

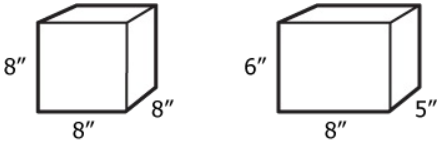
Math Measurement Geometry and Algebra 7_3

Student Name: _____

Date: _____

1.

$V = L \times W \times H$



A B

Volume of A ____ Volume of B

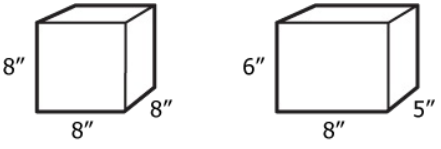
A. >

B. <

C. =

2.

Surface Area = $2(lw + lh + wh)$



A B

SA of A ____ SA of B

A. <

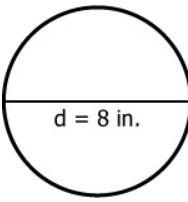
B. >

C. =

3.

Area = πr^2

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



d = 8 in.

A = ____ in.²

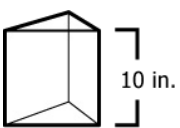
A. 8π

B. 64π

C. 16π

4.

Volume = base area $\times$ h



10 in.

Volume = 30 in.³

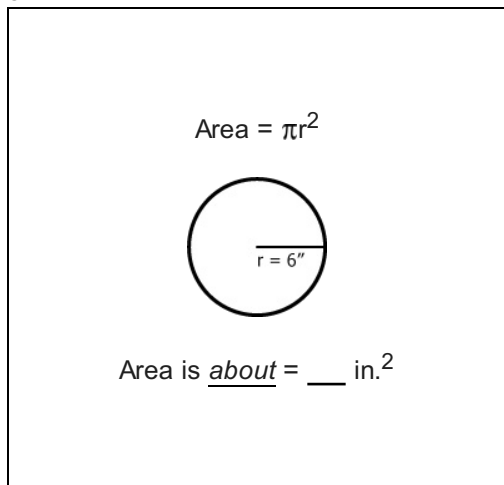
Base area = ____ in.²

A. 30

B. 3

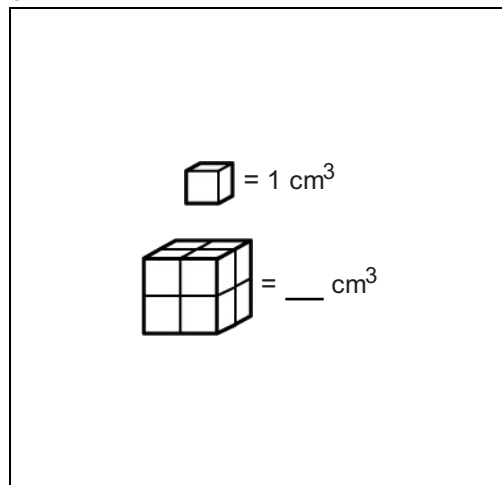
C. 20

5.



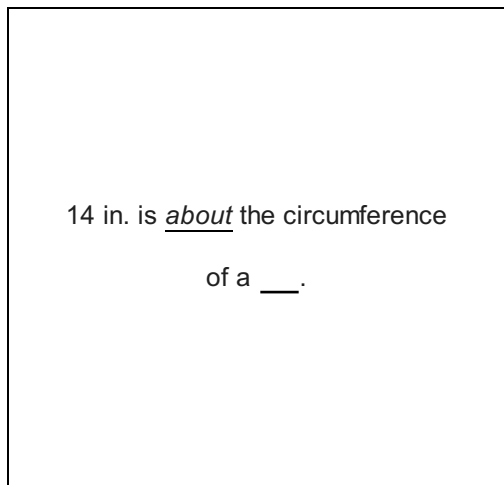
- A. 18
- B. 36
- C. 110

6.



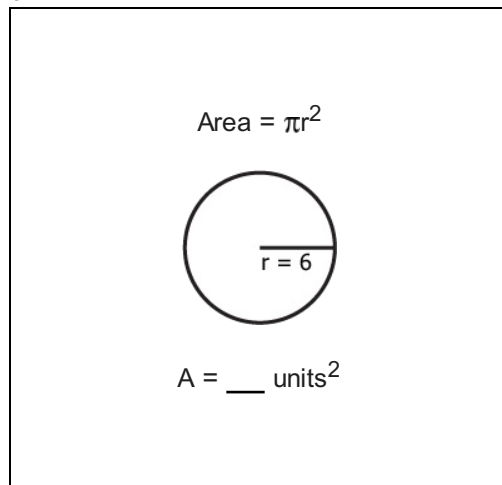
- A. 24
- B. 8
- C. 16

7.



