

Mathematics Blueprint

WVGSA Grade 7



WVGSA Blueprint - Grade 7			
Domain		Number of Items	
Cluster		Min	Max
Calculator Total			
RP & NS	Ratios and Proportional Relationships & Number System	10	12
	Analyze proportional relationships and use them to solve real-world and mathematical problems	3	7
	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers	3	7
EE	Expressions and Equations	10	12
	Use properties of operations to generate equivalent expressions	3	7
	Solve real-life and mathematical problems using numerical and algebraic expressions and equations	3	7
G	Geometry	10	12
	Draw, construct, and describe geometrical figures and describe the relationships between them	3	7
	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume	3	7
SP	Statistics and Probability	10	12
	Use random sampling to draw inferences about a population	1	4
	Draw informal comparative inferences about two populations	1	4
	Investigate chance processes and develop, use, and evaluate probability models	3	7
DOK Ranges		Min	Max
DOK 1		7	11
DOK 2		22	27
DOK 3		6	11
Mathematical Habits of Mind Sub-Score		Min	Max
MHM: Modeling and Problem Solving		10	14
MHM: Use Mathematical Reasoning		9	22