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| *Revised August 2016* | | | |
| 1st Nine Weeks | | | |
|  | **Topic** | **Eligible Content/**  **Standards** | **Details** |
| 1 | **Number Sentences** | M04.B-0.1.1.1  M04.B-0.1.1.4 | * Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.   Example 1: Interpret 35 = 5 × 7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5.   * Identify the missing symbol (+, –, ×, ÷, =, <, >) that makes a number sentence true (single-digit divisor only). |
| 2 | **Word Problems** | M04.B-0.1.1.2  M04.B-0.1.1.3 | * Multiply or divide to solve word problems involving multiplicative comparison, distinguishing multiplicative comparison from additive comparison.   Example: Know that 3 × 4 can be used to represent that Student A has 4 objects and Student B has 3 times as many objects, and not just 3 more objects.   * Solve multi-step word problems posed with whole numbers using the four operations. Answers will be either whole numbers or have remainders that must be interpreted yielding a final answer that is a whole number. Represent these problems using equations with a symbol or letter standing for the unknown quantity. |
| 3 | **Factors and Multiples** | M04.B-0.2.1.1 | * Find all factor pairs for a whole number in the interval 1 through 100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the interval 1 through 100 is a multiple of a given one digit number. Determine whether a given whole number in the interval 1 through 100 is prime or composite. |
| 4 | **Number Patterns** | M04.B-0.3.1.1  M04.B-0.3.1.2  M04.B-0.3.1.3 | * Generate a number pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. * Determine the missing elements in a function table (limit to +, –, or × and to whole numbers or money). * Determine the rule for a function given a table (limit to +, –, or × and to whole numbers). |
| 5 | **Geometric Patterns** | M04.B-0.3.1.1 | * Generate a shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. |
| 6 | **Place Value** | M04.A-T.1.1.1  M04.A-T.1.1.2  M04.A-T.1.1.3 | * Understand a number is ten times larger than the number to its right.   Ex 7 in the hundreds place is ten times more than 7 in the tens place in the number 770.   * Write word, standard, and expanded form through 1,000,000 * Compare <, >, and = up 1,000,000 |

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| 2nd Nine Weeks | | | |
|  | **Topic** | **Eligible Content/**  **Standards** | **Details** |
| 1 | **Place Value cont.** | M04.A-T.1.1.1  M04.A-T.1.1.2  M04.A-T.1.1.3 | * Understand a number is ten times larger than the number to its right.   Ex 7 in the hundreds place is ten times more than 7 in the tens place in the number 770.   * Write word, standard, and expanded form through 1,000,000 * Compare <, >, and = up 1,000,000 |
| 2 | **Rounding and Estimation** | M04.A-T.1.1.4  M04.A-T.2.1.4 | * Estimate +, -, and x problems through six digits. Multiplication no more than 2 digits x 1 digit. * Round number to any place up to 1,000,000 |
| 3 | **Multiplication and Addition** | M04.A-T.2.1.1  M04.A-T.2.1.2 | * Add up to 1,000,000 * Multiply a whole number up to four digits by one digit and 2 two digit numbers |
| 4 | **Division and Subtraction** | M04.A-T.2.1.1  M04.A-T.2.1.3 | * Subtract up to 1,000,000 * Divide up to four digit dividends by one digit with remainders |
| 5 | **Comparing Fractions** | M04.A-F.1.1.1  M04.A-F.1.1.2 | * Recognize and make equivalent fractions * Compare fractions with different denominators and numerators using <, >, and =. (denominators limited to 2-10, 12, and 100) |
| 6 | **Adding and Subtracting Fractions** | M04.A-F.2.1.1  M04.A-F.2.1.2  M04.A-F.2.1.3  M04.A-F.2.1.4 | * Add and Subtract like fractions * Decompose fractions and mixed numbers into smaller fractions. Example 2 1/12= 1+1+1/12 or 12/12+ 12/12+ 1/12 * Add and subtract mixed numbers with same denominators * Solve word problems with adding and subtracting fractions with common denominators * Denominators limited to 2-10, 12, and 100 and no improper fractions as answers |
| 7 | **Comparing Decimals and Fractions** | M04.A-F.3.1.1  M04.A-F.3.1.2  M04.A-F.3.1.3 | * Add two fractions with respective denominators of 10 and 100.   Example 3/10 + 4/100= 30/100 + 4/100 = 34/100   * Decimal notation for fractions Example 0.62 as 62/100 * Compare two decimals to the hundredths place using <, >, and = |

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| 3rd Nine Weeks | | | |
|  | **Topic** | **Eligible Content/**  **Standards** | **Details** |
| 1 | **Multiplying Fractions** | M04.A-F.2.1.5  M04.A-F.2.1.6  M04.A-F.2.1.7 | * Multiply whole number with fraction * Solve word problems with Multiplying a whole number and a fraction * Denominators limited to 2-10, 12, and 100, do not need reduce answers, and no mixed numbers as answers |
| 2 | **Time** | M04.D-M.1.1.4  M04.D-M.1.1.2 | * Know relative sizes of measurement units within one system of units including standard units (sec, min, hr, day, wk, mo, yr) * Identify time (analog or digital) as the amount of minutes before or after the hour. Example: 2:50 is the same as 10 minutes before 3:00. |
| 3 | **Measurement** | M04.D-M.1.1.2  M04.D-M.1.1.1 | * Know relative sizes of measurement units within one system of units including standard units (in., ft, yd, mi; oz., lb; c, pt, qt, gal), metric units (cm, m,km; g, kg; mL, L). Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. A table of equivalencies will be provided. * Use the four operations to solve word problems involving distances, intervals of time (such as elapsed time), liquid volumes, masses of objects money, including problems involving simple fractions or decimals; and problems that require expressing measurements given in a larger unit in terms of a smaller unit. |
| 4 | **Area and Perimeter** | M04.D-M.1.1.3 | * Apply the area and perimeter formulas for rectangles in real-world and mathematical problems (may include finding a missing side length). Whole numbers only. The formulas will be provided. |
| 5 | **Lines, Points Rays, Symmetry, and Angles** | **M04.C-G.1.1.1**  **M04.C-G.1.1.3** | * **Draw points, lines, line segments, rays, angles (acute, obtuse, right), perpendicular and parallel lines. Identify them in 2D shapes** * **Recognize a line of symmetry in 2D shapes** |
| 6 | Angles | M04.D-M.3.1.1  M04.D-M.3.1.2 | * Measure and sketch angles using a protractor * Solve addition and subtraction problems to find unknown angles. Angles must be adjacent. |
| 7 | **2D Shapes** | **M04.C-G.1.1.2** | * **Classify two-dimensional shapes based on perpendicular and parallel lines. Classify shapes based on specific types of angles. Recognize right triangles.** |
| 8 | Graphing | M04.D-M.2.1.1  M04.D-M.2.1.2  M04.D-M.2.1.3 | * Make a line plot to display a data set of measurements in fractions of a unit in intervals of ½, ¼, or 1/8 ) * Solve problems using addition and subtraction with like fractions presented from a line plot * Translate information from on display to another |