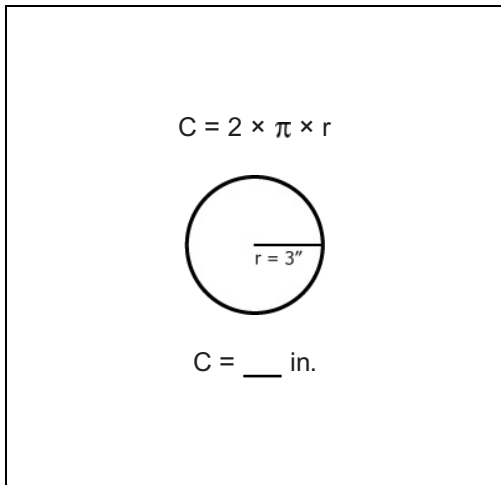
- A. marble
- B. baseball
- C. car tire

8.



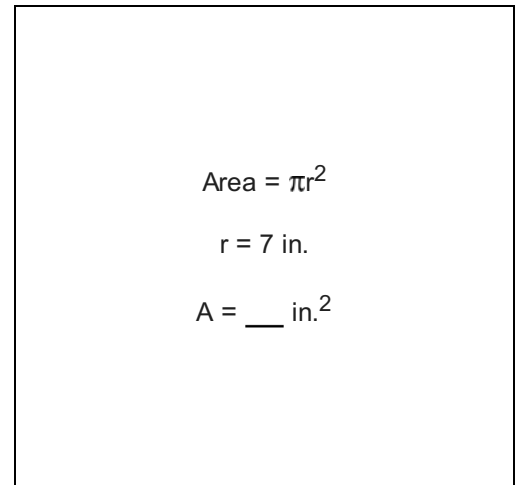
- A. 12π
- B. 42π
- C. 36π

9.



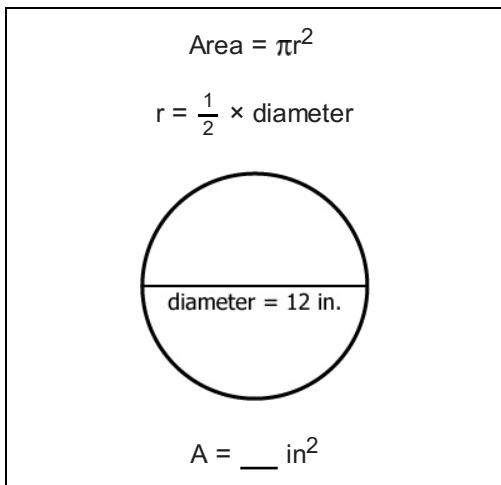
- A. 18.84
- B. 18.24
- C. 16.84

10.



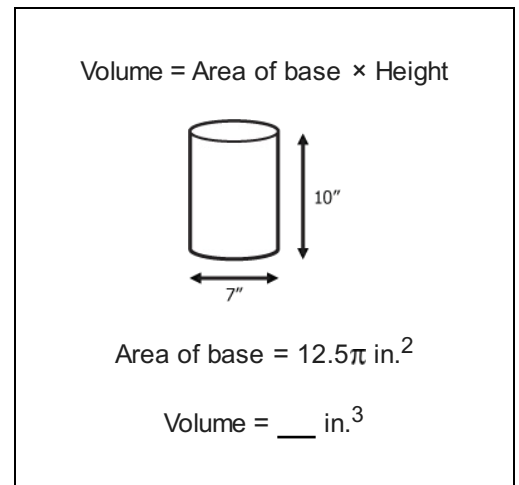
- A. 49π
- B. 14π
- C. 49

11.



- A. 36π
- B. 24π
- C. 12π

12.

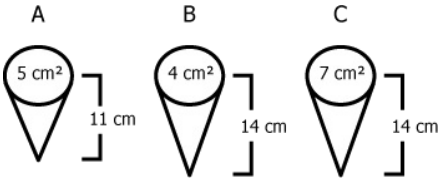


- A. 125π
- B. 50π
- C. 70π

13.

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

A B C

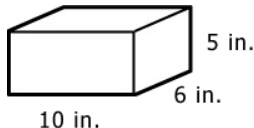


Which cone has volume of about 32.7 cm³?

- A. A
- B. B
- C. C

14.

Surface Area = $2(lw + lh + wh)$

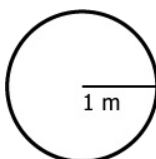


SA = ___ in.²

- A. 300
- B. 280
- C. 210

15.

Area = πr^2

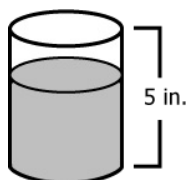


A = ___ m²

- A. π
- B. π^2
- C. 2π

16.

Volume = base area $\times$ h



base area = 6 in.²

There are 20 in.³ of water.
How much more water can fit?

- A. 20 in.³
- B. 10 in.³
- C. 30 in.³