

Mathematics Blueprint

WVGSA Grade 3



WVGSA Blueprint - Grade 3			
Domain		Number of Items	
Cluster		Min	Max
OA	Operations and Algebraic Thinking	13	16
	Represent and solve problems involving multiplication and division	1	6
	Understand the properties of multiplication and the relationship between multiplication and division	1	5
	Multiply and divide within 100	0	2
	Solve problems involving the four operations, and identify and explain patterns in arithmetic	1	5
NBT & NF	Number and Operations in Base Ten & Fractions	16	19
	Use place value understanding and properties of operations to perform multi-digit arithmetic	8	11
	Develop understanding of fractions as numbers	8	11
MD & G	Measurement, Data and Geometry	10	12
	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects	1	4
	Represent and interpret data	1	4
	Geometric measurement: understand concepts of area and relate area to multiplication and division	1	4
	Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures	0	2
	Reason with shapes and their attributes	1	4
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		10	14