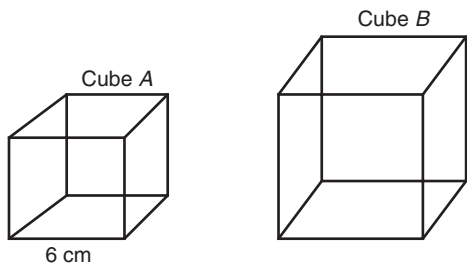


Use the given information to determine the surface area. Round your answer to the nearest tenth, if necessary.

- 13.** The surface area of a small box of Lombardi's Pasta is 78 square inches. Lombardi's also sells a large box of pasta. If the scale factor of the small box of pasta to the large box of pasta is 3 : 4, what is the surface area of the large box of pasta?
- 14.** A small decorative canister has a surface area of 54 square inches. If the scale factor of the small canister to a larger one is 2 : 5, what is the surface area of the larger canister?
- 15.** It takes 132 square inches of wrapping paper to wrap a large gift box. How much wrapping paper is needed to wrap a smaller box, if the scale factor of the large box to the smaller box is 6 : 5?
- 16.** McPhee's sells cereal boxes with a surface area of 328 square inches. McPhee's wants to produce small boxes with individual servings, in which the scale factor of the larger cereal box to the smaller box is 6 : 1. What will be the surface area of the smaller box?

Each pair of solids shown are similar. Use the given information to determine the indicated measure. Round your answer to the nearest tenth, if necessary.

17. The scale factor of cube *A* to cube *B* is 4 : 7. What is the length of the base of cube *B*?



18. The scale factor of cube *C* to cube *D* is 5 : 3. What is the height of cube *D*?

