



## **Fifth Grade Mathematics**



### **Essential knowledge and skills that form the basis of mathematics instruction in our fifth grade classrooms:**

- Write equations to represent word problems
- Multiply multi-digit numbers
- Use exponents to represent powers of ten
- Divide up to four-digit whole numbers by one- or two- digit divisors
- Solve single- and multi-step word problems involving multi-digit division
- Write decimal numbers using numerals, words, and expanded notation
- Round decimal numbers
- Add, subtract, multiply, and divide decimals
- Determine the greatest common factor and least common multiple of whole numbers
- Rewrite fractions to have common denominators
- Add and subtract fractions, including mixed numbers
- Solve single- and multi-step word problems involving adding and subtracting fractions and decimals
- Multiply fractions
- Divide whole numbers and fractions
- Classify two-dimensional shapes based on their properties
- Find the area and perimeter of rectangles
- Determine if a shape is symmetrical
- Find the volume of rectangular prisms
- Determine the rule for a given function
- Graph ordered pairs associated with a function
- Convert between units of measurement