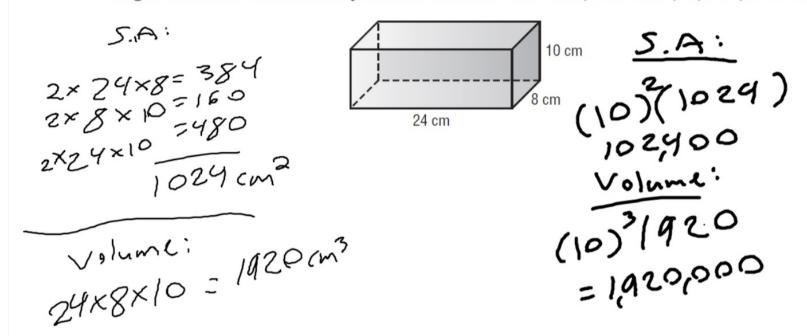
## Use the rectangular prism for Exercises 8 and 9.

8. Find the surface area and volume for a rectangular prism that is larger than the one shown by a scale factor of 10. 102,400 cm<sup>2</sup>; 1,920,000 cm<sup>3</sup>





- 3. MAIL A shipping box has a surface area of 320 square inches. What is the surface area of a similar box that is larger by a scale factor of 1.2? 460.8 in<sup>2</sup>
- **4. CANS** A can of food has a volume of 344 cubic centimeters. What is the volume of a similar can that is smaller by a scale factor of  $\frac{1}{2}$ ? **43 cm<sup>3</sup>**

