

# Utah RISE Mathematics Blueprint

## Grade 3 45 Operational Items

Domain	Min.	Max.
Operations and Algebraic Thinking (OA)	29%	38%
Number and Operations in Base Ten (NBT)	18%	22%
Number and Operations - Fractions (NF)	27%	31%
Measurement and Data and Geometry (MD/G)	18%	22%
DOK 1	18%	31%
DOK 2	38%	58%
DOK 3	9%	20%

## Grade 4 50 Operational Items

Domain	Min.	Max.
Operations and Algebraic Thinking (OA)	18%	22%
Number and Operations in Base Ten (NBT)	28%	32%
Number and Operations - Fractions (NF)	28%	32%
Measurement and Data and Geometry (MD/G)	16%	22%
DOK 1	22%	44%
DOK 2	44%	58%
DOK 3	12%	22%

## Grade 5 50 Operational Items

Domain	Min.	Max.
Operations and Algebraic Thinking (OA)	16%	20%
Number and Operations in Base Ten (NBT)	30%	36%
Number and Operations - Fractions (NF)	28%	34%
Measurement and Data and Geometry (MD/G)	18%	22%
DOK 1	16%	28%
DOK 2	50%	64%
DOK 3	10%	24%

## Grade 6 50 Operational Items

Domain	Min.	Max.
Ratios and Proportional Relationships (RP)	28%	32%
The Number System (NS)	18%	22%
Expressions and Equations (EE)	28%	34%
Geometry/Statistics and Probability (G/SP)	16%	20%
DOK 1	24%	37%
DOK 2	46%	62%
DOK 3	8%	20%



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**Grade 7**  
**50 Operational Items**

Domain	Min.	Max.
Ratio and Proportions	22%	26%
Expressions and Equations	16%	20%
The Number System	18%	22%
Geometry	18%	22%
Statistics and Probability	18%	22%
DOK 1	12%	24%
DOK 2	48%	60%
DOK 3	20%	26%

**Grade 8**  
**50 Operational Items**

Domain	Min.	Max.
Functions	20%	24%
Expressions and Equations	20%	24%
Geometry / The Number System	34%	40%
Statistics and Probability	16%	20%
DOK 1	20%	30%
DOK 2	40%	50%
DOK 3	20%	26%

**Secondary Mathematics I\***  
**40 Operational Items**

Domain	Min.	Max.
Algebra	30%	35%
Number Quantity/Functions/ Statistics and Probability	25%	38%
Geometry	30%	35%
DOK 1	15%	25%
DOK 2	45%	55%
DOK 3	25%	28%

\*This assessment is only applicable for students in grades lower than grade 9 and who are taking Secondary Mathematics I.

**Note:** The percentages shown represent target aggregate values; individual student experiences will vary based on the adaptive algorithm.

**Disclosure:** Depth of Knowledge (DOK) and Elements of Rigor are essential components of the Utah Mathematics Core Standards. As such, DOK and Elements of Rigor are integrated into the Readiness, Improvement, Success, Empowerment (RISE) assessment items. All students will see a variety of DOK and Elements of Rigor on the RISE summative assessment.



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# Utah RISE Mathematics Blueprint

## Grade 3

### 45 Operational Items

Domain	Min.	Max.
Operations and Algebraic Thinking (OA)	29%	38%
Number and Operations in Base Ten (NBT)	18%	22%
Number and Operations - Fractions (NF)	27%	31%
Measurement and Data and Geometry (MD/G)	18%	22%
DOK 1	18%	31%
DOK 2	38%	58%
DOK 3	9%	20%

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## Grade 4

### 50 Operational Items

Domain	Min.	Max.
Operations and Algebraic Thinking (OA)	18%	22%
Number and Operations in Base Ten (NBT)	28%	32%
Number and Operations - Fractions (NF)	28%	32%
Measurement and Data and Geometry (MD/G)	16%	22%
DOK 1	22%	44%
DOK 2	44%	58%
DOK 3	12%	22%

**Note:** The percentages shown represent target aggregate values; individual student experiences will vary based on the adaptive algorithm.

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## Grade 5

### 50 Operational Items

Domain	Min.	Max.
Operations and Algebraic Thinking (OA)	16%	20%
Number and Operations in Base Ten (NBT)	30%	36%
Number and Operations - Fractions (NF)	28%	34%
Measurement and Data and Geometry (MD/G)	18%	22%
DOK 1	16%	28%
DOK 2	50%	64%
DOK 3	10%	24%

**Note:** The percentages shown represent target aggregate values; individual student experiences will vary based on the adaptive algorithm.

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## Grade 6

### 50 Operational Items

Domain	Min.	Max.
Ratios and Proportional Relationships (RP)	28%	32%
The Number System (NS)	18%	22%
Expressions and Equations (EE)	28%	34%
Geometry/Statistics and Probability (G/SP)	16%	20%
DOK 1	24%	37%
DOK 2	46%	62%
DOK 3	8%	20%

**Note:** The percentages shown represent target aggregate values; individual student experiences will vary based on the adaptive algorithm.

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## Grade 7

### 50 Operational Items

Domain	Min.	Max.
Ratio and Proportions	22%	26%
Expressions and Equations	16%	20%
The Number System	18%	22%
Geometry	18%	22%
Statistics and Probability	18%	22%
DOK 1	12%	24%
DOK 2	48%	60%
DOK 3	20%	26%

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## Grade 8

### 50 Operational Items

Domain	Min.	Max.
Functions	20%	24%
Expressions and Equations	20%	24%
Geometry / The Number System	34%	40%
Statistics and Probability	16%	20%
DOK 1	20%	30%
DOK 2	40%	50%
DOK 3	20%	26%

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# Utah RISE Mathematics Blueprint

## Secondary Mathematics I\*

### 40 Operational Items

Domain	Min.	Max.
Algebra	30%	35%
Number Quantity/Functions/ Statistics and Probability	25%	38%
Geometry	30%	35%
DOK 1	15%	25%
DOK 2	45%	55%
DOK 3	25%	28%

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