Grade 3 Year-At-A-Glance Math
Sarasota County School District

A Note to Parents: Instructional pacing may vary slightly in each classroom.

Benchmark	Code	Q1	Q2	Q3	Q4
Mathematical Thinking and Reasoning Skills					
Actively participate in effortful learning both individually and collectively.	MA.K12.MTR.1.1	X	X	X	X
Demonstrate understanding by representing problems in multiple ways.	MA.K12.MTR.2.1	X	X	X	X
Complete tasks with mathematical fluency.	MA.K12.MTR.3.1	X	X	X	X
Engage in discussions that reflect on the mathematical thinking of self and others	MA.K12.MTR.4.1	X	X	X	X
Use patterns and structure to help understand and connect mathematical concepts.	MA.K12.MTR.5.1	X	X	X	X
Assess the reasonableness of solutions	MA.K12.MTR.6.1	X	X	X	X
Apply mathematics to real-world contexts	MA.K12.MTR.7.1	X	X	X	X
Number Sense and Operations					
MA.3.NSO.1 Understand the place value of four-digit numbers.					
Read and write numbers from 0 to 10,000 using standard form, expanded form and word form.	MA.3.NSO.1.1	x			
Compose and decompose four-digit numbers in multiple ways using thousands, hundreds, tens and ones. Demonstrate each composition or decomposition using objects, drawings and expressions or equations.	MA.3.NSO.1.2	x			
Plot, order and compare whole numbers up to 10,000.	MA.3.NSO.1.3	x			
Round whole numbers from 0 to 1,000 to the nearest 10 or 100.	MA.3.NSO.1.4	x			
MA.3.NSO.2 Add and subtract multi-digit whole numbers. Build an understanding of multiplication and division operations.					
Add and subtract multi-digit whole numbers including using a standard algorithm with procedural fluency.	MA.3.NSO.2.1	x			
Explore multiplication of two whole numbers with products from 0 to 144, and related division facts.	MA.3.NSO.2.2	x			
Multiply a one-digit whole number by a multiple of 10, up to 90, or a multiple of 100, up to 900, with procedural reliability.	MA.3.NSO.2.3			x	x
Multiply two whole numbers from 0 to 12 and divide using related facts with procedural reliability.	MA.3.NSO.2.4	x	x	x	
Fractions					
MA.3.FR.1 Understand fractions as numbers and represent fractions.					
Represent and interpret unit fractions in the form $1/n$ as the quantity formed by one part when a whole is partitioned into n equal parts.	MA.3.FR.1.1		x	x	
Represent and interpret fractions, including fractions greater than one, in the form of m/n as the result of adding the unit fraction $1/n$ to itself m times.	MA.3.FR.1.2		x		

Read and write fractions, including fractions greater than one, using standard form, numeral-word form and word form.	MA.3.FR.1.3		X		
MA.3.FR.2 Order and compare fractions and identify equivalent fractions.					
Plot, order and compare fractional numbers with the same numerator or the same denominator.	MA.3.FR.2.1		X	X	
Identify equivalent fractions and explain why they are equivalent.	MA.3.FR.2.2		X	X	
Algebraic Reasoning					
MA.3.AR.1 Solve multiplication and division problems.					
Apply the distributive property to multiply a one-digit number and two-digit number. Apply properties of multiplication to find a product of one-digit whole numbers.	MA.3.AR.1.1	X		X	X
Solve one- and two-step real-world problems involving any of four operations with whole numbers.	MA.3.AR.1.2	X		X	X
MA.3.AR.2 Develop an understanding of equality and multiplication and division.					
Restate a division problem as a missing factor problem using the relationship between multiplication and division.	MA.3.AR.2.1	X			
Determine and explain whether an equation involving multiplication or division is true or false.	MA.3.AR.2.2	X			
Determine the unknown whole number in a multiplication or division equation, relating three whole numbers, with the unknown in any position.	MA.3.AR.2.3	X			
MA.3.AR.3 Identify numerical patterns, including multiplicative patterns.					
Determine and explain whether a whole number from 1 to 1,000 is even or odd.	MA.3.AR.3.1	X			
Determine whether a whole number from 1 to 144 is a multiple of a given one-digit number.	MA.3.AR.3.2			X	X
Identify, create and extend numerical patterns.	MA.3.AR.3.3			X	X
Measurement					
MA.3.M.1 Measure attributes of objects and solve problems involving measurement.					
Select and use appropriate tools to measure the length of an object, the volume of liquid within a beaker and temperature.	MA.3.M.1.1				X
Solve real-world problems involving any of the four operations with whole number lengths, masses, weights, temperatures or liquid volumes.	MA.3.M.1.2				X
MA.3.M.2 Tell and write time and solve problems involving time.					
Using analog and digital clocks tell and write time to the nearest minute using a.m. and p.m. appropriately.	MA.3.M.2.1				X
Solve one- and two-step real-world problems involving elapsed time.	MA.3.M.2.2				X
Geometric Reasoning					
MA.3.GR.1 Describe and identify relationships between lines and classify quadrilaterals.					
Describe and draw points, lines, line segments, rays, intersecting lines, perpendicular lines and	MA.3.GR.1.1				X

parallel lines. Identify these in two-dimensional figures.					
Identify and draw quadrilaterals based on their defining attributes. Quadrilaterals include parallelograms, rhombi, rectangles, squares and trapezoids.	MA.3.GR.1.2				X
Draw line(s) of symmetry in a two-dimensional figure and identify line symmetric two-dimensional figures.	MA.3.GR.1.3				X
MA.3.GR.2 Solve problems involving the perimeter and area of rectangles.					
Explore area as an attribute of a two-dimensional figure by covering the figure with unit squares without gaps or overlaps. Find areas of rectangles by counting unit squares.	MA.3.GR.2.1			X	
Find the area of a rectangle with whole-number side lengths using a visual model and a multiplication formula.	MA.3.GR.2.2			X	
Solve mathematical and real-world problems involving the perimeter and area of rectangles with whole-number side lengths using a visual model and a formula.	MA.3.GR.2.3			X	
Solve mathematical and real-world problems involving the perimeter and area of composite figures composed of non-overlapping rectangles with whole number side lengths.	MA.3.GR.2.4			X	
Data Analysis and Probability					
MA.3.DP.1 Collect, represent and interpret numerical and categorical data.					
Collect and represent numerical and categorical data with whole-number values using tables, scaled pictographs, scaled bar graphs or line plots. Use appropriate titles, labels and units.	MA.3.DP.1.1				X
Interpret data with whole-number values represented with tables, scaled pictographs, circle graphs, scaled bar graphs or line plots by solving one- and two-step problems.	MA.3.DP.1.2				X