

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.