Sumter County Intermediate School

"Motivated, Visionary, Problem-Solvers"

Fourth Grade Math Expectations - 1st Nine Weeks 2023-2024	
Unit 1	**Making Relevant Connections with Place Value Understanding, Addition and Subtraction of Whole Numbers** **4.NR.1: RECOGNIZE PATTERNS WITHIN THE BASE TEN PLACE VALUE SYSTEM WITH QUANTITIES PRESENTED IN REAL-LIFE SITUATIONS TO COMPARE AND ROUND MULTI-DIGIT WHOLE NUMBERS THROUGH THE HUNDRED-THOUSANDS PLACE.** **4.NR.1** Read and write multi-digit whole numbers to the hundred-thousands place using base-ten numerals and expanded form. **4.NR.2** Recognize and show that a digit in one place has a value ten times greater than what it represents in the place to its right and extend this understanding to determine the value of a digit when it is shifted to the left or right, based on the relationship between multiplication and division. **4.NR.1.3** Use place value reasoning to represent, compare, and order multi-digit numbers, using >, =, and < symbols to record the results of comparisons. **4.NR.1.4** Use place value understanding to round multi-digit whole numbers. **4.NR.2: USING PART-WHOLE STRATEGIES, SOLVE PROBLEMS INVOLVING ADDITION AND SUBTRACTION THROUGH THE HUNDRED-THOUSANDS PLACE, AS WELL AS MULTIPLICATION AND DIVISION OF MULTI-DIGIT WHOLE NUMBERS PRESENTED IN REAL-LIFE, MATHEMATICAL SITUATIONS** **4.NR.2.1** Fluently add and subtract multi-digit numbers to solve practical, mathematical problems using place value understanding, properties of operations, and relationships between operations. **4.MDR.6** Measure time and objects that exist in the world to solve real-life, mathematical problems and analyze graphical displays of data to answer relevant questions.
Unit 2	**Exploring Real-Life Phenomena through Patterning and Algebraic Reasoning** **4.PAR.3 GENERATE AND ANALYZE PATTERNS, INCLUDING THOSE INVOLVING SHAPES, INPUT/OUTPUT DIAGRAMS, FACTORS, MULTIPLES, PRIME NUMBERS, AND COMPOSITE NUMBERS.** **4.PAR.3.2** Use input-output rules, tables, and charts to represent and describe patterns, find relationships, and solve problems. **4.PAR.3.3** Find factor pairs in the range 1–100 and find multiples of single-digit numbers up to 100 **4.PAR.3.4** Identify composite numbers and prime numbers and explain the relationship with the factor pairs. **4.MDR.6** Measure time and objects that exist in the world to solve real-life, mathematical problems and analyze graphical displays of data to answer relevant questions.