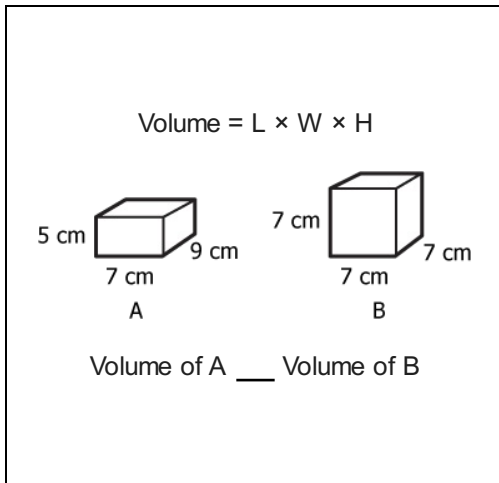


Math Measurement Geometry and Algebra 7_1

Student Name: _____

Date: _____

1.

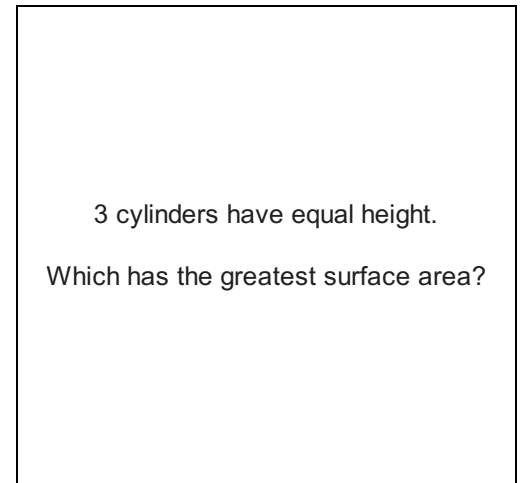


A. >

B. =

C. <

2.

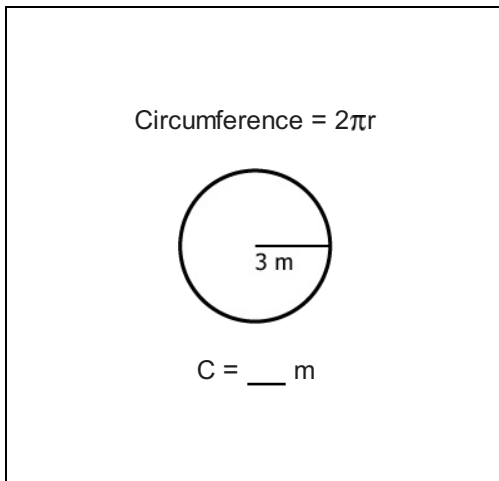


A.  area of base = $1\pi \text{ in.}^2$

B.  area of base = $6\pi \text{ in.}^2$

C.  area of base = $4\pi \text{ in.}^2$

3.

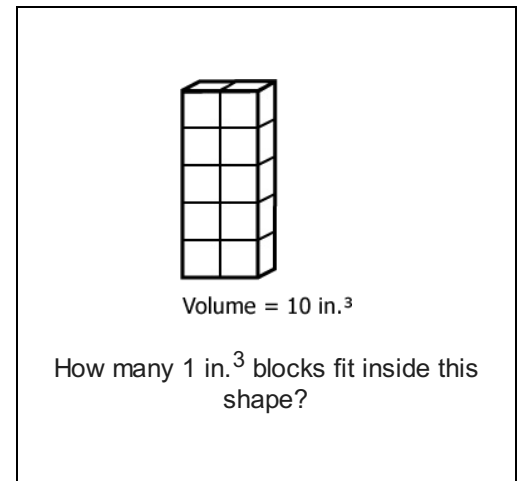


A. 23

B. 6π

C. π

4.



