Common Core Standards

Operations and Algebraic Thinking

Grade 4

Vocabulary Words
Your Student Will Learn

Factor: A number that is multiplied by another (factor x factor = product)

Regrouping: To exchange amounts of equal value to rename a number

Expanded Form: a graph that shows the frequency of data along a number line

Multiple: The product of a given whole number and another whole number

Compare: Tell how a number is related to another number using >, <, =, or different

Array: An arrangement of objects in rows and columns

Identity Property: (Any number times 1 is that number

Commutative Property: 5 x 7 is the same as 7 x 5

Associative Property: (2 x 3) x 4 = 2 x (3 x 4)

Zero Property: Any number times 0 is 0

Product: The answer to a multiplication problem

Remainder: The amount left over when a number cannot be divided equally

Divisor: The number that divides the dividend

Dividend: A number being divided

Quotient: the result of a division

Estimate: To find a number close to an exact amount

What Your Student Will Learn:

♦ Interpret multiplication as comparison, for example, 35 is 5 times as many as 7.

♦ Multiply or divide to solve word problems

♦ Solve multi-step word problems using the four operations. Problems will include interpreting a remainder and/or using equations with a letter standing for the unknown.

♦ Find factor pairs for numbers to 100 and tell if numbers are prime or composite.

♦ Understand Patterns with numbers or shapes.

Everyday Activities You Can Do At Home:

♦ Draw shapes and divide into different fractions

♦ Create numbers to use in fractions

♦ Use measuring cups when baking or cooking

♦ Pick numbers to create fractions-Practice simplifying them

♦ Make up numbers, roll numbers with dice, or find numbers (on labels) and compare them

♦ Find numbers and write them in expanded form

♦ Make numbers and tell which place value (and/or value) each digit represents

♦ Place large numbers on a number line

♦ Collect objects (i.e. Cheerios) and estimate how many

♦ Draw pictures and make models of numbers

♦ Practice addition and subtraction facts