



Volume of Rectangular Prisms

Today's Standard

5.MD.C5b - Apply the formulas $V = l \times w \times h$ and $V = b \times h$ for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems.

Cues	Notes
Volume	Volume is the amount of space inside a 3D object.
Rectangular Prism	A rectangular prism has 6 faces, all of which are rectangles.
Formula for Volume	The formula for volume of a rectangular prism is $V = l \times w \times h$ or $V = b \times h$.
Real-world Applications	We can use volume formulas to solve real-world problems like finding the capacity of containers.
Common Misconceptions	Common misconceptions include confusing volume with area and multiplying dimensions incorrectly.

Summary

Understanding the volume of rectangular prisms involves applying specific formulas to solve real-world problems. Key points include the correct use of formulas and addressing common misconceptions.