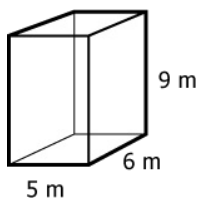
A. 11

B. 10

C. 100

5.

$$\text{Surface Area} = 2(lw + lh + wh)$$



$$\text{SA} = \underline{\hspace{1cm}} \text{ m}^2$$

- A. 270
- B. 168
- C. 258

6.

$$\text{Volume} = \text{Area of base} \times \text{Height} \div 3$$



$$\text{Area of base} = 15 \text{ in.}^2$$

$$\text{Volume} = \underline{\hspace{1cm}} \text{ in.}^3$$

- A. 20
- B. 30
- C. 60

7.

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

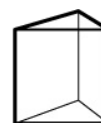
$$r = 4 \text{ in.}$$

$$C = \underline{\hspace{1cm}} \text{ in.}$$

- A. 8π
- B. 16π
- C. 6π

8.

$$\text{volume} = \text{base area} \times \text{height}$$



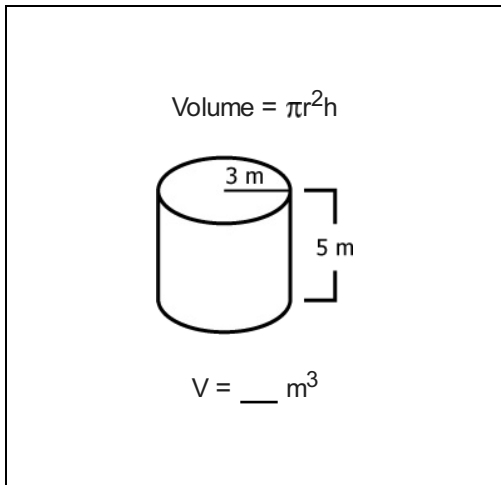
$$\text{base area} = 12 \text{ sq. in.}$$

$$\text{volume} = 48 \text{ cubic in.}$$

$$\text{height} = \underline{\hspace{1cm}} \text{ in.}$$

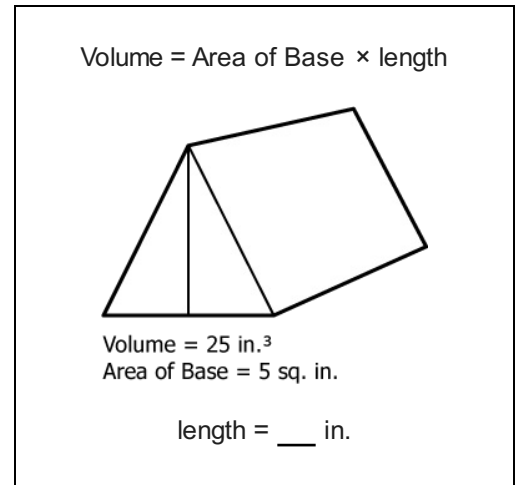
- A. 36
- B. 8
- C. 4

9.



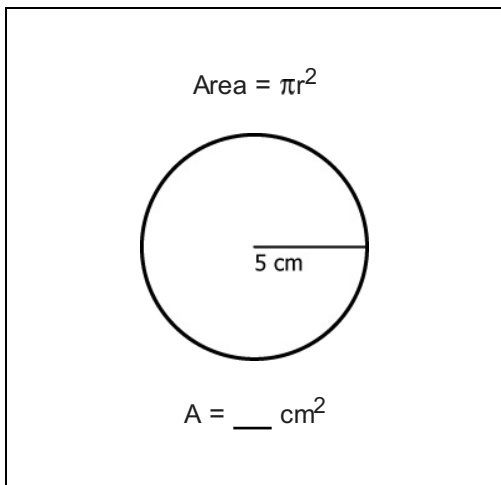
- A. 45π
- B. 95π
- C. 14π

10.



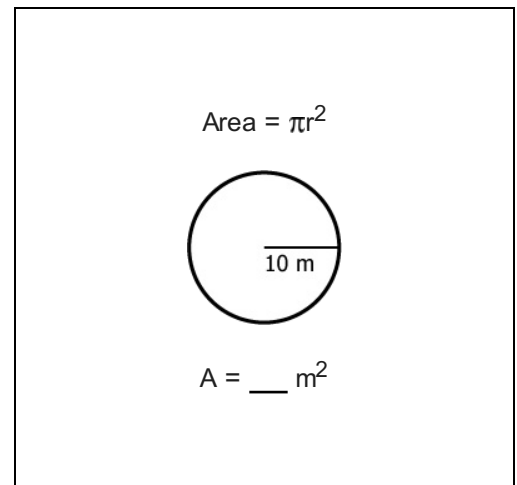
- A. 125
- B. 5
- C. 20

11.



