

OKLAHOMA SCHOOL TESTING PROGRAM

TEST BLUEPRINT **MATHEMATICS** **GRADE 3**

This blueprint describes the content and structure of an assessment and defines the ideal number of test items by strand and standard of the Oklahoma Academic Standards (OAS).

IDEAL PERCENTAGE OF ITEMS	IDEAL NUMBER OF ITEMS	STRANDS AND STANDARDS
46%	23	NUMBER AND OPERATIONS 3.N.1 Number Sense 3.N.2 Number Operations (8) 3.N.4 Money (3) 3.N.3 Fractions
14%	7	ALGEBRAIC REASONING AND ALGEBRA 3.A.1 Numerical and Geometric Patterns (4) 3.A.2 Equations (3)
28%	14	GEOMETRY AND MEASUREMENT 3.GM.1 Describe and Create Shapes (4) 3.GM.3 Time (3) 3.GM.2 Measurement
12%	6	DATA AND PROBABILITY 3.D.1 Data Analysis
100%	50	TOTAL

Please note this blueprint does not include items that may be field-tested. A minimum of 6 items is required to report a standard.



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TEST BLUEPRINT MATHEMATICS GRADE 4

This blueprint describes the content and structure of an assessment and defines the ideal number of test items by strand and standard of the Oklahoma Academic Standards (OAS).

IDEAL PERCENTAGE OF ITEMS	IDEAL NUMBER OF ITEMS	STRANDS AND STANDARDS
44%	22	NUMBER AND OPERATIONS 4.N.1 Number Operations 4.N.2 Rational Numbers (10) 4.N.3 Money (3)
16%	8	ALGEBRAIC REASONING AND ALGEBRA 4.A.1 Numerical Patterns (4) 4.A.2 Equations (4)
28%	14	GEOMETRY AND MEASUREMENT 4.GM.1 Polygons and Polyhedra 4.GM.2 Measurement (5) 4.GM.3 Time (3)
12%	6	DATA AND PROBABILITY 4.D.1 Data Analysis
100%	50	TOTAL

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TEST BLUEPRINT **MATHEMATICS** **GRADE 5**

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IDEAL PERCENTAGE OF ITEMS	IDEAL NUMBER OF ITEMS	STRANDS AND STANDARDS
46%	23	NUMBER AND OPERATIONS 7 5.N.1 Division of Multi-digit Numbers 8 5.N.2 Fractions and Decimals 8 5.N.3 Add and Subtract Rational Numbers
18%	9	ALGEBRAIC REASONING AND ALGEBRA 9 5.A.1 Numerical Patterns and Graphs (4) 5.A.2 Equations and Inequalities (5)
24%	12	GEOMETRY AND MEASUREMENT 12 5.GM.1 Polygons and Polyhedra (4) 5.GM.2 Volume and Surface Area (4) 5.GM.3 Angles (4)
12%	6	DATA AND PROBABILITY 6 5.D.1 Data Analysis
100%	50	TOTAL

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TEST BLUEPRINT **MATHEMATICS** **GRADE 6**

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IDEAL PERCENTAGE OF ITEMS	IDEAL NUMBER OF ITEMS	STRANDS AND STANDARDS
40%	20	NUMBER AND OPERATIONS 6.N.1 Number Sense of Integers and Rational Numbers (3) 6.N.2 Addition and Subtraction of Integers (4) 6.N.3 Ratios (7) 6.N.4 Multiplication and Division of Rational Numbers (6)
22%	11	ALGEBRAIC REASONING AND ALGEBRA 6.A.1 Algebraic Representations (4) 6.A.2 Algebraic Expressions (4) 6.A.3 Equations and Inequalities (3)
24%	12	GEOMETRY AND MEASUREMENT 6.GM.1 Area of Parallelograms and Triangles (3) 6.GM.2 Angle Relationships on Intersecting Lines (3) 6.GM.3 Units of Measurement and Unit Conversions (2) 6.GM.4 Congruency and Symmetry of Transformations (4)
14%	7	DATA AND PROBABILITY 6.D.1 Data Analysis (4) 6.D.2 Probability (3)
100%	50	TOTAL

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TEST BLUEPRINT MATHEMATICS GRADE 7

This blueprint describes the content and structure of an assessment and defines the ideal number of test items by strand and standard of the Oklahoma Academic Standards (OAS).

IDEAL PERCENTAGE OF ITEMS	IDEAL NUMBER OF ITEMS	STRANDS AND STANDARDS
20%	10	NUMBER AND OPERATIONS 7.N.1 Representation and Comparison of Rational Numbers (4) 7.N.2 Number Operations and Absolute Value (6)
30%	15	ALGEBRAIC REASONING AND ALGEBRA 7.A.1 Proportional Relationships (4) 7.A.2 Proportions, Rates and Ratios (5) 7.A.3 Linear Equations and Inequalities (4) 7.A.4 Order of Operations (2)
30%	15	GEOMETRY AND MEASUREMENT 7.GM.1 Surface Area and Volume of Rectangular Prisms (2) 7.GM.2 Trapezoids and Composite Figures (2) 7.GM.3 Circles (5) 7.GM.4 Transformations
20%	10	DATA AND PROBABILITY 7.D.1 Data Analysis (6) 7.D.2 Probability (4)
100%	50	TOTAL

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TEST BLUEPRINT **MATHEMATICS** **GRADE 8**

This blueprint describes the content and structure of an assessment and defines the ideal number of test items by strand and standard of the Oklahoma Academic Standards (OAS).

IDEAL PERCENTAGE OF ITEMS	IDEAL NUMBER OF ITEMS	STRANDS AND STANDARDS
18%	9	NUMBER AND OPERATIONS PA.N.1 Real Number Operations
46%	23	ALGEBRAIC REASONING AND ALGEBRA PA.A.1 Linear and Non-Linear Functions PA.A.2 Linear Function Representations and Problem Solving PA.A.3 Algebraic Expressions (4) PA.A.4 Equations and Inequalities (5)
20%	10	GEOMETRY AND MEASUREMENT PA.GM.1 Pythagorean Theorem (4) PA.GM.2 Surface Area and Volume (6)
16%	8	DATA AND PROBABILITY PA.D.1 Data Analysis and Scatter Plots (4) PA.D.2 Probability (4)
100%	50	TOTAL

Please note this blueprint does not include items that may be field-tested. A minimum of 6 items is required to report a standard.

