

Mathematics Blueprint

WVGSA Grade 6



WVGSA Blueprint - Grade 6			
Domain		Number of Items	
Cluster		Min	Max
Non-Calculator Total			
RP & NS	Ratios and Proportional Relationships & Number System	13	16
	Understand ratio concepts and use ratio reasoning to solve problems.	3	8
	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.	0	4
	Apply and extend previous understandings of numbers to the system of rational numbers.	0	4
EE	Expressions and Equations	10	13
	Apply and extend previous understandings of arithmetic to algebraic expressions.	1	7
	Reason about and solve one-variable equations and inequalities.	1	7
	Represent and analyze quantitative relationships between dependent and independent variables.	0	2
Calculator Total			
G & SP	Geometry & Statistics and Probability	8	8
	Solve real-world and mathematical problems involving area, surface area, and volume.	1	6
	Develop understanding of statistical variability.	0	4
	Summarize and describe distributions.	0	3
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		8	15
MHM: Use Mathematical Reasoning		8	11