

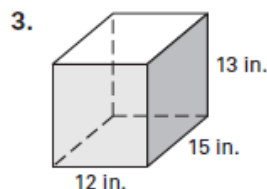
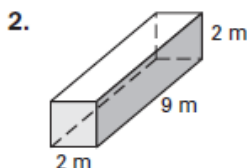
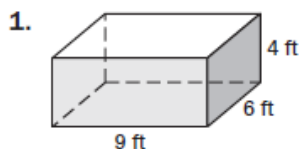
**LESSON**  
**12.3**

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

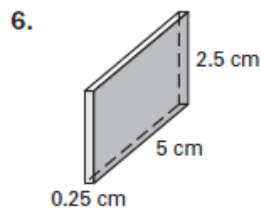
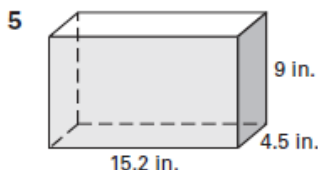
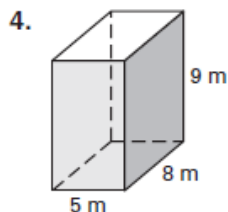
**Practice C**

For use with pages 642–648

**Draw a net for the rectangular prism. Then use the net to find the surface area of the prism.**

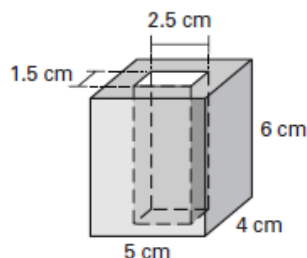


**Find the surface area of the rectangular prism.**



**Find the surface area of the rectangular prism with the given dimensions.**

7. 14 in. by 3 ft by 6 in.
8. 2.5 m by 3.8 m by 500 cm
9. You are wrapping a gift box that is 16 inches long, 10.5 inches wide, and 8.5 inches deep. Use a net to find the length and width of a single sheet of paper that could be used to wrap the entire gift box.
10. You are making a set of 12 wooden building blocks for your brother. Four of the blocks will be 2 inches long, 2 inches wide, and 2 inches high. Four other blocks will be 3.5 inches long, 4 inches wide, and 1 inch high, and the last four blocks will be 3 inches long, 5 inches wide, and 2 inches tall. Find the total surface area of the wooden blocks so you can buy enough paint to cover the blocks.
11. Find the surface area of the solid.



## MIXED REVIEW

### Get-Ready

Prepare for  
Lesson 12.4  
in Exs. 36–38

Find the diameter and the radius of the circle with the given circumference.  
Use 3.14 for  $\pi$ . (p. 607)

36.  $C = 69.08$  mm

37.  $C = 116.18$  ft

38.  $C = 142.87$  cm

39. Sketch a rectangular prism that is *not* a cube. (p. 636)

40. ★ **MULTIPLE CHOICE** On opening day of trout season, 8 out of every 10 people fishing caught a trout. What percent did *not* catch a trout? (p. 449)

(A) 2%

(B) 8%

(C) 20%

(D) 80%

## Brain Game

### Face Painting

You have a cube made out of 27 smaller cubes of the same size. You paint the six faces of the large cube. How many of the 27 smaller cubes have three faces painted? two faces painted? one face painted? no faces painted?

