

**ISASP**IOWA STATEWIDE ASSESSMENT  
of STUDENT PROGRESS

## ISASP Mathematics Blueprints (2023)

### Grade 3

Grade 3 Mathematics Blueprint		
Domain	Min	Max
Number and Operations in Base Ten	14%	20%
Number and Operations - Fractions	11%	14%
Operations and Algebraic Thinking	31%	37%
Geometry	11%	14%
Measurement and Data	23%	29%

Grade 3 Mathematics Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	60%
DOK 3	10%	25%

## Grade 4

Grade 4 Mathematics Blueprint		
Domain	Min	Max
Number and Operations in Base Ten	19%	24%
Number and Operations - Fractions	22%	27%
Operations and Algebraic Thinking	16%	22%
Geometry	11%	16%
Measurement and Data	19%	24%

Grade 4 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	60%
DOK 3	10%	25%

## Grade 5

Grade 5 Mathematics Blueprint		
Domain	Min	Max
Number and Operations in Base Ten	23%	28%
Number and Operations - Fractions	23%	28%
Operations and Algebraic Thinking	13%	18%
Geometry	13%	18%
Measurement and Data	18%	23%

Grade 5 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	60%
DOK 3	10%	25%

## Grade 6

Grade 6 Mathematics Blueprint		
Domain	Min	Max
The Number System	21%	26%
Ratios and Proportional Relationships	14%	19%
Expressions and Equations	29%	33%
Geometry	12%	17%
Statistics and Probability	12%	17%

Grade 6 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	65%
DOK 3	10%	25%

## Grade 7

Grade 7 Mathematics Blueprint		
Domain	Min	Max
The Number System	20%	24%
Ratios and Proportional Relationships	18%	22%
Expressions and Equations	22%	27%
Geometry	18%	22%
Statistics and Probability	11%	16%

Grade 7 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	65%
DOK 3	10%	25%

## Grade 8

Grade 8 Mathematics Blueprint		
Domain	Min	Max
The Number System	9%	13%
Functions	20%	24%
Expressions and Equations	28%	32%
Geometry	19%	23%
Statistics and Probability	15%	19%

Grade 8 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	65%
DOK 3	10%	25%

## Grade 9

Grade 9 Mathematics Blueprint		
Domain	Min	Max
Number and Quantity	17%	23%
Functions	17%	23%
Algebra	29%	34%
Geometry	11%	17%
Statistics and Probability	11%	17%

Grade 9 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	65%
DOK 3	10%	25%

## Grade 10

Grade 10 Mathematics Blueprint		
Domain	Min	Max
Number and Quantity	17%	23%
Functions	14%	20%
Algebra	17%	23%
Geometry	26%	31%
Statistics and Probability	11%	17%

Grade 10 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	65%
DOK 3	10%	25%



## Grade 11

Grade 11 Mathematics Blueprint		
Domain	Min	Max
Number and Quantity	17%	23%
Functions	20%	26%
Algebra	20%	26%
Geometry	17%	23%
Statistics and Probability	11%	17%

Grade 11 Depth of Knowledge Blueprint		
DOK Level	Min	Max
DOK 1	20%	35%
DOK 2	45%	65%
DOK 3	10%	25%