



SECONDARY MATH 2014-2015 Adaptive Testing Item Selection Criteria



Mathematics Grade 7		
Domains	min	max
<i>Ratio and Proportions</i>	22%	26%
<i>Expressions and Equations</i>	16%	20%
<i>The Number System</i>	18%	22%
<i>Geometry</i>	18%	22%
<i>Statistics and Probability</i>	18%	22%
DOK 1	12%	24%
DOK 2	48%	60%
DOK 3	20%	26%

Mathematics Grade 8		
Domains	min	max
<i>Functions</i>	20%	24%
<i>Expressions and Equations</i>	20%	24%
<i>Geometry / The Number System</i>	34%	40%
<i>Statistics and Probability</i>	16%	20%
<i>DOK 1</i>	20%	30%
<i>DOK 2</i>	40%	50%
<i>DOK 3</i>	20%	26%

Mathematics Secondary I		
Conceptual Categories	min	max
<i>Algebra</i>	30%	35%
<i>Number and Quantity / Functions / Statistics and Probability</i>	33%	38%
<i>Geometry</i>	30%	35%
DOK 1	16%	24%
DOK 2	44%	56%
DOK 3	24%	28%

Mathematics Secondary II		
Conceptual Categories	min	max
<i>Number and Quantity/ Algebra</i>	25%	30%
<i>Functions</i>	25%	30%
<i>Geometry</i>	23%	25%
<i>Statistics and Probability</i>	23%	25%
<i>DOK 1</i>	16%	24%
<i>DOK 2</i>	44%	56%
<i>DOK 3</i>	20%	26%

Mathematics Secondary III		
Conceptual Categories	min	max
<i>Number and Quantity / Algebra</i>	30%	35%
<i>Functions</i>	30%	35%
<i>Trigonometric Functions / Geometry</i>	23%	28%
<i>Statistics and Probability***</i>	8%	13%
DOK 1	10%	20%
DOK 2	40%	50%
DOK 3	30%	36%

Purpose: The purpose of test blueprints is to make sure that the intended breadth and depth of the curriculum is represented on the CRTS.

The percentages shown represent target aggregate values; individual student experiences will vary based on the adaptive algorithm.

DOK Blueprint Disclosure: Depth of Knowledge (DOK) is an essential component of the Secondary Math instruction. As such, DOK is integrated in all mathematics items throughout the Student Assessment of Growth and Excellence (SAGE) and their respective blueprints. All **students** will see a variety of DOK and item difficulty on the summative SAGE. For more information about DOK please see: http://static.pdesas.org/content/documents/M1-Slide_22_DOK_Hess_Cognitive_Rigor.pdf

***NOTE: Not a reporting category, but still administer items from this Domain