STAAR Standards Snapshot - Grade 3 Math

Rptg Cat	STAAR	STAAR Modified	Readiness Standards	Supporting Standards
1 Numbers, Operations, and Quantitative Reasoning	15	*13*	3.2.C use fraction names and symbols to describe fractional parts of whole objects or sets of objects 3.3.B select addition or subtraction and use the operation to solve problems involving whole numbers through 999 3.4.B solve and record multiplication problems (up to two digits times one digit) 3.4.C use models to solve division problems and use number sentences to record the solutions	3.1.A use place value to read, write (in symbols and words), and describe the value of whole numbers through 999,999 3.1.B use place value to compare and order whole numbers through 9,999 3.1.C determine the value of a collection of coins and bills 3.3.A model addition and subtraction using pictures, words, and numbers 3.4.A learn and apply multiplication facts through 12 by 12 using concrete models and objects 3.5.A round whole numbers to the nearest ten or hundred to approximate reasonable results in problem situations 3.5.B use strategies including rounding and compatible numbers to estimate solutions to addition and subtraction problems
2 Patterns, Relationships, Algebraic Reasoning	8	*6*	3.7.B identify and describe patterns in a table of related number pairs based on a meaningful problem and extend the table	3.6.A identify and extend whole-number and geometric patterns to make predictions and solve problems 3.6.B identify patterns in multiplication facts using concrete objects, pictorial models, or technology 3.6.C identify patterns in related multiplication and division sentences (fact families) such as 2 x 3 = 6, 3 x 2 = 6, 6 ÷ 2 = 3, 6 ÷ 3 = 2 3.7.A generate a table of paired numbers based on a real-life situation such as insects and legs
3 Geometry and Spatial Reasoning	9	*7*	3.8.A identify, classify, and describe two- and three-dimensional geometric figures by their attributes. The student compares two-dimensional figures, three-dimensional figures, or both by their attributes using formal geometry vocabulary 3.10A locate and name points on a number line using whole numbers and fractions, including halves and fourths	3.9.A identify congruent two-dimensional figures 3.9.C identify lines of symmetry in two-dimensional geometric figures
4 Measurement	8	*6*	3.11.B use standard units to find the perimeter of a shape	3.11.A use linear measurement tools to estimate and measure lengths using standard units 3.11.C use concrete and pictorial models of square units to determine the area of two-dimensional surfaces 3.12.A use a thermometer to measure temperature 3.12.B tell and write time shown on analog and digital clocks
5 Probability and Statistics	6	*5*	3.13.A collect, organize, record, and display data in pictographs and bar graphs where each picture or cell might represent more than one piece of data	3.13.B interpret information from pictographs and bar graphs 3.13.C use data to describe events as more likely than, less likely than, or equally likely as
STAAR	**46 (3 Grid)**		**28-30 questions from Readiness Standards**	**16-18 questions from Supporting Standards**
STAAR Modified		***37 (1 Grid)***	***22-24 questions from Readiness Standards***	***13-15 questions from Supporting Standards***

Process Standards Underlying Processes and Mathematical Tools)

STAAR	STAAR Modified	
≥ 75% of items will be dual coded ≈ 35 items will be dual coded	≥ 60% of items will be dual coded ≈ 23 items will be dual coded	3.14.A identify the mathematics in everyday situations 3.14.B solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness 3.14.C select or develop an appropriate problem-solving plan or strategy, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem 3.14.D use tools such as real objects, manipulatives, and technology to solve problems 3.15.A explain and record observations using objects, words, pictures, numbers, and technology 3.15.B relate informal language to mathematical language and symbols 3.16.A make generalizations from patterns or sets of examples and non-examples 3.16.B justify why an answer is reasonable and explain the solution process

Source: Texas Education Agency STAAR Resources

REV Oct 2011