

Unit 1: Finding Volume

PRACTICE

Name: _____ Date: _____

Find each volume. Write your answer with correct cubic units.

1. A right rectangular prism has length 6 cm, width 4 cm, and height 5 cm. What is its volume in cubic centimeters?

Answer: _____

3. A rectangular prism is built from unit cubes. It is 5 cubes long, 5 cubes wide, and 3 cubes high. How many unit cubes make up the prism?

Answer: _____

5. A cube has an edge length of 4 cm. What is its volume in cubic centimeters?

Answer: _____

7. A right rectangular prism has a volume of 96 cubic cm. Its length is 8 cm and its width is 3 cm. What is its height in cm?

Answer: _____

9. A solid is made of two rectangular prisms. The first prism has volume 40 cubic cm and the second has volume 35 cubic cm. What is the total volume in cubic centimeters?

Answer: _____

2. A box is 8 in long, 3 in wide, and 2 in tall. Find its volume in cubic inches.

Answer: _____

4. A right rectangular prism has a base area of 24 square feet and a height of 7 feet. What is its volume in cubic feet?

Answer: _____

6. A fish tank is 10 in long, 6 in wide, and 9 in tall. Find its volume in cubic inches.

Answer: _____

8. A prism has length 12 m, width 5 m, and height 2 m. What is its volume in cubic meters?

Answer: _____

10. A composite figure is made of two right rectangular prisms. Prism A is 4 cm by 3 cm by 2 cm. Prism B is 5 cm by 2 cm by 2 cm. What is the combined volume in cubic centimeters?

Answer: _____

11. A storage container is 7 ft long, 4 ft wide, and 6 ft high. What is its volume in cubic feet?

Answer: _____

12. An L-shaped solid is formed from two prisms. The larger prism measures 6 in by 4 in by 3 in, and the smaller prism measures 6 in by 2 in by 3 in. Find the total volume in cubic inches.

Answer: _____