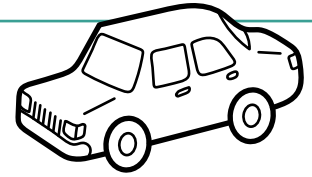# Answers Base, Volume, and Word Problems, Oh My!

Directions: *Find the volume for each word problem.*

Example: My mom bought a car that has a base of 30 square feet and a height of 5 feet. What is the volume?

$\underline{\text{30 ft}}_{\text{(base)}} \times \underline{\text{5 ft}}_{\text{(height)}} = \underline{\text{150 ft}^3}_{\text{(volume)}}$

1. I have a house that has a base of 130 square feet and a height of 20 feet. What is the volume?

   2600 ft^3

2. My hamster's cage has a base of 28 square inches and a height of 9 inches. What is the volume?

   252 in^3

3. The space under my bed has a base of 24 square feet and a height of 1 foot. What is the volume?

   24 ft^3

4. The fireplace in the living room has a base of 3 square feet and a height of 2 feet. What is the volume?

   6 ft^3

5. My closet has a base of 6 square meters and a height of 8 meters. What is the volume?

   48 m^3