

Virginia students participate in grades 3-8 Virginia Growth Assessments and Standards of Learning tests in reading and mathematics. This item map is a resource that provides descriptions and examples of items students were likely to answer correctly based on the vertical scaled score they achieved on their test. A vertical scaled score is a score that allows comparisons between Virginia Growth Assessments and Standards of Learning tests.

The item map shown in the tables below provides examples of test question descriptions at different score points from 945-1830, the vertical scaled score range for Grade 4 Mathematics. These examples represent what students may see on the state assessments in Grade 4 Mathematics.

The descriptions are examples of what students may know or be able to do at each score point. Some descriptions include a released test question and answer options to further show what the student would *most likely answer correctly* if they achieved at or above that score point. This information, along with a student's test results, may be used to plan conversations with families, determine intervention strategies to strengthen student understanding, or establish a plan to accelerate learning.

Match the student's score to the closest number in the left column. In the right column is a description of an item the student would *most likely answer correctly*, based on their score. The student would also most likely correctly answer questions at all score points below the score they achieved.

Students who scored in the range 1511 – 1830 are well prepared for learning new grade-level content.

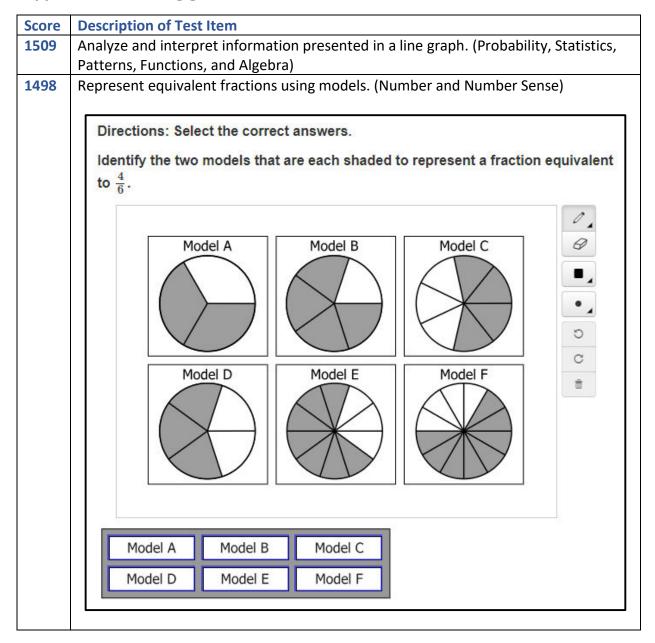
Score	Description of Test Item
1641	Estimate sums of whole numbers. (Computation and Estimation)



1629	Solve a multistep contextual problem involving addition and/or subtraction of decimals. (Computation and Estimation)							
Dr. Mendez used $3.42$ liters of water on Monday. On Tuesday, she used $0.056$ liter more water than she used on Monday. What was the total amount water she used on Monday and Tuesday?								
	O A. 6.896 liters							
	O B. 6.84 liters							
	O C. 3.98 liters							
	O D. 3.476 liters							
1584	Recognize and extend a pattern. (Probability, Statistics, Patterns, Functions, and Algebra)							
1538	Identify examples of perpendicular line segments in a contextual situation. (Measurement and Geometry)							
1518	Compare and order decimals without models. (Number and Number Sense)							
Mandy wrote a number on a card. The number is between $25.491$ and $2$ on a number line. Which could be the number Mandy wrote?								
	O A. 25.487							
	О В. 28.46							
	O C. 25.94							
	O D. 28.502							



Students who scored in the range 1397 – 1510 are at risk for needing additional support with learning grade-level content.





1474	Describe, compare, and contrast characteristics of plane and solid geometric figures.  (Measurement and Geometry)  Which statement about the rectangle and the rectangular prism is true?						
	O A. The rectangle has 4 sides and the rectangular prism has 12 edges.						
	B. The rectangle has 4 vertices and the rectangular prism has 7 vertices.						
	C. The number of edges of the rectangular prism is 2 times the number of sides of the rectangle.						
	D. The number of vertices of the rectangular prism is 3 times the number of vertices of the rectangle.						
1451	Determine the quotient of two whole numbers, with a remainder. (Computation and Estimation)						
1426	Solve a multistep contextual problem involving addition and/or subtraction of decimals. (Computation and Estimation)						



Students who scored in the range 945 – 1396 need additional support with prior knowledge and foundational skills while learning grade-level content.

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Score	Descrip	Description of Test Item								
1378	Determ	Determine the equivalent fraction and decimal for a given model. (Number and								
	Number Sense)									
1344		Solve a contextual problem involving weight using U.S. Customary units. (Measurement								
		and Geometry)								
1307	Solve a contextual problem involving addition or subtraction of decimals. (Computation									
	and Estimation)									
	12.50(10)									
		This table shows the amount of dirt a dump truck unloaded at two different								
	site	es.								
		Dump Truck Loads								
					Amount of Dirt	1				
				Site						
				12	(tons)					
				K	0.438					
				L	3.871					
	What is the total amount of dirt that was unloaded from the dump truck at									
	sites K and L?									
	22000									
	0	Α.	3.209 tons							
		R	3.219 tons							
		υ.	0.210 (0113							
	0	C.	4.309 tons							
	0	D	4.319 tons							
		(A. 1945)								



