The tables that follow are designed to provide information about the content of each benchmark modular assessment **by grade and subject**. In the table you will find the name of the benchmark module, the test name, a brief description of the skills the module assesses, the number of forms available, the number of test items on each form, and the standards assessed for each module.

For grades 3-5, no calculator is allowed for any module. For grade 6, only the embedded calculator is allowed on certain modules. Handheld calculators are not allowed for any module. The embedded calculator information is specified in the "Module" column. For grades 7-8 and SM1, the embedded calculator or a handheld calculator is allowed for all the modules. The modules that include an embedded calculator mirror the Summative tests or test segment that includes an embedded calculator. For more information on allowable calculators for Grades 6, 7, 8, and SM1, please see the RISE *Test Administration Manual*.

Benchmark Modules: Mathematics Grade 3

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 3 Geometry 1 – 2	3G1	This test measures the student's ability to reason with shapes and their attributes.	2	5	3.G.1 3.G.2
Math Grade 3 Measurement and Data 1 – 2	3MD1	This test measures the student's ability to solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	4	5	3.MD.1 3.MD.2
Math Grade 3 Measurement and Data 3 – 4	3MD3	This test measures the student's ability to represent and interpret data.	2	5	3.MD.3 3.MD.4
Math Grade 3 Measurement and Data 5 – 6	3MD5	This test measures the student's ability to understand concepts of area.	2	5	3.MD.5a 3.MD.5b 3.MD.6
Math Grade 3 Measurement and Data 7	3MD7	This test measures the student's ability to relate area to the operations of multiplication and addition.	3	5	3.MD.7a 3.MD.7b 3.MD.7c 3.MD.7d
Math Grade 3 Measurement and Data 8	3MD8	This test measures the student's ability to recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	2	5	3.MD.8
Math Grade 3 Number and Operations in Base Ten 1 and 3	3NBT1and3	This test measures the student's ability to use place value understanding and properties of operations to perform multi-digit arithmetic.	3	5	3.NBT.1 3.NBT.3

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 3 Number and Operations in Base Ten 2	3NBT2	This test measures the student's ability to fluently add and subtract within 1,000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	4	5	3.NBT.2
Math Grade 3 Number and Operations – Fractions 1 – 2	3NF1	This test measures the student's ability to develop understanding of fractions as numbers.	4	6	3.NF.1a 3.NF.1b 3.NF.2a 3.NF.2b
Math Grade 3 Number and Operations – Fractions 3	3NF3	This test measures the student's ability to explain equivalent of fractions in special cases and compare fractions by reasoning about their size.	4	5	3.NF.3a 3.NF.3b 3.NF.3c 3.NF.3d
Math Grade 3 Operations and Algebraic Thinking 1 – 4	3OA1	This test measures the student's ability to represent and solve problems involving multiplication and division within 100.	4	5	3.OA.1 3.OA.2 3.OA.3 3.OA.4
Math Grade 3 Operations and Algebraic Thinking 5 – 6	3OA5	This test measures the student's ability to demonstrate understanding of the properties of multiplication and the relationship between multiplication and division.	4	5	3.OA.5 3.OA.6
Math Grade 3 Operations and Algebraic Thinking 7	3OA7	This test measures the student's ability to fluently multiply and divide.	3	5	3.OA.7a 3.OA.7b
Math Grade 3 Operations and Algebraic Thinking 8 – 9	3OA8	This test measures the student's ability to use the four operations to identify and explain patterns in arithmetic.	4	5	3.OA.8a 3.OA.8b 3.OA.9