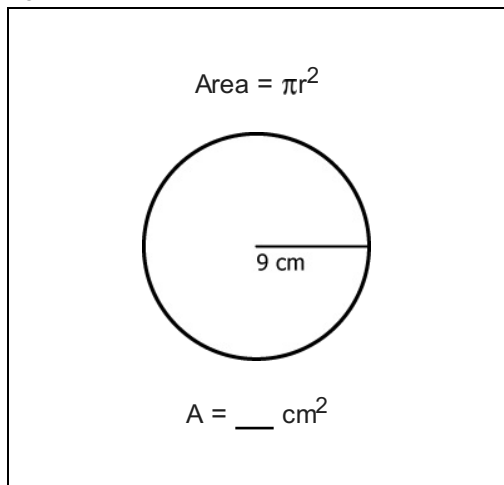
- A. 78.5
- B. 77.5
- C. 83.5

12.



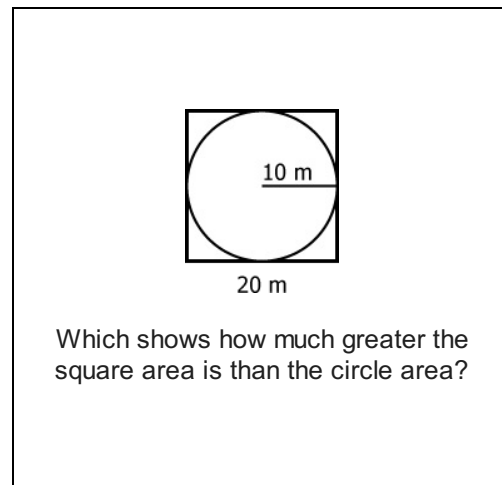
- A. $10\pi^2$
- B. 20π
- C. 100π

13.



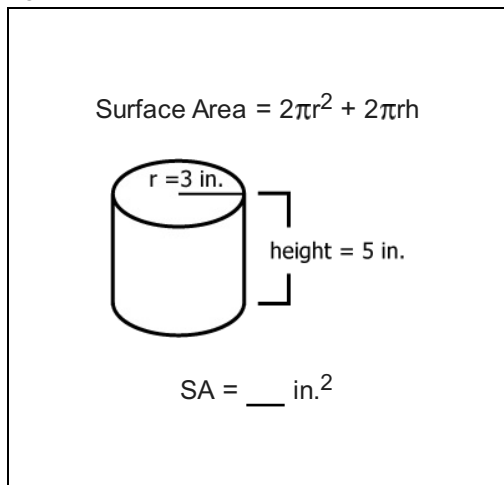
- A. 254.34
- B. 240.30
- C. 250.83

14.



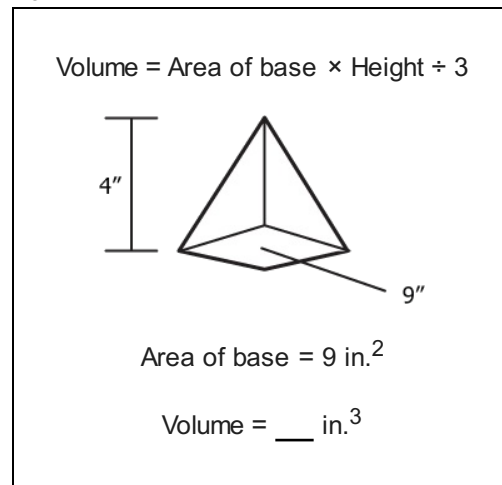
- A. $400 + 100\pi$
- B. $400 - 100\pi$
- C. $200\pi + 400$

15.



- A. 48π
- B. 24π
- C. 90π

16.



- A. 18
- B. 12
- C. 36