

Mathematics Blueprint

WVGSA Grade 3



WVGSA Blueprint - Grade 3			
Domain		Number of Items	
Cluster		Min	Max
OA	Operations and Algebraic Thinking	10	13
	Represent and solve problems involving multiplication and division	0	5
	Understand the properties of multiplication and the relationship between multiplication and division	0	4
	Multiply and divide within 100	0	2
	Solve problems involving the four operations, and identify and explain patterns in arithmetic	0	4
NBT & NF	Number and Operations in Base Ten & Fractions	13	16
	Use place value understanding and properties of operations to perform multi-digit arithmetic	6	9
	Develop understanding of fractions as numbers	6	9
MD & G	Measurement, Data and Geometry	8	10
	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects	0	3
	Represent and interpret data	0	3
	Geometric measurement: understand concepts of area and relate area to multiplication and division	0	3
	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	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	12
MHM: Use Mathematical Reasoning		8	12