

**2021-2022 Year-At-A-Glance Third Grade Math
Sarasota County School District**

Standard	Code	Q1	Q2	Q3	Q4
Florida Mathematical Practices					
Make sense of problems and persevere in solving them.	MAFS.K12.MP.1.1	X	X	X	X
Reason abstractly and quantitatively.	MAFS.K12.MP.2.1	X	X	X	X
Construct viable arguments and critique the reasoning of others.	MAFS.K12.MP.3.1	X	X	X	X
Model with mathematics.	MAFS.K12.MP.4.1	X	X	X	X
Use appropriate tools strategically.	MAFS.K12.MP.5.1	X	X	X	X
Attend to precision.	MAFS.K12.MP.6.1	X	X	X	X
Look for and make use of structure.	MAFS.K12.MP.7.1	X	X	X	X
Look for and express regularity in repeated reasoning.	MAFS.K12.MP.8.1	X	X	X	x
Operations and Algebraic Thinking					
<i>Cluster 1: Represent and solve problems involving multiplication and division.</i>					
Interpret products of whole numbers	MAFS.3.OA.1.1	x	x		
Interpret whole-number quotients of whole numbers	MAFS.3.OA.1.2	x	x	x	
Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities	MAFS.3.OA.1.3	x	x	x	
Determine the unknown whole number in a multiplication or division equation relating three whole numbers.	MAFS.3.OA.1.4	x	x		
<i>Cluster 2: Understand properties of multiplication and the relationship between multiplication and division.</i>					
Apply properties of operations as strategies to multiply and divide.	MAFS.3.OA.2.5	x	x	x	
Understand division as an unknown-factor problem	MAFS.3.OA.2.6	x	x		
<i>Cluster 3: Multiply and divide within 100.</i>					
Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division	MAFS.3.OA.3.7		x	x	
<i>Cluster 4: Solve problems involving the four operations and identify and explain patterns in arithmetic.</i>					
Solve two-step word problems using the four operations.	MAFS.3.OA.4.8		x	x	
Identify arithmetic patterns and explain them using properties of operations.	MAFS.3.OA.4.9	x		x	
Number and Operations in Base Ten					
<i>Cluster 1: Use place value understanding and properties of operations to perform multi-digit arithmetic.</i>					
Use place value understanding to round whole numbers to the nearest 10 or 100.	MAFS.3.NBT.1.1	x			
Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	MAFS.3.NBT.1.2	x			
Multiply one-digit whole numbers by multiples of 10 in the range 10–90 using strategies based on place value and properties of operations.	MAFS.3.NBT.1.3			x	
Number and Operations - Fractions					
<i>Cluster 1: Develop understanding of fractions as numbers.</i>					
Understand a fraction $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction $\frac{a}{b}$ as the quantity formed by a parts of size $\frac{1}{b}$.	MAFS.3.NF.1.1				x
Understand a fraction as a number on the number line; represent fractions on a number line diagram.	MAFS.3.NF.1.2				x
Explain equivalence of fractions in special cases and compare fractions by reasoning about their size.	MAFS.3.NF.1.3				x
Measurement and Data					
<i>Cluster 1: Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.</i>					
Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes	MAFS.3.MD.1.1		x	x	
Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units	MAFS.3.MD.1.2				x
<i>Cluster 2: Represent and interpret data.</i>					
Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs	MAFS.3.MD.2.3	x			

Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters.	MAFS.3.MD.2.4				X
<i>Cluster 3: Geometric measurement: understand concepts of area and relate area to multiplication and to addition.</i>					
Recognize area as an attribute of plane figures and understand concepts of area measurement	MAFS.3.MD.3.5	X		X	
Measure areas by counting unit squares (square cm, square m, square in, square ft, and improvised units).	MAFS.3.MD.3.6		X	X	
Relate area to the operations of multiplication and addition.	MAFS.3.MD.3.7		X	X	
<i>Cluster 4: Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.</i>					
Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.	MAFS.3.MD.4.8		X	X	
Geometry					
<i>Cluster 1: Reason with shapes and their attributes.</i>					
Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories.	MAFS.3.G.1.1			X	
Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole.	MAFS.3.G.1.2				X