

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	8	10
	Analyze proportional relationships and use them to solve real-world and mathematical problems	2	6
	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers	2	6
EE	Expressions and Equations	8	10
	Use properties of operations to generate equivalent expressions	2	6
	Solve real-life and mathematical problems using numerical and algebraic expressions and equations	2	6
G	Geometry	8	10
	Draw, construct, and describe geometrical figures and describe the relationships between them	2	6
	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume	2	6
SP	Statistics and Probability	8	10
	Use random sampling to draw inferences about a population	0	3
	Draw informal comparative inferences about two populations	0	3
	Investigate chance processes and develop, use, and evaluate probability models	2	6
DOK Ranges		Min	Max
DOK 1		5	9
DOK 2		17	22
DOK 3		5	9
Mathematical Habits of Mind Sub-Score		Min	Max
MHM: Modeling and Problem Solving		10	14
MHM: Use Mathematical Reasoning		9	12