



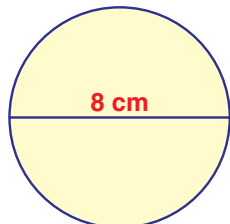
Area & Circumference of Circles

Math

Name _____ Class _____ Date _____

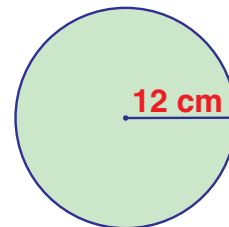
- 1 What is the **circumference** of a circle with a **diameter** of **8 centimeters**?

$$C = \pi d$$



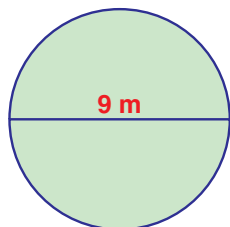
- 6 What is the **area** of a circle with a **radius** of **12 cm**?

$$A = \pi r^2$$



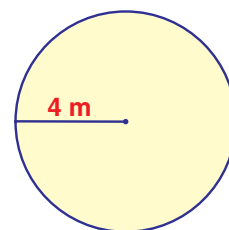
- 2 What is the **circumference** of a circle with a **diameter** of **9 meters**?

$$C = \pi d$$



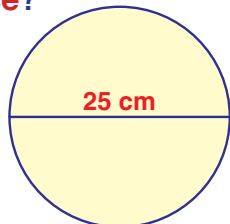
- 7 If the **radius** of a circle is **4 meters**, then the **circumference** is _____.

$$C = \pi d$$



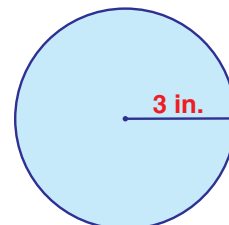
- 3 If the **diameter** of a circle is **25 cm**, what is the circle's **circumference**?

$$C = \pi d$$



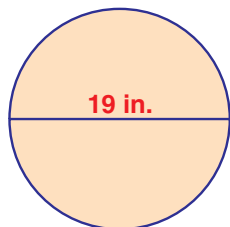
- 8 If $r = 3 \text{ in.}$, then $A =$ _____ sq. in.

$$A = \pi r^2$$



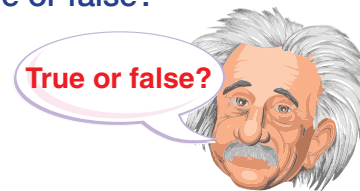
- 4 What is the **circumference** of a circle with a **diameter** of **19 inches**?

$$C = \pi d$$



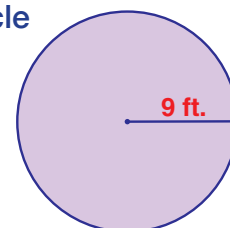
- 9 In the equation for calculating the **circumference** of a circle, the π stands for **3.14** which is the decimal fraction for **22/7**. True or false?

True or false?



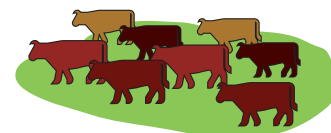
- 5 What is the **area** of a circle with a **radius** of **9 ft.**?

$$A = \pi r^2$$



- 10 A rancher needs to put a fence around his circular pasture. The pasture is **50 feet** in **diameter**. How much fencing does he need?

$$C = \pi d$$





Area & Circumference of Circles - Answer Key

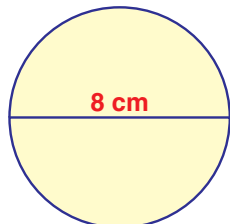
Math

Name _____ Class _____ Date _____

- 1 What is the **circumference** of a circle with a **diameter** of **8 centimeters**?

$$C = \pi d$$

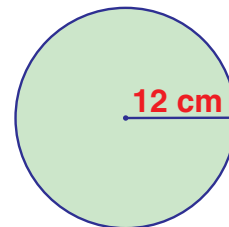
$$8 \pi = 25.12 \text{ cm}$$



- 6 What is the **area** of a circle with a **radius** of **12 cm**?

$$A = \pi r^2$$

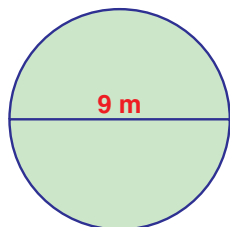
$$\pi 12^2 = 452.16 \text{ cm}^2$$



- 2 What is the **circumference** of a circle with a **diameter** of **9 meters**?

$$C = \pi d$$

$$9 \pi = 28.26 \text{ m}$$

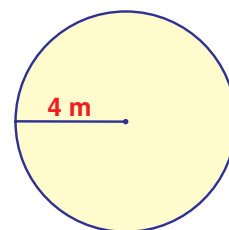


- 7 If the **radius** of a circle is **4 meters**, then the **circumference** is _____.

$$C = \pi d$$

$$d = 2r = 8$$

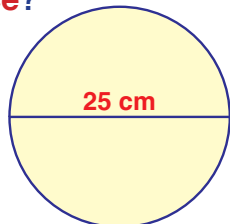
$$8 \pi = 25.12 \text{ meters}$$



- 3 If the **diameter** of a circle is **25 cm**, what is the circle's **circumference**?

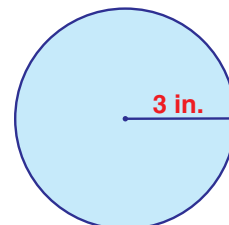
$$C = \pi d$$

$$25 \pi = 78.5 \text{ cm}$$



- 8 If $r = 3 \text{ in.}$, then $A =$
_____ sq. in.

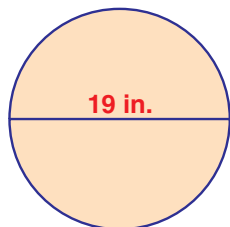
$$A = \pi r^2$$



- 4 What is the **circumference** of a circle with a **diameter** of **19 inches**?

$$C = \pi d$$

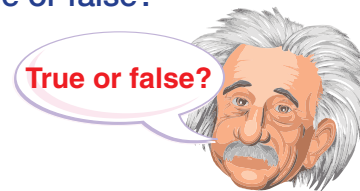
$$19 \pi = 43.88 \text{ in.}$$



- 9 In the equation for calculating the **circumference** of a circle, the π stands for **3.14** which is the decimal fraction for **22/7**. True or false?

true

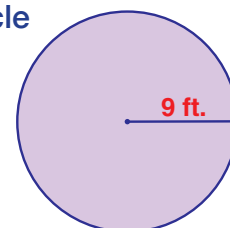
True or false?



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

$$A = \pi r^2$$

$$\pi 9^2 = 254.34 \text{ ft}^2$$



- 10 A rancher needs to put a fence around his circular pasture. The pasture is **50 feet** in **diameter**. How much fencing does he need?

$$C = \pi d$$

$$50 \pi = 157 \text{ ft.}$$

