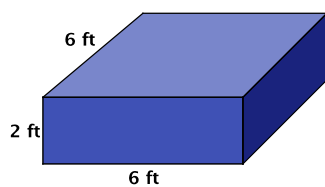


Volume Word Problems

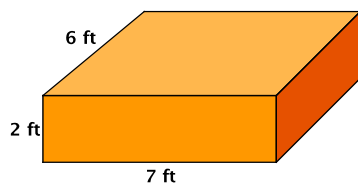
1. A puzzle cube was found in a toy box. It has side lengths of 3 inches. What is the volume of the puzzle cube, in cubic inches? Your answer may be exact or rounded to the nearest tenth.
2. A cereal box is 3 centimeters wide, 5 centimeters long, and 8 centimeters high. What is the volume of the cereal box, in cubic centimeters? You may use exact answers or round to the nearest tenth.
3. A gift box has a volume of 50 inches³. Find the height of the gift box, in inches, if it is 2 inches wide and 5 inches long. You may use exact answers or round to the nearest tenth.
4. Kiara has an ice cube with sides that measure 2.7 centimeters. What is the volume of the ice cube, in cubic centimeters? Your answer may be exact or rounded to the nearest tenth.
5. A building block in the shape of a cube was found in a toy box. It has side lengths of 2 inches. What is the volume of the building block, in cubic inches? Your answer may be exact or rounded to the nearest tenth.

6. Kiara is stacking boxes in the shape of a rectangular prism. If Kiara stacked 72 feet³ of boxes, which of the following models could represent Kiara's stack?

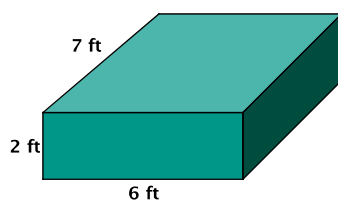
A.



B.



C.



D.

