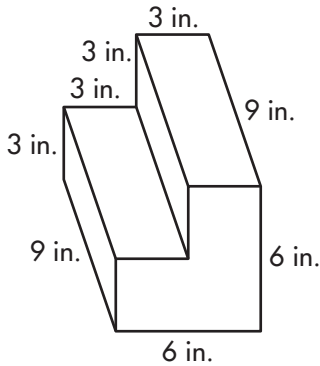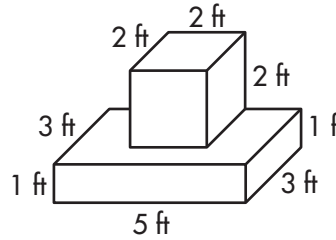# Combining Volumes

For **1** through **4**, find the volume of each solid figure.

1.
3 in.
3 in.
3 in.
9 in.
3 in.
9 in.
6 in.
6 in.

2.
2 ft
2 ft
2 ft
2 ft
3 ft
1 ft
1 ft
3 ft
5 ft

_____

3.
3 cm
4 cm
10 cm
7 cm
2 cm
6 cm
10 cm
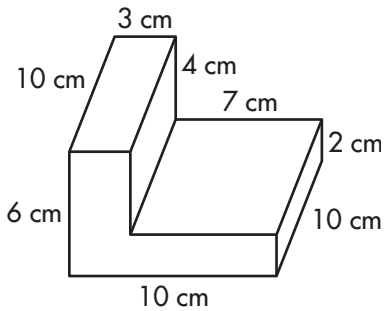10 cm
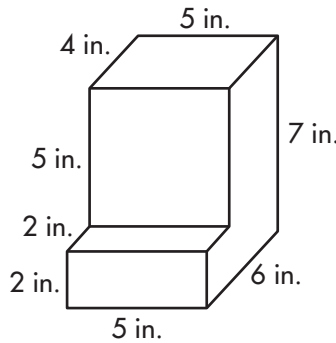
4.
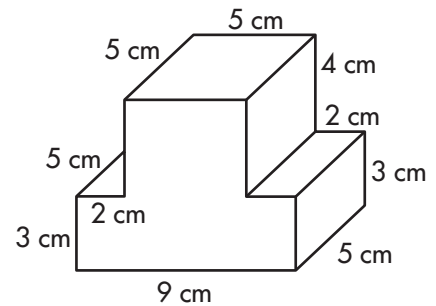5 in.
4 in.
7 in.
5 in.
2 in.
2 in.
6 in.
5 in.

_____

5. Paul wants to build this model with clay, but he does not know how many cubic centimeters of clay to purchase. How much clay should he purchase?

5 cm
5 cm
4 cm
2 cm
5 cm
3 cm
2 cm
3 cm
5 cm
9 cm

A 235 cm³   **C** 405 cm³

B 335 cm³   **D** 935 cm³

6. Ashley is stacking two boxes on a shelf. The bottom box measures 6 inches × 5 inches × 5 inches. The top box is a cube with one edge measuring 4 inches. What is the volume of this stack? Explain how you found your answer.

_____

_____