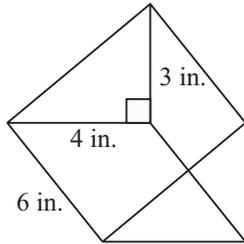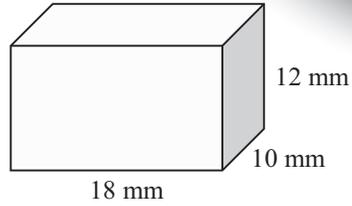Module 13   Perimeter, Area, and Volume
Lesson 4   Surface Area: Prisms, Cylinders, and Spheres

Find the surface area.

1.

3 in.

4 in.
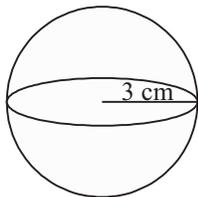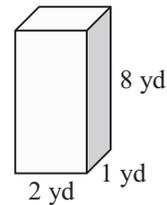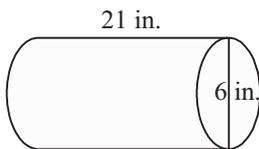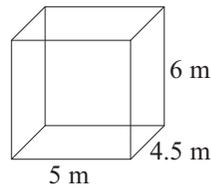
6 in.

2.

12 mm

10 mm

18 mm

3.

3 cm

4.

8 yd

1 yd

2 yd

5.

21 in.

6 in.

6.

6 m

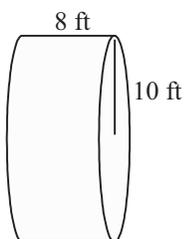4.5 m
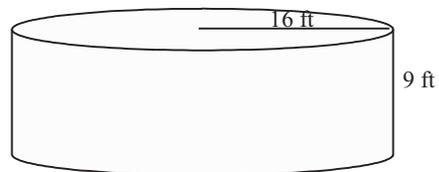
5 m

Find the lateral area.
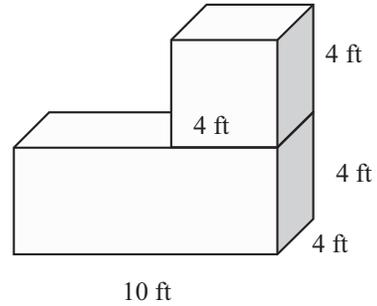
7.

8 ft

10 ft

8.

16 ft

9 ft

9. Find the surface area of the figure.

10. The surface area of a sphere is 1,017.36 square inches. What is the radius of the sphere?

11. An orange has a diameter of four inches. Estimate the surface area of the orange.

A manufacturer is making labels for soup cans. Each label wraps around the entire lateral surface of a can without overlapping.

12. If each can has a height of 3.5 inches and a radius of 1.5 inches, how much paper is needed to make labels for 10,000 cans?

13. About how many square feet of paper are needed to make labels for 10,000 cans?