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

4th Grade Math

	Topic	Eligible Content/ Standards	Details
			2nd Nine Weeks
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 =

4th Grade Math

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 |