



Volume of Rectangular Prisms

Today's Standard

5.MD.C5a - Find the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes, and show that the volume is the same as would be found by multiplying the edge lengths, equivalently by multiplying the height by the area of the base. Represent threefold whole-number products as volumes, e.g., to represent the associative property of multiplication.

Cues	Notes
Volume	Volume is the amount of space inside a three-dimensional object.
Rectangular Prism	A rectangular prism has six faces that are rectangles.
Unit Cubes	Unit cubes can be used to fill a prism to measure its volume.
Multiplication	Volume can be found by multiplying the length, width, and height.
Associative Property	The associative property of multiplication means you can group factors in different ways and still get the same product.

Summary

To find the volume of a rectangular prism, use unit cubes to fill it or multiply its length, width, and height. This concept is important for understanding three-dimensional space and properties of shapes.