

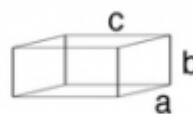
Name: _____

Volume

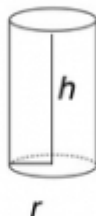
Volume Formulas: cube = a^3



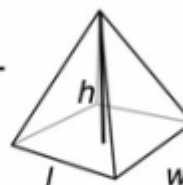
rectangular prism = $a \times b \times c$



cylinder = $\pi r^2 h$



rectangular pyramid = $\frac{l w h}{3}$



Directions: Find the volume for each problem.

1. Farmer Zeke has filled his entire silo with this harvest's grain. The silo's radius measures 45 feet. The height of the silo measures 135 feet. What is the volume of the grain silo?
2. Kyle received a solid, chocolate pyramid from his Aunt Edie. The base measurement was 6 inches by 6 inches. The pyramid's height was nine inches. What was the volume of the pyramid (before Kyle ate it)?
3. A package arrived today filled with marshmallow Peeps. The length of the package is 8 inches, the width is 10 inches, and the height is 3 inches. What is the volume of the package?
4. My ice maker created the perfect ice cube today. Each side measures exactly 22 mm. What is the volume of the perfect ice cube?
5. Timmy used 6 cubes, each with a side measurement of 14 cm, to create a 2 x 3 wall. What is the volume of Timmy's wall?