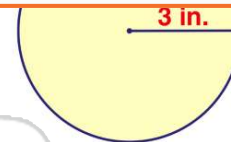
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7

- B 1,484.56
- C 136.16
- D 1,519.76



- B 28.26
- C 20.34
- D 25.14



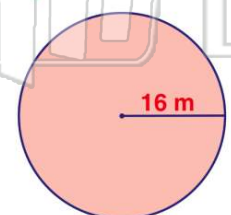
9

The **area** of a circle with a **radius of 16 m** is **803.84 square meters**.

$$A = \pi r^2$$

True or false?

- A true
- B false



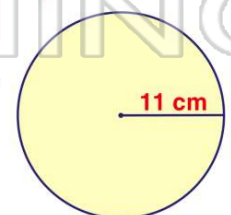
10

A circle with a **radius of 11 cm** has an **area of 333 square centimeters**.

$$A = \pi r^2$$

True or false?

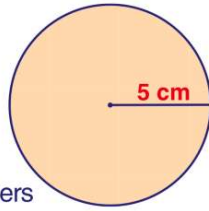
- A true
- B false





ANSWER KEY

If a circle has a **radius of 5 cm**, what is the **area**?

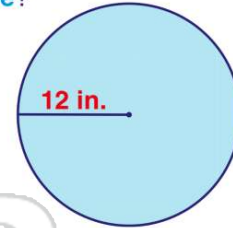


(c)

A $= \pi r^2$

- A** 125 square centimeters
- B** 25 square centimeters
- C** 78.5 square centimeters
- D** 35.28 square centimeters

If the **radius is 12 inches**, what is the **circumference**?

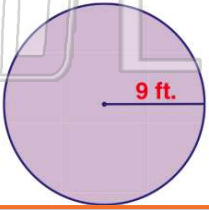


(d)

C $= \pi d$

- A** 144 inches
- B** 452.16 inches
- C** 288 inches
- D** 75.36 inches

What is the **area** of a circle with a **radius of 9 ft.**?

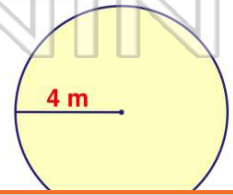


(b)

A $= \pi r^2$

- A** 56.52 square feet
- B** 254.34 square feet
- C** 19,683 square feet
- D** 81.2 square feet

If the **radius is 4 m**, then the **circumference** is _____.



(b)

C $= \pi d$

- A** 12.34 meters
- B** 25.12 meters
- C** 43.96 meters
- D** 50.24 meters



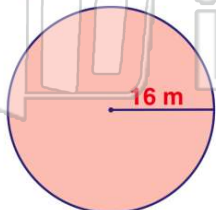
PREVIEW

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- C** 136.16
- D** 1,519.76

- C** 20.34
- D** 25.14

The **area** of a circle with a **radius of 16 m** is **803.84 square meters**.



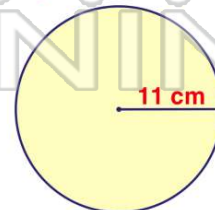
(a)

A $= \pi r^2$

True or false?

- A** true
- B** false

A circle with a **radius of 11 cm** has an **area of 333 square centimeters**.



(b)

A $= \pi r^2$

True or false?

- A** true
- B** false