Benchmark Modules: Mathematics Grade 4

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 4 Geometry 1 – 3	4G1	This test measures the student's ability to draw and identify lines and angles, as well as classify shapes by properties of their lines and angles.	2	5	4.G.1 4.G.2 4.G.3
Math Grade 4 Measurement and Data 1 – 2	4MD1	This test measures the student's ability to solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.	2	6	4.MD.1 4.MD.2a 4.MD.2b
Math Grade 4 Measurement and Data 3	4MD3	This test measures the student's ability to apply knowledge of area and perimeter to solve real-world and mathematical problems.	2	5	4.MD.3
Math Grade 4 Measurement and Data 4	4MD4	This test measures the student's ability to represent and interpret data through the use of a line plot.	2	5	4.MD.4
Math Grade 4 Measurement and Data 5 – 7	4MD5	This test measures the student's ability to understand various concepts of angles and angle measurement.	3	5	4.MD.5a 4.MD.5b 4.MD.6 4.MD.7a 4.MD.7b
Math Grade 4 Number and Operations in Base Ten 1 – 3	4NBT1	This test measures the student's ability to generalize place value understanding for multi-digit whole numbers by analyzing patterns, writing whole numbers in a variety of ways, making comparisons, and rounding.	4	5	4.NBT.1 4.NBT.2 4.NBT.3
Math Grade 4 Number and Operations in Base Ten 4	4NBT4	This test measures the student's ability to fluently add and subtract multi-digit whole numbers using the standard algorithm.	4	5	4.NBT.4
Math Grade 4 Number and Operations in Base Ten 5 – 6	4NBT5	This test measures the student's ability to use place value understanding and properties of operations to perform multi-digit multiplication and division using a one-digit divisor.	4	5	4.NBT.5 4.NBT.6
Math Grade 4 Number and Operations – Fractions 1 – 2	4NF1	This test measures the student's ability to extend understanding of equivalence and ordering of fractions.	4	5	4.NF.1 4.NF.2

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 4 Number and Operations – Fractions 3	4NF3	This test measures the student's ability to understand a fraction a/b with a>1 as a sum of fractions 1/b.	4	5	4.NF.3a 4.NF.3b 4.NF.3c 4.NF.3d
Math Grade 4 Number and Operations – Fractions 4	4NF4	This test measures the student's ability to apply and extend previous understandings of multiplication to multiply a fraction by a whole number.	4	6	4.NF.4a 4.NF.4b 4.NF.4c
Math Grade 4 Number and Operations – Fractions 5 – 7	4NF5	This test measures the student's ability to understand decimal notation to the hundredths and compare decimal fractions with denominators of 10 and 100.	4	5	4.NF.5 4.NF.6 4.NF.7
Math Grade 4 Operations and Algebraic Thinking 1 – 3	4OA1	This test measures the student's ability to use the four operations with whole numbers to solve problems.	4	5	4.OA.1 4.OA.2 4.OA.3a 4.OA.3b
Math Grade 4 Operations and Algebraic Thinking 4 – 5	4OA4	This test measures the student's ability to gain familiarity with factors and multiples and to generate and analyze numeric and shape patterns.	2	5	4.OA.4 4.OA.5

Benchmark Modules: Mathematics Grade 5

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 5 Geometry 1 – 2	5G1	This test measures the student's ability to graph points on the coordinate plane to solve real-world and mathematical problems in quadrant one.	2	5	5.G.1a 5.G.1b 5.G.2
Math Grade 5 Geometry 3 – 4	5G3	This test measures the student's ability to classify two-dimensional figures into categories based on their properties.	2	5	5.G.3 5.G.4
Math Grade 5 Measurement and Data 1 – 2	5MD1	This test measures the student's ability to convert like measurement units within a given measurement system and to represent and interpret data.	2	5	5.MD.1 5.MD.2
Math Grade 5 Measurement and Data 3 – 4	5MD3	This test measures the student's ability to understand concepts of geometric measurement and volume.	4	5	5.MD.3a 5.MD.3b 5.MD.4
Math Grade 5 Measurement and Data 5	5MD5	This test measures the student's ability to relate volume to the operations of multiplication and addition and solve real-world and mathematical problems involving volume.	4	5	5.MD.5a 5.MD.5b 5.MD.5c
Math Grade 5 Number and Operations in Base Ten 1 – 4	5NBT1	This test measures the student's ability to understand the place value system.	4	5	5.NBT.1 5.NBT.2 5.NBT.3a 5.NBT.3b 5.NBT.4
Math Grade 5 Number and Operations in Base Ten 5	5NBT5	This test measures the student's ability to fluently multiply multi-digit whole numbers using the standard algorithm.	3	5	5.NBT.5
Math Grade 5 Number and Operations in Base Ten 6 – 7	5NBT6	This test measures the student's ability to perform operations with multi-digit whole numbers and with decimals to hundredths.	4	5	5.NBT.6 5.NBT.7
Math Grade 5 Number and Operations – Fractions 1 – 2	5NF1	This test measures the student's ability to use equivalent fractions as a strategy to add and subtract fractions.	4	5	5.NF.1 5.NF.2
Math Grade 5 Number and Operations – Fractions 3 & 7	5NF3and7	This test measures the student's ability to apply and extend previous understanding of division to divide fractions.	4	5	5.NF.3 5.NF.7a 5.NF.7b 5.NF.7c

