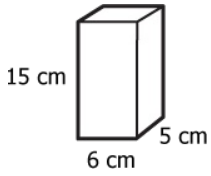
Math Measurement Geometry and Algebra 7_7

Student Name:_____ Date:_____

1.

Volume = L × W × H



V = ___ cm^3

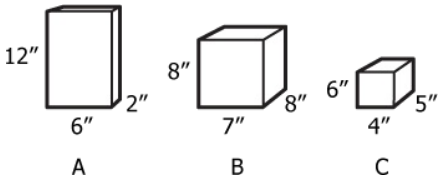
A. 550

B. 400

C. 450

2.

Volume = L × W × H



Which has volume of 144 cm^3?

A. A

B. B

C. C

3.

Area = πr^2

Which has the greatest radius?

A.  Area = 10π sq. in.

B.  Area = 25π sq. in.

C.  Area = 14π sq. in.

4.

Area = πr^2

Which circle has the greatest area?

A. r = 8 in.

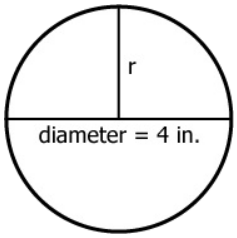
B. r = 10 in.

C. r = 6 in.

5.

Area = πr^2

r = $\frac{1}{2}$ × diameter



A = ___ in^2

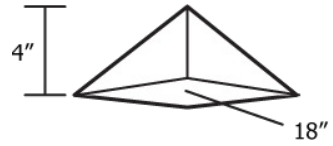
A. 16π

B. 8π

C. 4π

6.

Volume = Area of base × Height ÷ 3



Area of base = 18 $in.^2$

Volume = ___ $in.^3$

A. 24

B. 60

C. 18

7.

Circumference = $2\pi r$

A circle has r = 5 in.

C = ___ in.

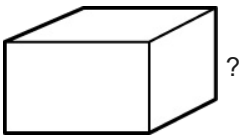
A. 5

B. 10π

C. 5π

8.

How do you find the surface area of



A. divide the area by volume

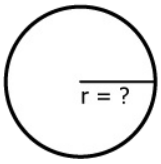
B. add areas of all the sides

C. add the volume and area

9.

Area = πr^2

Area of circle = 16π in.^{2}



r = ___ in.

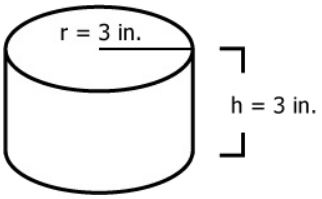
A. 2

B. 4

C. 32

10.

Volume = $\pi r^2 \times h$



V = ___ in.^{3}

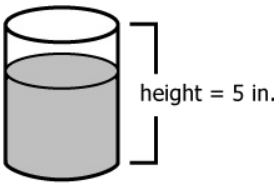
A. 6π

B. 27π

C. 9π

11.

Volume = Area of Base × height



Area of Base = 6π in.^{2}

V = ___ in.^{3}

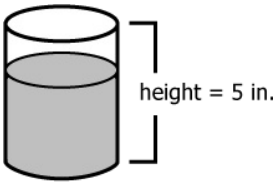
A. 11π

B. 30π

C. 25π

12.

Volume = Area of Base × height



Area of Base = 6π in.^{2}

This glass has 20π in.^{3} of water.

How much more can it hold?

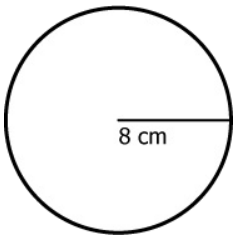
A. 11π in.^{3}

B. 10π in.^{3}

C. 50π in.^{3}

13.

Circumference = $2\pi r$



C = ___ cm

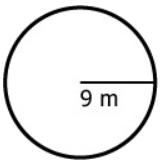
A. 19.14

B. 50.24

C. 16.14

14.

Area = πr^2



A = ___ m^2

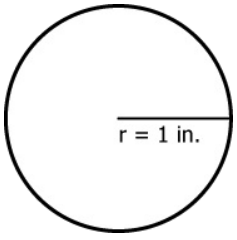
A. 18π

B. $9\pi^2$

C. 81π

15.

Area = πr^2



A = ___ $in.^2$

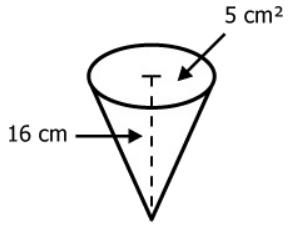
A. π^2

B. 2π

C. π

16.

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



V = ___

A. $\frac{1}{3}(16 + 5)$

B. $\frac{1}{3}(16 \times 5)$

C. $(16 + 5) \times 3$