



Area, Volume, and Surface Area in Geometry

Today's Standard

7.G.B6 - Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

Cues	Notes
Area	Area is the measure of space within a two-dimensional shape.
Volume	Volume is the measure of space within a three-dimensional object.
Surface Area	Surface area is the total area of all the surfaces of a three-dimensional object.
Formulas	Different shapes have unique formulas for calculating area, volume, and surface area.
Real-world applications	These concepts are used in various real-world applications, such as determining the amount of material needed for construction or packaging.

Summary

This standard involves solving problems related to the area, volume, and surface area of various geometric shapes. Understanding these concepts is essential for practical applications in real life and forms the basis for more advanced geometric studies.