

# Mathematics Blueprint

## WVGSA Grade 6



WVGSA Blueprint - Grade 6			
Domain		Number of Items	
Cluster		Min	Max
<b>Non-Calculator Total</b>			
<b>RP &amp; NS</b>	<b>Ratios and Proportional Relationships &amp; Number System</b>	<b>16</b>	<b>19</b>
	Understand ratio concepts and use ration reasoning to solve problems	5	10
	Apply and extend previous understandings of multiplication and division to divide fractions by fractions	0	2
	Compute fluently with multi-digit numbers and find common factors and multiples	1	5
	Apply and extend previous understandings of numbers to the system of rational numbers	1	5
<b>EE</b>	<b>Expressions and Equations</b>	<b>13</b>	<b>16</b>
	Apply and extend previous understandings of arithmetic to algebraic expressions	3	9
	Reason about and solve one-variable equations and inequalities	3	9
	Represent and analyze quantitative relationships between dependent and independent variables	0	2
<b>Calculator Total</b>			
<b>G &amp; SP</b>	<b>Geometry &amp; Statistics and Probability</b>	<b>10</b>	<b>10</b>
	Solve real-world and mathematical problems involving area, surface area, and volume	1	7
	Develop understanding of statistical variability	1	5
	Summarize and describe distributions	1	4
<b>DOK Ranges</b>		<b>Min</b>	<b>Max</b>
DOK 1		7	11
DOK 2		22	27
DOK 3		6	11
<b>Mathematical Habits of Mind Sub-Score</b>		<b>Min</b>	<b>Max</b>
MHM: Modeling and Problem Solving		10	14
MHM: Use Mathematical Reasoning		8	10