

OKLAHOMA SCHOOL TESTING PROGRAM TEST BLUEPRINT MATHEMATICS GRADE 3



This blueprint describes the content and structure of an assessment and defines the ideal range of test items by standard of the [Oklahoma Academic Standards \(OAS\)](#).

IDEAL
PERCENTAGE
OF ITEMS

STRANDS AND
STANDARDS

44–48%

NUMBER AND OPERATIONS

- › 3.N.1 Compare and Represent Whole Numbers
- › 3.N.2 Number Operations
- › 3.N.3 Fractions
- › 3.N.4 Money

12–18%

ALGEBRAIC REASONING AND ALGEBRA

- › 3.A.1 Numeric and Geometric Patterns
- › 3.A.2 Equations

22–26%

GEOMETRY AND MEASUREMENT

- › 3.GM.1 Describe and Create Shapes
- › 3.GM.2 Measurement
- › 3.GM.3 Time

12–18%

DATA AND PROBABILITY

- › 3.D.1 Data Organization and Analysis

100%

TOTAL: 50 ITEMS

Standards will be assessed using a combination of multiple choice items; some are linked with a common stimulus and some are technology-enhanced items.

Reporting category names are taken from the Strands and Standards named in the OAS-Mathematics.

(Please note this blueprint does not include items that may be field-tested.)



OKLAHOMA SCHOOL TESTING PROGRAM TEST BLUEPRINT MATHEMATICS GRADE 4



This blueprint describes the content and structure of an assessment and defines the ideal range of test items by standard of the [Oklahoma Academic Standards \(OAS\)](#).

IDEAL
PERCENTAGE
OF ITEMS

STRANDS AND
STANDARDS

42–46%

NUMBER AND OPERATIONS

- › 4.N.1 Compare and Represent Whole Numbers
- › 4.N.2 Multiplication and Division
- › 4.N.3 Fractions and Decimals
- › 4.N.4. Money

12–18%

ALGEBRAIC REASONING AND ALGEBRA

- › 4.A.1 Numeric Patterns
- › 4.A.2 Equations

24–28%

GEOMETRY AND MEASUREMENT

- › 4.GM.1 Polygons and Three-dimensional Figures
- › 4.GM.2 Measurement
- › 4.GM.3 Time

12–18%

DATA AND PROBABILITY

- › 4.D.1 Data Organization and Analysis

100%

TOTAL: 50 ITEMS

Standards will be assessed using a combination of multiple choice items; some are linked with a common stimulus and some are technology-enhanced items.

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OKLAHOMA SCHOOL TESTING PROGRAM TEST BLUEPRINT MATHEMATICS GRADE 5



This blueprint describes the content and structure of an assessment and defines the ideal range of test items by standard of the [Oklahoma Academic Standards \(OAS\)](#).

IDEAL
PERCENTAGE
OF ITEMS

STRANDS AND
STANDARDS

42–46%

NUMBER AND OPERATIONS

- › 5.N.1 Fractions and Decimals
- › 5.N.2 Division of Multi-digit Numbers
- › 5.N.3 Add and Subtract Fractions, Mixed Numbers, and Decimals

14–20%

ALGEBRAIC REASONING AND ALGEBRA

- › 5.A.1 Numerical Patterns and Graphs
- › 5.A.2 Expressions, Equations, and Inequalities

22–26%

GEOMETRY AND MEASUREMENT

- › 5.GM.1 Two- and Three-dimensional Figures
- › 5.GM.2 Volume and Perimeter
- › 5.GM.3 Angles, Length, Weight, and Capacity

12–18%

DATA AND PROBABILITY

- › 5.D.1 Data Creation and Analysis

100%

TOTAL: 50 ITEMS

Standards will be assessed using a combination of multiple choice items; some are linked with a common stimulus and some are technology-enhanced items.

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OKLAHOMA SCHOOL TESTING PROGRAM TEST BLUEPRINT MATHEMATICS GRADE 6



This blueprint describes the content and structure of an assessment and defines the ideal range of test items by standard of the [Oklahoma Academic Standards \(OAS\)](#).

IDEAL
PERCENTAGE
OF ITEMS

STRANDS AND
STANDARDS

38–42%

NUMBER AND OPERATIONS

- › 6.N.1 Number Sense of Integers and Rational Numbers
- › 6.N.2 Addition and Subtraction of Integers
- › 6.N.3 Ratios
- › 6.N.4 Multiplication and Division of Rational Numbers

20–24%

ALGEBRAIC REASONING AND ALGEBRA

- › 6.A.1 Algebraic Representations
- › 6.A.2 Algebraic Expressions
- › 6.A.3 Equations and Inequalities

22–26%

GEOMETRY AND MEASUREMENT

- › 6.GM.1 Congruency and Symmetry of Transformations
- › 6.GM.2 Area of Squares, Parallelograms, and Triangles
- › 6.GM.3 Angle Relationships on Intersecting Lines and Triangle Angles
- › 6.GM.4 Units of Measure and Unit Conversions

12–16%

DATA AND PROBABILITY

- › 6.D.1 Data Interpretation and Analysis
- › 6.D.2 Probability

100%

TOTAL: 50 ITEMS

Standards will be assessed using a combination of multiple choice items; some are linked with a common stimulus and some are technology-enhanced items.

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OKLAHOMA SCHOOL TESTING PROGRAM TEST BLUEPRINT MATHEMATICS GRADE 7



This blueprint describes the content and structure of an assessment and defines the ideal range of test items by standard of the [Oklahoma Academic Standards \(OAS\)](#).

IDEAL
PERCENTAGE
OF ITEMS

STRANDS AND
STANDARDS

16–20%

NUMBER AND OPERATIONS

- › 7.N.1 Representation and Comparison of Rational Numbers and Absolute Value
- › 7.N.2 Number Operations

26–30%

ALGEBRAIC REASONING AND ALGEBRA

- › 7.A.1 Proportional Relationships
- › 7.A.2 Proportions, Rates and Ratios
- › 7.A.3 Linear Equations and Inequalities
- › 7.A.4 Order of Operations and Properties

30–36%

GEOMETRY AND MEASUREMENT

- › 7.GM.1 Surface Area and Volume of Rectangular Prisms
- › 7.GM.2 Trapezoids and Composite Figures
- › 7.GM.3 Weights, Capacities, and Circles
- › 7.GM.4 Transformations

18–24%

DATA AND PROBABILITY

- › 7.D.1 Data Interpretation and Analysis
- › 7.D.2 Probability

100%

TOTAL: 50 ITEMS

Standards will be assessed using a combination of multiple choice items; some are linked with a common stimulus and some are technology-enhanced items.

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OKLAHOMA SCHOOL TESTING PROGRAM TEST BLUEPRINT MATHEMATICS GRADE 8



This blueprint describes the content and structure of an assessment and defines the ideal range of test items by standard of the [Oklahoma Academic Standards \(OAS\)](#).

IDEAL
PERCENTAGE
OF ITEMS

STRANDS AND
STANDARDS

16–20%

NUMBER AND OPERATIONS

- › PA.N.1 Real Number Operations

44–48%

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
- › PA.A.4 Equations and Inequalities

18–22%

GEOMETRY AND MEASUREMENT

- › PA.GM.1 Pythagorean Theorem
- › PA.GM.2 Surface Area and Volume

14–18%

DATA AND PROBABILITY

- › PA.D.1 Data Analysis and Scatter Plots
- › PA.D.2 Probability

100%

TOTAL: 50 ITEMS

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