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| Time Frame | Topic | Skills/Concepts | Major Assessments | Core Standards | Resources |
| September | **Module 1 Multiplication & Division** & Review 2nd grade concepts with place value *(moving to algorithms vs. place value charts for adding greater numbers)****Properties of Multiplication and Division and Solving Problems with Units of 2–5 and 10*** | * Review of addition and subtraction 2 & 3 digit numbers
* Subtract across zeros
* Place value & odd & even review
* Add & Subtract with & without regrouping up to 4 digit numbers
* Add three or four - 2 or 3 digit numbers in column
* Multiplication basics using picture models like arrays, groups, number bonds, tape diagrams, etc.
* Word problems involving all 4 operations both 1 & 2 step
* Word Problems – meaning of unknown & letter in place of unknown
 |  | 3.NBT.13.NBT.23.NBT.23.OA.83.OA.13.OA.23.OA.33.OA.93.OA.83.NBT.3 |  |
| October | **Module 1 Multiplication & Division** | * Continue above September list
* Division basics using picture models like arrays, groups, number bonds, tape diagrams, etc.
* Commutative Property
* Distributive Property

Associative Property |  | 3.OA.23.OA.33.OA.43.OA.6 |  |
| November | **Module 2 Problem Solving w/ Measurement Concepts** ***Place Value and Problem Solving with Units of Measure*** | * Time to nearest quarter, 5 min, 1 min, elapsed time within the hour using timelines & algorithms to solve word problems
* Rounding to nearest 10 & 100
* Word problems 1 & 2 step
* Measurement – Weight & Volume including: Grams, Kg, Liters mL
* Solve mixed word problems involving all four operations with grams, kilograms, liters, and milliliters given in the same units.
 |  | 3.MD.13.MD.2 |  |
| December | **Module 3 Multiplication & Division higher numbers**  ***Multiplication and Division with Units of 0, 1, 6–9, and Multiples of 10 &*****Module 6 Data** ***Collecting and Displaying Data*** | * Multiplication with Multiples of 10 & 6-9
* Commutative Property - build on previous Module 1
* Distributive Property – build on previous Module 1
* Associative Property - build on previous Module 1
* Odd & Even review
* Interpret, Collect, & Analyze Data using Charts & Tables
* Analyze & Create Bar graphs
* Analyze & Create Pictographs
* Analyze & Create Line plots & line graphs
 |  | 3.OA.53.OA.73.MD.3 |  |
| January | **Module 5 Fractions*****Fractions as Numbers on the Number Line*** | * Partitioning a Whole into Equal Parts
* Unit Fractions and Their Relation to the Whole
* Comparing Unit Fractions and Specifying the Whole
* Fractions on the Number Line
* Equivalent Fractions

Comparison, Order, and size of Fractions |  | 3.MD.43.NF.13.NF.2a3.NF.2b3.NF.3a3.NF.3b3.NF.3c3.NF.3d3.G.2 |  |
| February | **Continue Module 5 Fractions** **&** **Module 7 Pre-test concepts*****Geometry and Measurement Word Problems*** | * Geometry – 2D and 3D shapes and their attributes review
* recognizing the characteristics of polygons
* polygons and their properties, specifically developing and expanding their knowledge of quadrilaterals
 |  | 3.G.13.MD.8 |  |
| March | **Module 6** & ***Collecting and Displaying Data*****Module 4** ***Multiplication and Area*** | * Interpret measurement data from various line plots.
* Represent measurement data with line plots.
* Analyze data to problem solve
* Generate and Analyze Categorical Data
* Generate and Analyze Measurement Data
* Geometry – analyze 2D polygons & attributes/properties - quadrilaterals
* Area concepts using grid lines/paper & l x w
* Measure areas by counting unit squares
* Relate area to the operations of multiplication and addition
* Analyze different rectangles and reason about their area
* Apply distributive property as a strategy to find the total

area of a large rectangle by adding two products |  | 3.MD.33.MD.43.MD.83.G.1 |  |
| April | **Modules 1-6 Review & Practice** | * Mixed Review of all concepts with heavy emphasis on Word Problems including multi-step word problems
 |  |  |  |
| May | **Module 7 Post-Test concepts*****Geometry and Measurement Word Problems*** | * Problem solving using geometry & patterns
* use tangrams and tetrominoes to compose and decompose shapes
* solving one- and two-step word problems based on a variety of topics studied throughout the year and including all four operations
* hands-on investigation experiences with geometry and perimeter
* polygons and their properties, specifically developing and expanding their knowledge of quadrilaterals
* explore the attributes of quadrilaterals & classify examples into various categories
 |  | 3.G.13.G.2 |  |
| June | **Mixed Review of all 3rd grade concepts and Beginning 4th Grade concepts introduced** | * Introduce beginning 4th grade concepts including: long division
* Division with remainders
* Multiplication of 2 digit x 2 digit numbers
* Problem solving using all 4 operations – multi-step
 |  | 3.OA.74.OA.54.OA.6 |  |