

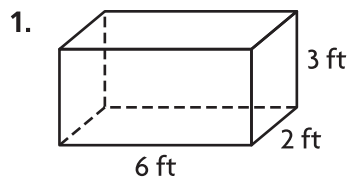
Name _____

Apply Volume Formulas



COMMON CORE STANDARD—5.MD.C.5b
Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

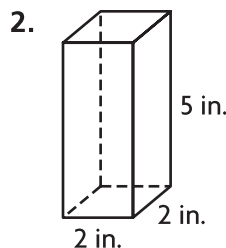
Find the volume.



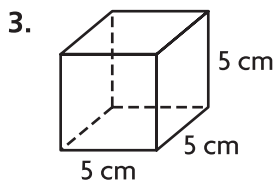
$$V = \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$V = \underline{6} \times \underline{2} \times \underline{3}$$

$$V = \underline{36 \text{ ft}^3}$$



$$V = \underline{\hspace{2cm}}$$



$$V = \underline{\hspace{2cm}}$$



$$V = \underline{\hspace{2cm}}$$

Problem Solving



5. A construction company is digging a hole for a swimming pool. The hole will be 12 yards long, 7 yards wide, and 3 yards deep. How many cubic yards of dirt will the company need to remove?

6. Amy rents a storage room that is 15 feet long, 5 feet wide, and 8 feet. What is the volume of the storage room?

7. **WRITE** *Math* Explain how you would find the height of a rectangular prism if you know that the volume is 60 cubic centimeters and that the area of the base is 10 square centimeters.

