

**Unit Organizer**  
**5<sup>th</sup> Grade Math**  
**Volume**

Colorado State Standards:

**Math Standard 1:** Students develop number sense and use numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.

**Math Standard 4:** Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.

**Standard 5:** Students use a variety of tools and techniques to measure, apply the results in problem-solving situations, and communicate the reasoning used in solving these problems.

Singapore Instructional Objectives:

- To find the length of one edge of a cube given its volume
- To find one dimension of a cuboid given its volume and the other two dimensions
- To find one dimension of a cuboid given its volume and the area of one face
- To solve up to 2-step word problems involving volume of cubes/cuboids and volume of liquid
- To find the volume of a solid by the volume of liquid displaced
- To solve up to 2-step word problems involving displacement of liquid by a solid

Previous Unit: 4 Sided Figures

Next Unit: Tessellations

Vocabulary

volume  
length  
depth  
width  
height  
cube  
cuboid