

Mathematics Blueprint

WVGA Grade 4



WVGA Blueprint - Grade 4			
Domain		Number of Items	
Cluster		Min	Max
OA	Operations and Algebraic Thinking	10	13
	Use the four operations with whole numbers to solve problems	3	7
	Gain familiarity with factors and multiples	1	4
	Generate and analyze patterns	1	4
NBT & NF	Number and Operations in Base Ten & Fractions	19	22
	Generalize place value understanding for multi-digit whole numbers	3	6
	Use place value understanding and properties of operations to perform multi-digit arithmetic	3	6
	Extend understanding of fraction equivalence and ordering	1	4
	Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers	1	4
	Understand decimal notation for fractions, and compare decimal fractions	3	6
MD & G	Measurement, Data and Geometry	10	12
	Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit	1	5
	Represent and interpret data	0	2
	Geometric measurement: understand concepts of angle and angle measure	1	6
	Draw and identify lines and angles, and classify shapes by properties of their lines and angles	3	6
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		8	12
MHM: Use Mathematical Reasoning		8	12