

## AZMERIT | Arizona's Statewide Achievement Assessment for English Language Arts and Mathematics

## Mathematics Assessment Blueprint

Grade 3		
Domain	Min.	Max.
Operations and Algebraic Thinking & Numbers in Base Ten	49%	53%
Number and Operations- Fractions	18%	22%
Measurement and Data & Geometry	26%	30%

Grade 6		
Domain	Min.	Max.
Ratio and Proportional Relationships	19%	23%
Expressions and Equations	29%	33%
Geometry & Statistics and Probability	17%	21%
The Number System	25%	29%

Algebra I		
Conceptual Categories	Min.	Max.
Algebra	40%	44%
Functions	36%	40%
Statistics	17%	21%

Percentage of Points by Depth of Knowledge Level			
Grade	DOK Level 1	DOK Level 2	DOK Level 3
3-11	10%-20%	60%-70%	12%-30%

Grade 4		
Domain	Min.	Max.
Operations and Algebraic Thinking	22%	26%
Number and Operations in Base Ten	24%	28%
Number and Operations- Fractions	29%	33%
Measurement and Data & Geometry	15%	19%

Grade 7			
Domain	Min.	Max.	
Ratio and Proportional Relationships	19%	23%	
The Number System	19%	23%	
Expressions and Equations	23%	27%	
Geometry	12%	16%	
Statistics and Probability	15%	19%	

Geometry		
Domain	Min.	Max.
Congruence	23%	27%
Similarity, Right Triangles, and Trigonometry	27%	31%
Circles & Geometric Measurement & Geometric Properties with Equations	23%	27%
Modeling with Geometry	17%	21%

Grade 5			
Domain	Min.	Max.	
Numbers and Operations - Fractions	31%	35%	
Number and Operations in Base Ten & Algebraic Thinking	38%	42%	
Measurement and Data & Geometry	24%	28%	

Grade 8		
Domain	Min.	Max.
Functions	21%	25%
Expressions and Equations	32%	36%
Geometry	23%	27%
Statistics and Probability & The Number System	15%	19%

Algebra II		
Conceptual Categories	Min.	Max.
Algebra	34%	38%
Functions	32%	36%
Statistics	27%	31%

Within a test, approximately 70% of the assessment will be on major content within that grade or course.