

5.1 Volume

In this unit students

- **measure volume by counting cubes;**
- **relate addition to volume;**
- **understand and explain the relationship between multiplication and volume of right rectangular prisms.**

Students begin measuring volume by counting unit cubes. They find the volume of solids by decomposing them and adding the volumes of the constituent pieces. They connect the product of three whole numbers to the volume of a rectangular prism and make sense of the associative property of multiplication by decomposing a rectangular prism in different ways. This unit provides students with opportunities to work towards fluency with multiplication of multi-digit whole numbers using standard algorithm.

Comment on this unit [here](#).



[Unit Blueprint: Volume](#)

Typeset May 4, 2016 at 23:50:42. Licensed by [Illustrative Mathematics](#) under a [Creative Commons Attribution 4.0 International License](#) .