

# Numbers and Operations in Base Ten

## Grade 5

### Vocabulary Words

#### Your Student Will Learn

**Decimal:** A number that uses place value and a decimal point to show values less than one, such as tenths and hundredths

**Place Value:** The value of a digit in a number

**Standard Algorithm:** A way of setting out a step-by-step mathematical procedure

**Rounding:** To find the nearest ten, hundred, or thousand (and so on). For example, 391 rounds up to 400 and 331 rounds down to 300

**Digit:** A symbol used to show a number

**Power of 10:** When one of the factors is a multiple of ten, you can use place value patterns and basic facts to find the product

**Product:** The result (answer) of multiplying a set of numbers together.

**Quotient:** The result (answer) of dividing two numbers.

**Estimate:** To find a number close to an exact amount.

**Operations:** Addition, Subtraction, Multiplication, Division

### What Your Student Will Learn:

- ◆ Understand multi-digit place value
- ◆ Multiply and divide by powers of 10
- ◆ Read, write and compare decimals to the thousandths
- ◆ Round decimals to any place
- ◆ Fluently multiply multi-digit whole numbers using the standard algorithm
- ◆ Divide multi-digit numbers
- ◆ Add, subtract, multiply and divide decimals to the hundredths

### Everyday Activities You Can Do At Home:

- ◆ Create number cubes or spinners and have the student identify the place value and value of different digits in that number.
- ◆ Roll or pick numbers to create decimals. Add, subtract, multiply, or divide the decimals.
- ◆ Find the batting averages or other statistics in the sports section of a newspaper and add or subtract the statistics.
- ◆ Estimate and find the sums and differences of items at the store and in restaurants.
- ◆ Practice basic addition, subtraction, multiplication and division facts.
- ◆ Roll or pick numbers to create decimals. Compare and order the numbers.
- ◆ Choose a four-digit number. Multiply and divide by powers of 10 (10, 100, 1,000, etc.) by moving the decimal point left or right as appropriate.