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 5 Number and Operations – Fractions 4 – 6	5NF4	This test measures the student's ability to apply and extend previous understanding of multiplication to multiply fractions.	4	5	5.NF.4a 5.NF.4b 5.NF.5a 5.NF.5b 5.NF.6
Math Grade 5 Operations and Algebraic Thinking 1 – 2	5OA1	This test measures the student's ability to write and interpret numerical expressions.	3	6	5.OA.1 5.OA.2a 5.OA.2b
Math Grade 5 Operations and Algebraic Thinking 3	5OA3	This test measures the student's ability to analyze patterns and relationships.	2	5	5.OA.3

Benchmark Modules: Mathematics Grade 6

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 6 Expressions & Equations 1 – 2 (No calculator allowed)	6EE1	This test measures the student's ability to apply and extend previous understandings of arithmetic expressions involving exponents and variables.	4	5	6.EE.1 6.EE.2a 6.EE.2b 6.EE.2c
Math Grade 6 Expressions & Equations 3 – 4 (No calculator allowed)	6EE3	This test measures the student's ability to identify and generate equivalent expressions.	3	5	6.EE.3 6.EE.4
Math Grade 6 Expressions & Equations 5 – 8 (No calculator allowed)	6EE5	This test measures the student's ability to reason about and solve one-variable equations and inequalities.	4	5	6.EE.5 6.EE.6 6.EE.7 6.EE.8
Math Grade 6 Expressions & Equations 9 (No calculator allowed)	6EE9	This test measures the student's ability to represent and analyze quantitative relationships between dependent and independent variables in a real-world context.	3	5	6.EE.9
Math Grade 6 Geometry 1 – 4 (Embedded calculator included/Handheld **not** allowed)	6G1	This test measures the student's ability to solve real-world and mathematical problems involving area, surface area, and volume.	2	5	6.G.1 6.G.2 6.G.3 6.G.4
Math Grade 6 Statistics and Probability 1 – 3 (Embedded calculator included/Handheld **not** allowed)	6SP1	This test measures the student's ability to develop understanding of statistical variability of data.	2	5	6.SP.1 6.SP.2 6.SP.3
Math Grade 6 Statistics and Probability 4 – 5 (Embedded calculator included/Handheld **not** allowed)	6SP4	This test measures the student's ability to summarize and describe distributions.	2	6	6.SP.4 6.SP.5a 6.SP.5c 6.SP.5d
Math Grade 6 Ratios and Proportional Relationships 1 – 3 (No calculator allowed)	6RP1	This test measures the student's ability to understand ratio concepts and use ratio reasoning to solve problems.	5	6	6.RP.1 6.RP.2 6.RP.3a 6.RP.3b 6.RP.3c 6.RP.3d
Math Grade 6 The Number System 1 (No calculator allowed)	6NS1	This test measures the student's ability to apply and extend previous understandings of multiplication and division of whole numbers to divide fractions by fractions.	3	5	6.NS.1a 6.NS.1b 6.NS.1c

