**3rd Grade Math Pacing Guide 2018-2019**

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| DATES | CONCEPT | I CAN!s | STANDARDS | FOCUS DOMAINS |
| 8/27-9/19/18  (17 days) | Adding, Subtracting, Rounding  Place Value | 3.1  3.6 (add & subtract)  3.12 | 3 NBT 1-3  3 OA 8  3 MD 3, 4 | NUMBERS IN BASE TEN |
|
| 9/20-10/17/18  (19 days) | Skip Counting & Multiplying Numbers  Factors & Commutative Property  Multiplication Patterns | 3.2  3.3  3.4, 3.5 (0-5, 10)  3.7 | 3 OA 1-4  3 OA 5  3 OA 6, 3 OA 7  3 OA 9 | OPERATIONS & ALGEBRAIC THINKING |
| **Milestone #1 Window 10/22-11/5/18 I CAN!s: 3.1, 3.4, 3.5 (0-5, 10), 3.6, 3.7**  **Data Day 11/13/2018** | | | | |
| 10/18-11/9/18  (16 days) | Multiplication Strategies  Arrays, Patterns & Multiples  Equal Groupings (Division) | 3.4  3.5  3.13 | 3 OA 6  3 OA 7  3 MD 5-7 |  |
| 11/14-1/11/19  (23 days) | Dividing with 0 and 1 & Division Strategies  Two Step Problems  Area & Perimeter | 3.4  3.5  3.15 | 3 OA 6  3 OA 7  3 MD 8 |
| 1/14-2/14/19  (23 days) | Fractions & Fractional Parts  Comparing Fractions  Equivalent Fractions | 3.8  3.9  (3.14) | 3 NF 1, 2  3 NF 3  (3 G 1, 2) | NUMBER & OPERATIONS: FRACTIONS |
| **Milestone #2 (1/14-1/25/19) I CAN!s: 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.12, 3.13, 3.15**  **Data Day 2/15/2019** | | | | |
| 2/19-3/15/19  (19 days) | Time & Clocks  Measurement: liquid, volume, mass | 3.9  3.10  3.11 | 3 NF 3  3 MD 1  3 MD 2 | MEASUREMENT & DATA |
| **Milestone #3 Window (3/18-3/29/19) I CAN!s: 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.13, 3.15**  **Data Day 4/5/2019** | | | | |
| 3/18-4/4/19  (14 days) | Describing Quadrilaterals & Triangles | 3.14 | 3 G 1, 2 | GEOMETRY |
| 4/8-5/10/19 | **CAASPP Prep & Testing** | | | |
| 5/13-6/32/19  (23 days) | **I CAN! Review**  **Onramp to Next Grade**  **Demonstration of Mastery** | | | |

