

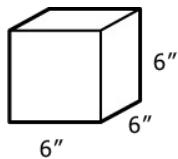
Math Measurement Geometry and Algebra 7_9

Student Name: _____

Date: _____

1.

$$\text{Volume} = L \times W \times H$$



$$V = \underline{\hspace{2cm}} \text{ in.}^3$$

2.

$$\text{Circumference} = 2\pi r$$

A circle has $r = 15$ in.

$$C = \underline{\hspace{2cm}} \text{ in.}$$

A. 260

B. 216

C. 280

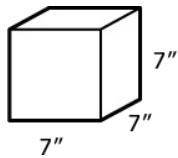
A. 20π

B. 30π

C. 18π

3.

$$\text{Volume} = L \times W \times H$$



$$V = \underline{\hspace{2cm}} \text{ in.}^3$$

4.

$$\text{Circumference} = 2\pi r$$

$$r = 20 \text{ in.}$$

$$C = \underline{\hspace{2cm}} \text{ in.}$$

A. 270

B. 617

C. 343

A. 40π

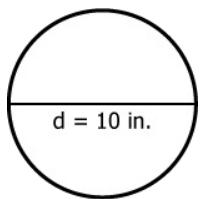
B. 18π

C. 20π

5.

$$\text{Area} = \pi r^2$$

$$r = \frac{1}{2}d$$



$$A = \underline{\hspace{2cm}} \text{ in.}^2$$

6.

$$\text{Circumference} = 2\pi r$$

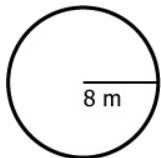
Which circle has the shortest circumference?

- A. 10π
- B. 25π
- C. 5π

- A. $r = 10$ in.
- B. $r = 3$ in.
- C. $r = 2$ in.

7.

$$\text{Circumference} = 2\pi r$$



$$C = \underline{\hspace{2cm}} \text{ m}$$

8.

$$\text{Area} = \pi r^2$$

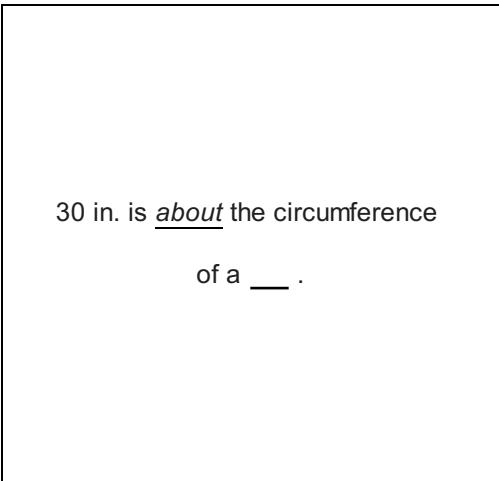
$$r = 4 \text{ in.}$$

$$A = \underline{\hspace{2cm}} \text{ in.}^2$$

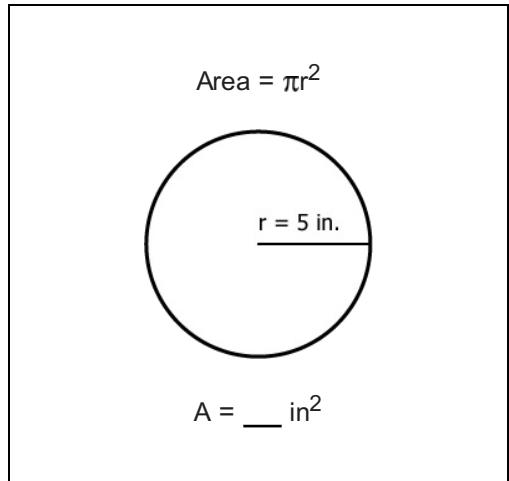
- A. 16π
- B. 64
- C. 28π

- A. 2π
- B. 16π
- C. 8π

9.



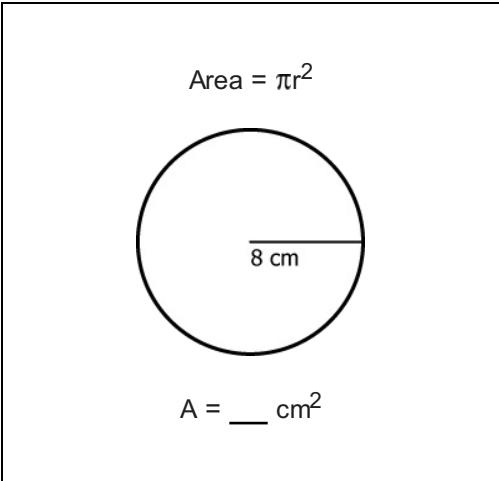
10.



- A. marble
- B. volleyball
- C. car tire

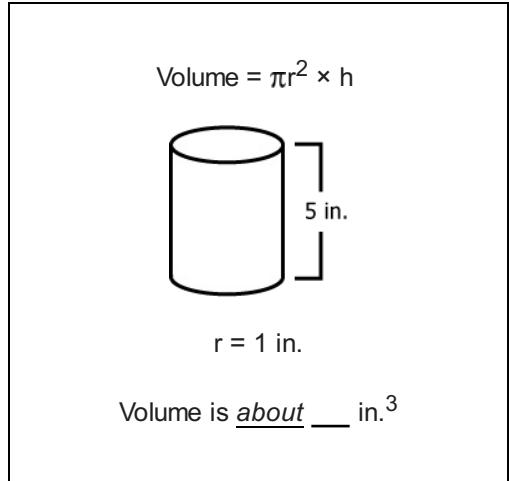
- A. 20π
- B. 25π
- C. 10π

11.



- A. 202.96
- B. 208.96
- C. 200.96

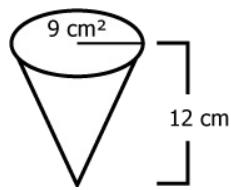
12.



- A. 30
- B. 16
- C. 20

13.

$$\text{Volume} = \frac{1}{3}(\text{area of base} \times h)$$

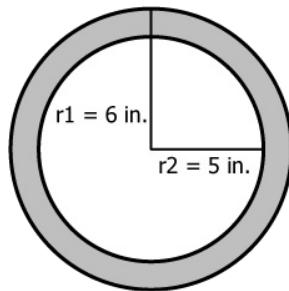


$$\text{area of base} = 9 \text{ cm}^2$$

$$V = \underline{\hspace{2cm}} \text{ cm}^3$$

14.

$$\text{Area} = \pi r^2$$



$$\text{Area of white circle} = \underline{\hspace{2cm}} \text{ in}^2$$

A. 42

B. 33

C. 36

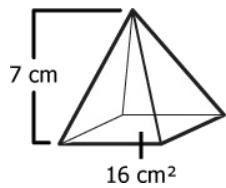
A. 10π

B. 25π

C. 20π

15.

$$\text{Volume} = \frac{1}{3} (\text{Area of Base} \times H)$$



$$V = \underline{\hspace{2cm}} \text{ cm}^3$$

16.

$$\text{Circumference} = \pi \times \text{diameter}$$

$$\text{diameter of a circle} = 2"$$

Circumference is about .

A. 35

B. 37.3

C. 36.3

A. 102"

B. 6"

C. 23"