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 6 The Number System 2 – 4 (No calculator allowed)	6NS2	This test measures the student's ability to compute fluently with multi-digit numbers and decimals and find common factors and multiples.	4	5	6.NS.2 6.NS.3 6.NS.4
Math Grade 6 The Number System 5 – 6 (No calculator allowed)	6NS5	This test measures the student's ability to understand positive and negative numbers are used to describe quantities and understand a rational number as a point on the number line.	4	5	6.NS.5 6.NS.6a 6.NS.6b 6.NS.6c
Math Grade 6 The Number System 7 – 8 (No calculator allowed)	6NS7	This test measures the student's ability to understand ordering and absolute value of rational numbers and solve real-world and mathematical problems by graphic points in all four quadrants.	4	5	6.NS.7a 6.NS.7b 6.NS.7c 6.NS.8

Benchmark Modules: Mathematics Grade 7

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 7 Expressions and Equations 1 – 2	7EE1	This test measures the student's ability to use properties of operations to generate equivalent expressions.	4	5	7.EE.1 7.EE.2
Math Grade 7 Expressions and Equations 3 – 4	7EE3	This test measures the student's ability to solve real-life and mathematical problems using numerical and algebraic expressions and equations.	4	5	7.EE.3 7.EE.4a 7.EE.4b
Math Grade 7 Geometry 1 – 3	7G1	This test measures the student's ability to draw, construct, and describe geometrical figures, and describe the relationships between them.	2	5	7.G.1 7.G.2 7.G.3
Math Grade 7 Geometry 4 – 6	7G4	This test measures the student's ability to solve real-life and mathematical problems involving angle measure, area, surface area, and volume.	3	5	7.G.4 7.G.5 7.G.6
Math Grade 7 Ratios and Proportional Relationships 1 – 3	7RP1	This test measures the student's ability to analyze proportional relationships and use them to solve real-world and mathematical problems.	5	6	7.RP.1 7.RP.2a 7.RP.2b 7.RP.2c 7.RP.2d 7.RP.3
Math Grade 7 Statistics and Probability 1 – 2	7SP1	This test measures the student's ability to use random sampling to draw inferences about a population.	2	5	7.SP.1 7.SP.2
Math Grade 7 Statistics and Probability 3 – 4	7SP3	This test measures the student's ability to draw informal comparative inferences about two populations.	2	5	7.SP.3 7.SP.4
Math Grade 7 Statistics and Probability 5 – 7	7SP5	This test measures the student's ability to investigate chance processes and develop, use, and evaluate probability models.	3	5	7.SP.5 7.SP.6 7.SP.7a 7.SP.7b
Math Grade 7 Statistics and Probability 8	7SP8	This test measures the student's ability to find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.	2	5	7.SP.8a 7.SP.8b 7.SP.8c

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 7 The Number System 1	7NS1	This test measures the student's ability to apply and extend previous understandings of addition and subtraction to add and subtract rational numbers.	2	5	7.NS.1a 7.NS.1b 7.NS.1c 7.NS.1d
Math Grade 7 The Number System 2	7NS2	This test measures the student's ability to apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.	2	6	7.NS.2a 7.NS.2b 7.NS.2c 7.NS.2d
Math Grade 7 The Number System 3	7NS3	This test measures the student's ability to solve real-world and mathematical problems involving the four operations with rational numbers.	2	5	7.NS.3

