

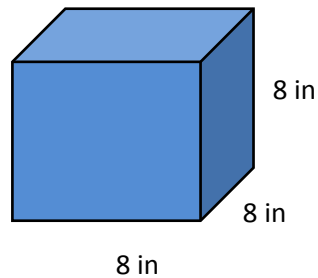
Name _____

Date _____

Cubic Volume: Multiplication Relationships - Step-by-Step Lesson

Lesson 1 Volume Problem:

What is the volume of the cube below?



Explanation:

Step 1) The formula is volume of cube is s^3 or
side x side x side

Each side of the cube is 8 inches long. Use the number 8 in the formula.

$$\begin{aligned}\text{Volume} &= \text{side} \times \text{side} \times \text{side} \\ &= 8 \text{ in} \times 8 \text{ in} \times 8 \text{ in} \\ &= 512 \text{ in}^3\end{aligned}$$

Now find the units. The lengths are measured in inches, so the volume is measured in cubic inches.

The volume is 512 cubic inches.

