Grade 3

Utah State Standards Blueprint

Important Information:

- The purpose of test blueprints is to make sure that the intended breadth and depth of the curriculum is represented on the CRTs.
- The item counts provided in the blueprint (below) are the number of items which contribute to a student's CRT score (operational items).
- Blueprints have been reduced to allow piloting of new items without increasing the total time needed for testing.
- The Grade 3 Utah Math CRT should be administered in 2 separate testing sessions

Reporting Category/Domain	Cluster	Number of Items per Cluster	Reporting Category Total
Operations and Algebraic Thinking (OA)	Represent and solve problems involving multiplication and division.	4	15
	Understand properties of multiplication and the relationship between multiplication and division.	4	
	Multiply and divide within 100.	3	
	Solve problems involving the four operations, and identify and explain patterns in arithmetic.	4	
Numbers and Operations in Base Ten (NBT)	Use place value understanding and properties of operations to perform multi-digit arithmetic.4	7	7

Numbers and Operations – Fractions (NF)	Develop understanding of fractions as numbers	8	8
Measurement and Data	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	4	13
	Represent and interpret data.	2	
	Geometric measurement: understand concepts of area and relate area to multiplication and to addition.	5	
	Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	2	
Geometry	Reason with shapes and their attributes.	7	7

While every effort is made to have the CRTs match the blueprint exactly, this is not guaranteed. The expected values within a blueprint can and do sometimes fluctuate, however; very minimally. The overall totals and percentages in all categories have a high degree of consistency.

Grade 4

Utah State Standards Blueprint

Important Information:

- The purpose of test blueprints is to make sure that the intended breadth and depth of the curriculum is represented on the CRTs.
- The item counts provided in the blueprint (below) are the number of items which contribute to a student's CRT score (operational items).
- Blueprints have been reduced to allow piloting of new items without increasing the total time needed for testing.
- The Grade 4 Utah Math CRT should be administered in 2 separate testing sessions

Reporting Category/Domain	Cluster	Number of Items per Cluster	Reporting Category Total
Operations and Algebraic Thinking (OA)	Use the four operations with whole numbers to solve problems	6	13
	Gain familiarity with factors and multiples.	4	
	Generate and analyze patterns.	3	
Numbers and Operations in Base Ten (NBT)	Generalize place value understanding for multi-digit whole numbers.	5	10
	Use place value understanding and properties of operations to perform multi-digit arithmetic.	5	
Numbers and Operations – Fractions (NF)	Extend understanding of fraction equivalence and ordering.	4	14

	Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.	6	
	Understand decimal notation for fractions, and compare decimal fractions.	4	
Measurement and Data	Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.	8	15
	Represent and interpret data.	2	
	Geometric measurement: understand concepts of angle and measure angles.	5	
Geometry	Draw and identify lines and angles, and classify shapes by properties of their lines and angles.	8	8

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Grade 5

Utah State Standards Blueprint

Important Information:

- The purpose of test blueprints is to make sure that the intended breadth and depth of the curriculum is represented on the CRTs.
- The item counts provided in the blueprint (below) are the number of items which contribute to a student's CRT score (operational items).
- Blueprints have been reduced to allow piloting of new items without increasing the total time needed for testing.
- The Grade 5 Utah Math CRT should be administered in 2 separate testing sessions

Reporting Category/Domain	Cluster	Number of Items per Cluster	Reporting Category Total
Operations and Algebraic Thinking (OA)	Write and interpret numerical expressions.	5	9
	Analyze patterns and relationships.	4	
Numbers and Operations in Base Ten (NBT)	Understand the place value system.	5	11
	Perform operations with multi-digit whole numbers and with decimals to hundredths.	6	
Numbers and Operations – Fractions (NF)	Use equivalent fractions as a strategy to add and subtract fractions.	4	14

	Apply and extend previous understandings of multiplication and division to multiply and divide fractions. .	10	
Measurement and Data	Convert like measurement units within a given measurement system.	4	14
	Represent and interpret data.	2	
	Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.	8	
Geometry	Graph points on the coordinate plane to solve real-world and mathematical problems.	5	11
	Classify two-dimensional figures into categories based on their properties.	6	

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Grade 6

Utah State Standards Blueprint

Important Information:

- The purpose of test blueprints is to make sure that the intended breadth and depth of the curriculum is represented on the CRTs.
- The item counts provided in the blueprint (below) are the number of items which contribute to a student's CRT score (operational items).
- Blueprints have been reduced to allow piloting of new items without increasing the total time needed for testing.
- The Grade 6 Utah Math CRT should be administered in 2 separate testing sessions

Reporting Category/Domain	Cluster	Number of Items per Cluster	Reporting Category Total
Ratios and Proportions	Ratio Concepts and Reasoning	8	8
The Number System	Divide Fractions by Fractions	3	17
	Compute fluently/Find GCF and LCM	6	
	Rational Numbers	8	
Expressions and Equations	Algebraic Expressions	7	16
	One-Variable Equations and Inequalities	5	
	Dependent and Independent Variables	4	

Geometry/Statistics and Probability	Area, Surface Area, and Volume	6	19
	Statistical Variability	6	
	Distributions	7	

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