Benchmark Modules: Mathematics Grade 8

Benchmark Module	Test Name	Description	Number of Forms	Number of Items per Form	Standards
Math Grade 8 Expressions and Equations 1 – 4	8EE1	This test measures the student's ability to work with radical and integer exponents.	5	5	8.EE.1 8.EE.2 8.EE.3 8.EE.4
Math Grade 8 Expressions and Equations 5 – 6	8EE5	This test measures the student's ability to understand the connections between proportional relationships, lines, and linear relationships.	3	5	8.EE.5 8.EE.6
Math Grade 8 Expressions and Equations 7	8EE7	This test measures the student's ability to solve linear equations and inequalities in one variable.	4	5	8.EE.7a 8.EE.7b 8.EE.7c
Math Grade 8 Expressions and Equations 8	8EE8	This test measures the student's ability to analyze and solve pairs of simultaneous linear equations.	3	6	8.EE.8a 8.EE.8b 8.EE.8c
Math Grade 8 Functions 1 – 3	8F1	This test measures the student's ability to define, evaluate, and compare functions.	4	6	8.F.1 8.F.2 8.F.3
Math Grade 8 Functions 4 – 5	8F4	This test measures the student's ability to use functions to model relationships between quantities.	4	5	8.F.4 8.F.5
Math Grade 8 Geometry 1 – 5	8G1	This test measures the student's ability to understand congruence and similarity using physical models, transparencies, or geometry software.	5	7	8.G.1a 8.G.1b 8.G.1c 8.G.2 8.G.3 8.G.4 8.G.5
Math Grade 8 Geometry 6 – 8	8G6	This test measures the student's ability to understand and apply the Pythagorean Theorem and its converse.	4	6	8.G.6 8.G.7 8.G.8
Math Grade 8 Geometry 9	8G9	This test measures the student's ability to solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.	2	5	8.G.9
Math Grade 8 Number System 1 – 3	8NS1	This test measures the student's ability to know that there are numbers that are not rational and approximate them by rational numbers.	2	5	8.NS.1 8.NS.2 8.NS.3
Math Grade 8 Statistics and Probability 1 – 4	8SP1	This test measures the student's ability to investigate patterns of association in bivariate data.	3	6	8.SP.1 8.SP.2 8.SP.3 8.SP.4

Benchmark Modules: Secondary Mathematics 1

Test Name	What This Test Measures	Form	Number of Items	Standards
Benchmark Module: Math SM1 – Algebra	This test measures the student's ability to solve systems of equations, represent and solve equations and inequalities graphically, create equations that describe numbers or relationships, and solve equations and inequalities in one variable.	1	10	A-CED.1 A-CED.2 A-REI.10 A-REI.12 A-REI.3a A-REI.6
		2	10	A-CED.1 A-CED.3 A-REI.10 A-REI.12 A-REI.3a A-REI.3b A-REI.6
		3	10	A-CED.2 A-REI.12 A-REI.3a A-REI.6
Benchmark Module: Math SM1 – Geometry	This test measures the student's ability to experiment with transformations in the plane, use coordinates to prove simple geometric theorems algebraically, make geometric constructions, and understand congruence in terms of rigid motions.	1	9	G-CO.2 G-CO.5 G-CO.7 G-CO.8 G-CO.12 G-GPE.5
		2	9	G-CO.2 G-CO.3 G-CO.5 G-CO.7 G-CO.8 G-CO.12 G-GPE.5 G-GPE.7
		3	9	G-CO.2 G-CO.3 G-CO.5 G-CO.7 G-CO.8 G-CO.12 G-GPE.5

Test Name	What This Test Measures	Form	Number of Items	Standards
Benchmark Module: Math SM1 – Number Quantity/Functions/ Statistics and Probability	This test measures the student's ability to construct and compare linear, quadratic, and exponential models and solve problems; interpret functions that arise in applications in terms of the context; build a function that models a relationship between two quantities; analyze functions using different representations; reason quantitatively and use units to solve problems; understand the concept of a function and use function notation; and summarize, represent, and interpret data on a single count or measurement variable.	1	10	F-BF.1a F-IF.2 F-IF.4 F-IF.7a F-LE.1c N-Q.3 S-ID.2 S-ID.7
		2	10	F-BF.1a F-IF.2 F-IF.4 F-IF.7a F-LE.1c F-LE.2 N-Q.1 S-ID.3 S-ID.6c
		3	10	F-BF.1b F-IF.2 F-IF.4 F-IF.7a F-IF.9 F-LE.1c N-Q.1 S-ID.2 S-ID.3
		4	10	F-BF.2 F-IF.1 F-IF.2 F-IF.4 F-IF.7a F-LE.1c N-Q.1 N-Q.2 S-ID.3