

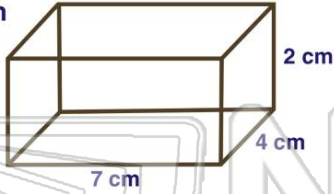


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

- 1 A rectangular prism has a length of 7 cm, a width of 4 cm, and a height of 2 cm. What is the **volume** of the prism?

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

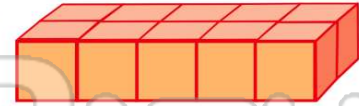
- A 14 cm<sup>3</sup>
- B 28 cm<sup>3</sup>
- C 46 cm<sup>3</sup>
- D 56 cm<sup>3</sup>



- 2 Each small cube has a volume of 1 cm<sup>3</sup>. What is the **volume** of the block shown?

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

- A 10 cm<sup>3</sup>
- B 7 cm<sup>3</sup>
- C 5 cm<sup>3</sup>
- D 2 cm<sup>3</sup>



- 3 A juice box is 11 cm tall, 5 cm long, and 4 cm wide. What is the **volume** of the juice box?

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

- A 31 cm<sup>3</sup>
- B 200 cm<sup>3</sup>



- 4 A book has a length of 10 inches, a width of 8 inches, and a height of 2 inches. What is the **volume** of the book?

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

- A 360 in.<sup>3</sup>
- B 160 in.<sup>3</sup>



## PREVIEW

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- 7

- 3 cm
- 10 cm
- A 17 cm<sup>3</sup>
  - B 43 cm<sup>3</sup>
  - C 70 cm<sup>3</sup>
  - D 120 cm<sup>3</sup>

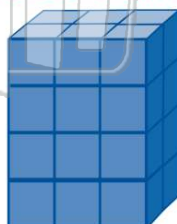


- 4 in.
- 13 in.
- 9 in.
- A 26 in.<sup>3</sup>
  - B 117 in.<sup>3</sup>
  - C 468 in.<sup>3</sup>
  - D 585 in.<sup>3</sup>

- 9 Each small cube has a volume of 1 cm<sup>3</sup>. The **volume** of the block shown is **30 cm<sup>3</sup>**.

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

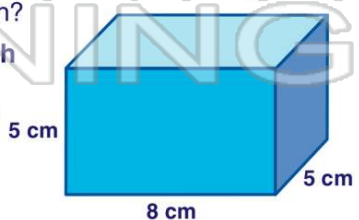
- A true
- B false



- 10 What is the **volume** of the rectangular prism shown?

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

- A 175 cm<sup>3</sup>
- B 200 cm<sup>3</sup>
- C 225 cm<sup>3</sup>
- D 400 cm<sup>3</sup>



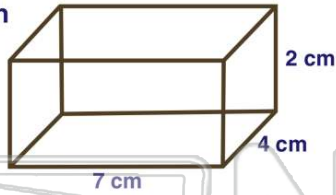


## ANSWER KEY

A rectangular prism has a length of 7 cm, a width of 4 cm, and a height of 2 cm. What is the **volume** of the prism?

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

- A 14 cm<sup>3</sup>
- B 28 cm<sup>3</sup>
- C 46 cm<sup>3</sup>
- D 56 cm<sup>3</sup>



(d)

Each small cube has a volume of 1 cm<sup>3</sup>. What is the **volume** of the block shown?

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

- A 10 cm<sup>3</sup>
- B 7 cm<sup>3</sup>
- C 5 cm<sup>3</sup>
- D 2 cm<sup>3</sup>



(a)

A juice box is 11 cm tall, 5 cm long, and 4 cm wide. What is the **volume** of the juice box?

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

- A 31 cm<sup>3</sup>
- B 200 cm<sup>3</sup>
- C 220 cm<sup>3</sup>



(c)

A book has a length of 10 inches, a width of 8 inches, and a height of 2 inches. What is the **volume** of the book?

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

- A 360 in.<sup>3</sup>
- B 160 in.<sup>3</sup>
- C 100 in.<sup>3</sup>



(b)

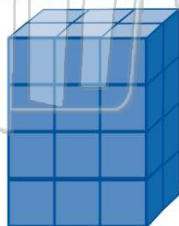


## PREVIEW

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- A 17 cm<sup>3</sup>
- B 43 cm<sup>3</sup>
- C 70 cm<sup>3</sup>
- D 120 cm<sup>3</sup>

10 cm



(b)

- A 20 in.<sup>3</sup>
- B 117 in.<sup>3</sup>
- C 468 in.<sup>3</sup>
- D 585 in.<sup>3</sup>

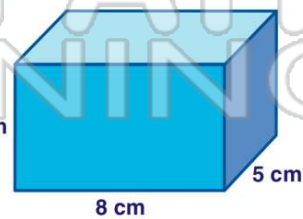


What is the **volume** of the rectangular prism shown?

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

- A 175 cm<sup>3</sup>
- B 200 cm<sup>3</sup>
- C 225 cm<sup>3</sup>
- D 400 cm<sup>3</sup>

5 cm



(b)