

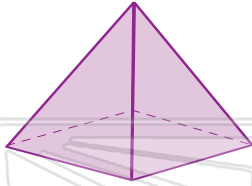


Finding Volume

Math

Name _____ Class _____ Date _____

- 1 How many **faces** does the figure shown have? Circle the answer.



3 5
4 6

- 2 What is the **volume** of the prism shown?

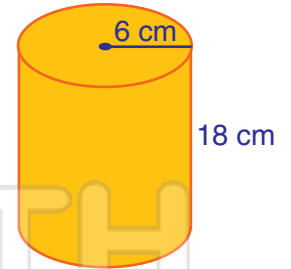
$$V = l \times w \times h$$



- 6 What is the **volume** of the cylinder shown? Check it.

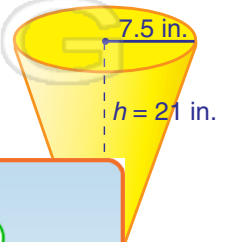
$$V = \pi r^2 h \quad \pi = 3.14$$

- 678.24 cm³
 2,034.72 cm³
 6,104.16 cm³



- 7 Circle the **volume** of the cone shown.

$$V = \frac{1}{3}\pi r^2 h \quad \pi = 3.14$$



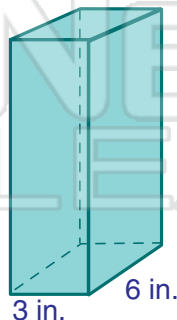
3

36
72
1,4

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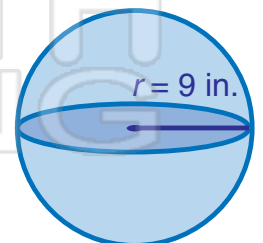
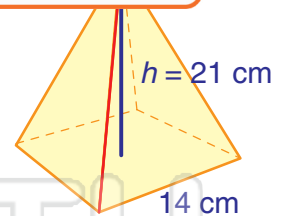
- 5 If the **volume** of the prism shown is 252 in.³, what is the **height**? Circle it.

- 10.5 in. 14 in.
12.5 in. 28 in.



- 10 Calculate the **volume** of the sphere shown.

$$V = \frac{4}{3}\pi r^3 \quad \pi = 3.14$$



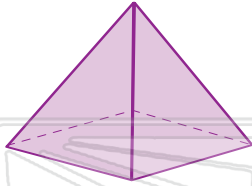


Finding Volume - Answer Key

Math

Name _____ Class _____ Date _____

- 1 How many **faces** does the figure shown have? Circle the answer.



3

5

4

6

- 2 What is the **volume** of the prism shown?

$$V = l \times w \times h$$

5,400 cm³

45 cm

6 cm



- 6 What is the **volume** of the cylinder shown? Check it.

$$V = \pi r^2 h \quad \pi = 3.14$$

678.24 cm³

2,034.72 cm³

6,104.16 cm³



18 cm

- 7 Circle the **volume** of the cone shown.

$$V = \frac{1}{3}\pi r^2 h \quad \pi = 3.14$$



7.5 in.

h = 21 in.



PREVIEW

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- 3 $7 \times 4 \times 11 = 308 \text{ cm}^3$



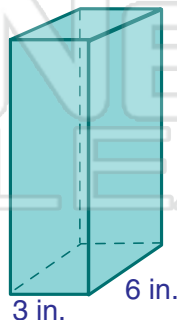
- 5 If the **volume** of the prism shown is 252 in.³, what is the **height**? Circle it.

10.5 in.

14 in.

12.5 in.

28 in.



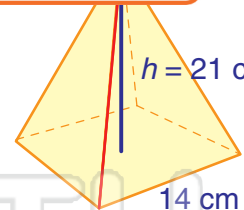
3 in.

6 in.

1,372 cm³

2,058 cm³

3,087 cm³



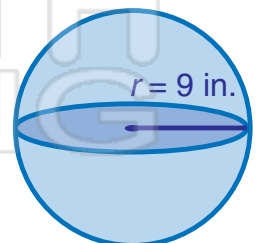
h = 21 cm

14 cm

- 10 Calculate the **volume** of the sphere shown.

$$V = \frac{4}{3}\pi r^3 \quad \pi = 3.14$$

$$\left(\frac{4}{3}\right)(3.14)(9^3) = 3,052.08 \text{ in.}^3$$



r = 9 in.