



Name _____ Class _____ Date _____

- 1 An aquarium is 30 cm tall, 34 cm long, and 20 cm wide. What is the **volume** of the aquarium?

$$V = \ell \cdot w \cdot h$$

- A 2,040 cm³
- B 8,400 cm³
- C 10,200 cm³
- D 20,400 cm³



- 3 Each small cube has a volume of 1 in.³ What is the **volume** of the block shown?

$$V = \ell \cdot w \cdot h$$

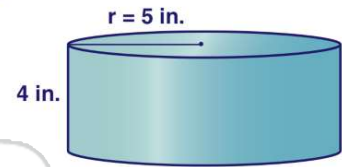
- A 8 in.³
- B 16 in.³



- 2 Find the **volume** of this cylinder.

$$V = \pi \cdot r^2 \cdot h$$

- A 50 in.³
- B 100 in.³
- C 314 in.³
- D 625 in.³



- 4 What is the **volume** of this triangular prism?

$$B = \frac{1}{2} (5 \cdot 4)$$

$$V = B \cdot h$$

- A 20 m³
- B 80 m³



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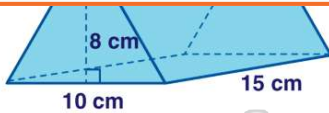


PREVIEW

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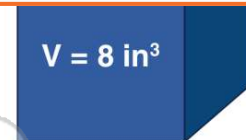
7

- A 80 cm³
- B 150 cm³
- C 600 cm³
- D 1,200 cm³



- A 8 in.
- B 6 in.
- C 4 in.
- D 2 in.

$$V = 8 \text{ in}^3$$

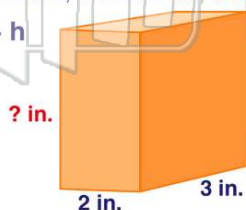


9

- A rectangular prism has a volume of 24 in.³. If the length is 2 inches and the width is 3 inches, what is the **height**?

$$V = \ell \cdot w \cdot h$$

- A 2 in.
- B 3 in.
- C 4 in.
- D 18 in.

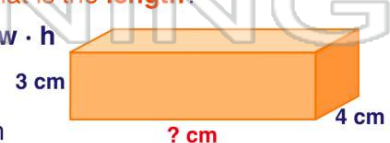


10

- The volume of this figure is 132 cm³. If the width is 4 cm and the height is 3 cm, what is the **length**?

$$V = \ell \cdot w \cdot h$$

- A 8 cm
- B 10 cm
- C 11 cm
- D 14 cm





ANSWER KEY

An aquarium is 30 cm tall, 34 cm long, and 20 cm wide. **What is the volume of the aquarium?**

$$V = \ell \cdot w \cdot h$$

- A 2,040 cm³
- B 8,400 cm³
- C 10,200 cm³
- D 20,400 cm³

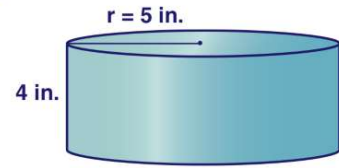


(d)

Find the **volume** of this cylinder.

$$V = \pi \cdot r^2 \cdot h$$

- A 50 in.³
- B 100 in.³
- C 314 in.³
- D 625 in.³



(c)

Each small cube has a volume of 1 in.³. **What is the volume of the block shown?**

$$V = \ell \cdot w \cdot h$$

- A 8 in.³
- B 16 in.³
- C 24 in.³



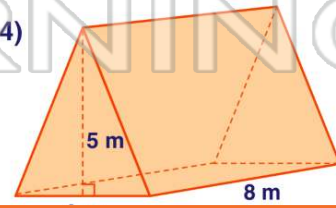
(d)

What is the **volume** of this triangular prism?

$$B = \frac{1}{2} (5 \cdot 4)$$

$$V = B \cdot h$$

- A 20 m³
- B 80 m³
- C 32 m³



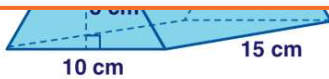
(b)



PREVIEW

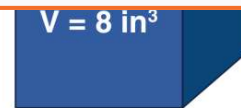
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- A 80 cm³
- B 150 cm³
- C 600 cm³
- D 1,200 cm³



- B 6 in.
- C 4 in.
- D 2 in.

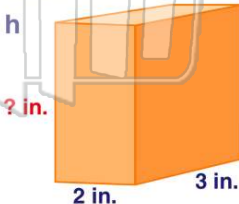
$$V = 8 \text{ in}^3$$



A rectangular prism has a volume of 24 in.³. If the length is 2 inches and the width is 3 inches, what is the **height**?

$$V = \ell \cdot w \cdot h$$

- A 2 in.
- B 3 in.
- C 4 in.
- D 18 in.



(c)

The volume of this figure is 132 cm.³. If the width is 4 cm and the height is 3 cm, **what is the length**?

$$V = \ell \cdot w \cdot h$$

- A 8 cm
- B 10 cm
- C 11 cm
- D 14 cm



(c)