

**DRAFT      SECONDARY MATH BLUEPRINTS      DRAFT**

**Mathematics Grade 7**

Reporting Category/Domains	Reporting Category/ Domain Percentage	
	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**

Reporting Category/Domains	Reporting Category/ Domain Percentage	
	min	max
<i>Functions</i>	20%	24%
<i>Expressions and Equations</i>	20%	24%
<i>The Number System</i>	With Geometry	
<i>Geometry and The Number System</i>	34%	40%
<i>Statistics and Probability</i>	16%	20%
DOK 1	20%	30%
DOK 2	40%	50%
DOK 3	20%	26%

**Mathematics Secondary I**

Reporting Category/Domains	Reporting Category/ Domain Percentage	
	min	max
<i>Algebra</i>	26%	30%
<i>Number and Quantity with Functions</i>	26%	30%
<i>Geometry</i>	26%	30%
<i>Statistics and Probability</i>	16%	20%
<i>Number and Quantity</i>	With Functions	
DOK 1	16%	24%
DOK 2	44%	56%
DOK 3	24%	28%

**Mathematics Secondary II**

Reporting Category/Domains	Reporting Category/ Domain Percentage	
	min	max
<i>Algebra</i>	22%	26%
<i>Functions</i>	22%	26%
<i>Geometry</i>	20%	24%
<i>Statistics and Probability</i>	16%	20%
<i>Number and Quantity</i>	16%	20%
DOK 1	16%	24%
DOK 2	44%	56%
DOK 3	20%	26%

**Mathematics Secondary III**

Reporting Category/Domains	Reporting Category/ Domain Percentage	
	min	max
<i>Number and Quantity with Algebra</i>	30%	32%
<i>Functions</i>	30%	32%
<i>Trigometric Functions and Geometry</i>	20%	22%
<i>Statistics and Probability</i>	20%	22%
<i>Number and Quantity</i>	With Algebra	
DOK 1	10%	20%
DOK 2	40%	50%
DOK 3	30%	36%

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

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

**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](http://static.pdesas.org/content/documents/M1-Slide_22_DOK_Hess_Cognitive_Rigor.pdf)