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