**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, RoundingPlace Value | 3.13.6 (add & subtract)3.12 | 3 NBT 1-33 OA 83 MD 3, 4 | NUMBERS IN BASE TEN |
|
| 9/20-10/17/18(19 days) | Skip Counting & Multiplying NumbersFactors & Commutative PropertyMultiplication Patterns | 3.23.33.4, 3.5 (0-5, 10) 3.7 | 3 OA 1-43 OA 53 OA 6, 3 OA 73 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 StrategiesArrays, Patterns & MultiplesEqual Groupings (Division) | 3.43.53.13 | 3 OA 63 OA 73 MD 5-7 |  |
| 11/14-1/11/19(23 days) | Dividing with 0 and 1 & Division StrategiesTwo Step ProblemsArea & Perimeter | 3.43.53.15 | 3 OA 63 OA 73 MD 8 |
| 1/14-2/14/19(23 days) | Fractions & Fractional PartsComparing FractionsEquivalent Fractions | 3.83.9(3.14) | 3 NF 1, 23 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 & ClocksMeasurement: liquid, volume, mass | 3.93.103.11 | 3 NF 33 MD 13 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?
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| 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?
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| 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?
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| 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?
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| 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?
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| 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?
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| 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?
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|  | 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?
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| 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?
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|  | 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?
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| 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?
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| 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?
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| 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?
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|  | 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?
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|  | 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?
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**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. |