MARESA THIRD GRADE MATH COMMON CORE PACING GUIDE

		NOVEMBER/DECE	MBER
 SEPTEMBER/OCTOBER PV to round whole numbers to nearest 10 or 100 (3.NBT.1) Sept Fluently add and subtract within 1000 (3.NBT.2) Sept Interpret products of whole numbers. (3.OA.1) Oct Interpret partition models of division. (3.OA.2) Oct Interpret measurement models of division (repeated subtraction) (3.OA.2) Use multiplication and division within 100 to solve one-step word problems. (3.OA.3) Oct 		 Apply properties of operations as strategies to multiply and divide. (3.OA.5) Nov Interpret division as an unknown-factor problem. (3.OA.6) Nov Use a variety of strategies to fluently multiply and divide within 100. (3.OA.7) Dec Solve two-step word problems using multiplication and division using single-digit factors and products less than 100. (3.OA.8) Dec Use estimation strategies to assess reasonableness of answers. (3.OA.8) Dec Solve two-step word problems using within 1000 	
 Determine the unknown whole number in a multiplication or division equation. (3.OA.4) Oct 	 STANDARDS FOR MATHEMATICAL PRACTICE 1) Make sense of problems and persevere in solving them. 2) Reason abstractly and quantitatively. 3) Construct viable arguments and critique the reasoning of others 4) Model with mathematics 5) Use appropriate tools strategically 6) Attend to precision 7) Look for and make use of structure 8) Look for and express regularity in repeated reasoning MARCH/APRIL/MAY Tell and write time to the nearest minute (3.OA.8) Dec Use a letter to represent an unknown quantity in equations (3.OA.8) Dec Use estimation strategies to assess reasonablenes of answers. (3.OA.8) Dec Use place value strategies and properties of operations to multiply one-digit whole numbers by multiples of 10 (10-90). (3.NBT.3) Dec 		
JANUARY/FEBRUARY • Understand that a fraction (a/b) represents equal parts of a whole. (3.NF.1) Jan • Solve word problems that require fair sharing. (3.NF.1) Jan			 MARCH/APRIL/MAY Tell and write time to the nearest minute (3.MD.1) Mar Measure time intervals (elapsed time) in minutes. (3.MD.1) Mar
 Represent fractions on a number line diagram. (3.NF.2) Jan Recognize two equivalent fractions. (3.NF.3) Jan Generate and explain two equivalent fractions. (3.NF.3) Jan Express whole numbers as fractions and fractions as equivalents to whole numbers. (3.NF.3) Jan Compare two fractions by reasoning about their size (same numerator or same denominator) and justify conclusions (3.NF.3) Jan Partition shapes into fractional parts of a whole (1/2, 1/3, 1/4, 1/6, 1/8) (3.G.2) Feb Recognize shapes that are and are not quadrilaterals by examining their attributes. (3.G.1) Feb Classify shapes by attributes and draw shapes that fit specific categories. (3.G.1) Feb 		 Solve word problems (+ & -) involving time intervals (elapsed time) in minutes. (3.MD.1) Mar Measure and estimate liquid volumes using milliliters and liters. (3.MD.2) Mar Measure and estimate masses of objects using grams and kilograms.(3.MD.2) Mar Solve one-step word problems (+,-,x,÷) involving masses or volumes using the same units. (3.MD.2) Mar Explain area as an attribute of plane figures. (3.MD.5) Mar Measure areas by counting unit squares (cm², m², in², ft²) and non standard square units. (3.MD.6) Mar Find the area of a rectangle by tilting it and showing the relationship to multiplication. (3.MD.7) Apr Solve real-world and mathematical problems involving area.(3.MD.7) Apr Decompose rectilinear figures to help find the area. (3.MD.7) Apr 	

 Solve real-world and mathematical problems involving perimeter of polygons. (3.MD.8) Apr Students should pose a question, collect, analyze and interpret data (PCAI) (3.MD.3) May Use data collected to draw a scaled picture graph to represent data with several categories. (3.MD.3) May Use data collected to draw a scaled bar graph to represent data with several categories. (3.MD.3) May Solve one- and two-step problems using information from graphs. (3.MD.3) May Generate measurement data by using rulers to measure objects to the nearest half and fourth on an inch. (3.MD.4) May Construct a line plot using generated data (wholes, halves or quarters). (3.MD.4) May
• **Know all products of two one-digit numbers. (3.OA.7) **End-of- Year Goal**