Name _____ Date _____

Skills Maintenance

Evaluating Expressions With Integers

Activity 1

Evaluate the expressions using PEMDAS rules and PASS rules.
Show your work.

1. $25 - (3 - -2) + 2 \cdot -3$ _____

2. $4^2 \div (-2 + -2) - (8 \cdot -1)$ _____

3. $(-5 - 7) + (-2 \cdot -4) - -15$ _____

4. $6^2 - (-4 \cdot -8) + 2 - -2$ _____

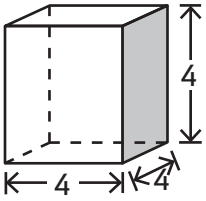
Name _____ Date _____

Problem-Solving Activity

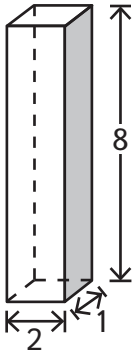
Measuring Volume and Cubic Units

Use the formula Volume = height • width • depth to find the volume of the cubes and rectangular prisms.

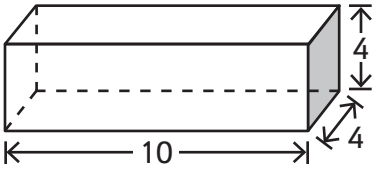
1. The cube's volume is _____.



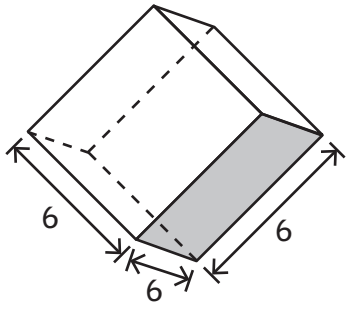
2. The rectangular prism's volume is _____.



3. The rectangular prism's volume is _____.



4. The cube's volume is _____.



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Problem-Solving Activity

Measuring Volume and Cubic Units

Use a cubic unit—a sugar cube—to compute the volume of a box. The sugar cube makes a good tool for measuring volume accurately since it is a unit of measure that fits neatly in the box without a lot of gaps. Once you fill the bottom of the box, record the number of sugar cubes you used. Then begin the second layer of sugar cubes, and continue until the box is filled. Record the number of layers it took to fill the box. What is the volume of the box? Is this an estimate or an exact measurement? Explain your answer.

_____

_____

_____

_____

_____

Reinforce Understanding
Use the **mBook** ***Study Guide*** to review lesson concepts.