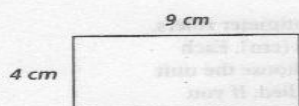


Measuring: Length (continued)

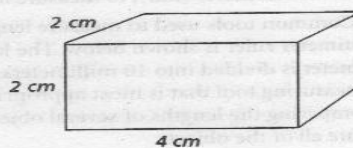
Using Length Measurements to Find Area and Volume

You can use metric measurements to find the area of a rectangular figure by multiplying length and width. Area is measured in units squared.

You can use metric measurements to find the volume of a solid rectangular figure by multiplying the length, width, and height. Volume is measured in units cubed.



$$\text{Area} = 9 \text{ cm} \times 4 \text{ cm} = 36 \text{ cm}^2$$



$$\text{Volume} = 4 \text{ cm} \times 2 \text{ cm} \times 2 \text{ cm} = 16 \text{ cm}^3$$

8. What are the length and width of the figure at the right?

Length _____

Width _____

9. What is the area of the figure at the right? Be sure to use the correct units.

10. What are the length, width, and height of the figure shown on the right?

Length _____

Width _____

Height _____

11. What is the volume of the figure on the right? Be sure to use the correct units.

12. **Think About It** Find the area of a rectangle with a length of 5 cm and a width of 32 mm. Explain the steps you used to find your answer.

