Content Standard		MAFS.5.MD Measurement and Data			
		<b>MAFS.5.MD.3</b> Geometric measurement: understand concepts of volume and relate volume to multiplication and division.			
		<b>MAFS.5.MD.3.3</b> Recognize volume as an attribute of solid figures and understand concepts of volume measurement.			
		<b>MAFS.5.MD.3.3a</b> A cube with side length 1 unit, called a "unit cube," is said to have "one cubic unit" of volume, and can be used to measure volume.			
		<b>MAFS.5.MD.3.3b</b> A solid figure which can be packed without gaps or overlaps using <i>n</i> unit cubes is said to have a volume of <i>n</i> cubic units.			
		Also Assessed:			
		<b>MAFS.5.MD.3.4</b> Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.			
Assessmen	t Limits	Right rectangular prisms with whole-number side lengths.			
		Graphics include unit cube.			
		Labels can include cubic units (i.e. cubic centimeters, cubic feet, etc.) or			
		exponential units (i.e., cm <sup>3</sup> , ft <sup>3</sup> , etc.).			
Calculator		No			
Acceptable		Equation Response			
Response		Matching Item Response			
Mechanisms		Multiple Choice Response Multi-Select Response			
Context	Allowat				
Example					
Context	A rectangular prism(s) with unit cubes is shown.				
Context		Decrease dimensional values (<= 6).			
easier	One prism given.				
Context	Increase dimensional values (> 6).				
more	Increase number of prisms given (3 or more).				
difficult					

Response Mechanism	Notes, Comments
Multiple Choice	
Response	
Response	

## Grade 5 Mathematics Item Specifications Florida Standards Assessments

1 in Image: Constraint of the prism in cubic inches?   A rectangular prism is shown. Equation Response   1 in. Image: Constraint of the prism in cubic inches?   1 in. Image: Constraint of the prism in cubic inches?   1 in. Image: Constraint of the prism in cubic inches?   1 in. Image: Constraint of the prism in cubic inches?	A rectangular prism is shown.	Equation Response
1 in.	What is the volume of the prism in cubic	
	A rectangular prism is shown.	Equation Response
What is the volume of the prism in cubic centimeters?	1 in.   What is the volume of the prism in cubic	

## Grade 5 Mathematics Item Specifications Florida Standards Assessments

Several rectangular prisms are shown.	Multi-Select Response	
Which prisms have a volume between 20 and 40 cubic units?		