

GEOMETRY

Volume

Grade 5

Score 4.0	In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.		
	<i>Score 3.5</i>	<i>In addition to score 3.0 performance, partial success at score 4.0 content</i>	
Score 3.0	<p>The student will solve real-world and mathematical problems involving volume (5.MD.5):</p> <ul style="list-style-type: none"> • apply the formula $V = l \times w \times h$ to find the volume of right rectangular prisms (5.MD.5b) • find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the parts (5.MD.5c) 		Sample Activities:
	<i>Score 2.5</i>	<i>No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content</i>	
Score 2.0	<p>The student will recognize or recall specific vocabulary, such as:</p> <ul style="list-style-type: none"> • add, attribute, centimeter, count, cube, cubic, foot, figure, formula, improvised, inch, measure, overlap, part, relationship, right rectangular prism, solid, sum, unit cube, volume <p>The student will perform basic processes, such as:</p> <ul style="list-style-type: none"> • explain that volume is an attribute of solid figures (5.MD.3) • measure volume by counting unit cubes, using cubic centimeters, cubic inches, cubic feet, and improvised units and understand the relationship between the sum of the cubes and the volume formula, $V = l \times w \times h$ (5.MD.4; 5.MD.5a) 		Sample Activities:
	<i>Score 1.5</i>	<i>Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content</i>	
Score 1.0	With help, partial success at score 2.0 content and score 3.0 content		
	<i>Score 0.5</i>	<i>With help, partial success at score 2.0 content but not at score 3.0 content</i>	
Score 0.0	Even with help, no success		