3rd Grade Math I CAN!s and CAN I?s

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|  | I CAN!s | Kid Friendly Language | Can I?s |
|  | Numbers & Operations in Base 10 | |  |
| 3.1 | I CAN use place value to round whole numbers to the nearest 10 or 100, add or subtract numbers within 100 and multiply any one digit whole number by 10.  NBT 1-3 | I CAN! Add and subtract large numbers. | * Name the place value columns? * Know when to round up and when to round down? * Use place value to multiply one digit whole numbers by multiples of 10? * Describe the relationship between addition and subtraction? * Identify real life situations where rounding is needed? |
| 3.2 | I CAN understand multiplication and division problems by grouping numbers and use that knowledge to solve word problems and find the missing number in an equation.  OA 1-4 | I CAN! Multiply and divide numbers to solve math stories. | * Multiply two numbers and model the process? * Divide two numbers and model the process? * Use grouping, arrays, and equations to model multiplication and division? * Explain number families in multiplication? * Write equations using a symbol for the unknown number? |
| 3.3 | I CAN know and apply multiplication properties of operations (associative, distributive and commutative).  OA 5 | I CAN! Use the commutative, associative, and distributive properties. | * Give an example of the Commutative Property? * Model the Distributive Property? * Explain the Associative Property? * Use multiplication facts to solve multiplication problems? * Use Properties of Multiplication to solve problems mentally? |
| 3.4 | I CAN find the answer to a division problem by thinking of the missing factor in a multiplication problem.  OA 6 | I CAN! Use fact families to find the quotient or divisor. | * Find the missing factor in a multiplication problem? * Find the missing factor in a division problem? * Explain multiplication fact families? * Name the factors of a number? * Explain the relationship between multiplication and division? |
| 3.5 | I CAN fluently multiply and divide within 100 and know from memory all products of two one-digit numbers.  OA 7 | I CAN! memorize my multiplication facts. | * Multiply two numbers up to 12 times 12? * Name the factors in a multiplication or division family? * Use tools to find the product or quotient? * Draw arrays and shapes to find the area? * Use mental math strategies to recall multiplication facts? |
| 3.6 | I CAN use addition, subtraction, multiplication and division to solve two-step word problems, then use mental math to check my answers.  OA 8 | I CAN! Solve word problems by writing an equation and “solving for x”. | * Choose the best operations to solve a word problem? * Check my answer using mental math? * Use unit squares or multiplication to find the area and perimeter? * Choose multiplication or division to solve a word problem? * Test my answers using multiplication and division? |
| 3.7 | I CAN find patterns in addition and multiplication tables and explain them using what I know about how numbers work.  OA 9 | I CAN! explain patterns in addition and multiplication tables. | * Find patterns in a multiplication table? * Explain patterns I see in multiplication and division? * Locate patterns in the multiplication and addition tables? * Justify patterns I see using properties of operations? * Identify patterns in the world around me? |
|  | Numbers & Operations - Fractions | | |
| 3.8 | I CAN show fractions are part of a whole and represent fractions on a number line.  NF A.1-2 | I CAN! show fractions are part of a whole and represent fractions on a number line. | * Identify the part and whole of a fraction? * Describe what a fraction represents? * Locate a fraction on a number line? * Draw a number line and label fractions in order? * Model fractions using models and pictures? |
| 3.9 | I CAN compare fractions (using <, =, >), show whole numbers in fraction form, and recognize fractions that are equal to one whole and sometimes equal to each other.  NF A.3 | I CAN! compare fractions and write a whole number as a fraction. | * Know when fractions are equal even when they look different? * Show fractions equal to 0 and 1? * Describe fractions as part of a whole? * Model with fractions using graphs, tables and gathered data? * Identify parts of shapes using fractions? |
|  | Measurement & Data | | |
| 3.10 | I CAN tell time to the nearest minute, measure time and solve time word problems by adding and subtracting minutes.  MD A.1 | I CAN! tell time and solve word problems about how much time has passed. | * Identify the start time, end time and elapsed time of an event? * Explain the difference between a.m. and p.m.? * Tell the current time on an analog clock? * Say how many minutes there are in an hour, hours there are in a day…? * Find out how much time has passed between the start and end time? |
| 3.11 | I CAN measure liquids and solids with liters, grams, and kilograms and use math to solve word problems involving mass and volume.  MD A.2 | I CAN! find the weight of objects using grams, kilograms, and liters. | * Know measurement units for liquid and solids? * Correlate the appropriate units to what is being measured? * Use a graph to compare measurements? * Estimate liquid volumes and masses of objects? * Use drawings to represent measurement? |
| 3.12 | I CAN create a picture graph, bar graph or line graph to show data that has been measured to the nearest whole, half or quarter number.  MD B.3-4 | I CAN! read and draw line plots and scaled graphs. | * Draw a picture graph to represent a set of data? * Draw a scaled bar graph to represent a set of data? * Use a graph to answer “how many more” and “how many less” problems? * Use rulers marked with halves and fourths to gather measurement data? * Model measurement data on a line plot? |
| 3.13 | I CAN measure area by using what I know about multiplication and addition and describe it in unit squares.  MD C.5-7 | I CAN! measure rectangles and find the area. | * Describe area measurement? * Use unit squares to count area of shapes? * Relate area to multiplication and addition using area models? * Use correct units when describing area (square cm, square m, square in, square ft)? * Partition shapes into parts with equal areas? |
|  | Geometry |  |  |
| 3.14 | I CAN recognize, draw and categorize quadrilaterals and divide those shapes into parts with equal areas using fractions.  G.A.1-2 | I CAN! recognize, draw, and categorize quadrilaterals and divide them into equal parts. | * Describe attributes of plane figures (rhombuses, rectangles, squares, and others) using math language? * Name shapes that share attributes? * Draw examples of plane figures and name their attributes? * Express area of parts of figures as a fraction of the whole? * Partition shapes into parts with equal areas? |
|  | Measurement & Data |  |  |
| 3.15 | I CAN find the area and perimeter of shapes applied in real world examples.  MD D.8 | I CAN! solve real world problems with perimeter and area. | * Draw and describe a unit square? * Explain the difference between area and perimeter? * Draw a picture to help me find the area? * Draw a picture to help me find the perimeter? * Find an unknown side length of a polygon? |

**Standards of Mathematical Practice (SMPs)**

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| #1 Make sense of problems and persevere in solving them. | #5 Use appropriate tools strategically. |
| #2 Reason abstractly and quantitatively. | #6 Attend to precision. |
| #3 Construct viable arguments & critique the reasoning of others. | #7 Look for and make use of structure. |
| #4 Model with mathematics. | #8 Look for and express regularity in repeated reasoning. |