Chapman Hill Elementary School

Common Core Standards

Numbers and Operations—Fractions

Grade 4

Vocabulary Words Your Student Will Learn

Denominator: The number below the bar in a fraction that tells how many equal parts are in the whole

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

Numerator: The number above the bar in a fraction that tells how many pares of the whole

Unit Fraction: one piece of the whole represented as 1/a.

Equivalent: (=) having the same value

Decimal: A number system (based on 10) with one or more digits to the right of the decimal point.

Mixed Number: A number that is made up of a whole number and a fraction

Decimal Point: A symbol that seperates dollars and cents in money, and the ones place from the tenths place in decimal numbers.

What Your Student Will Learn:

- Understand equivalent fractions.
- ◆ Compare fractions with symbols >,<, or =.
- Add and subtract fractions, including mixed numbers with like denominators.
- ◆ Decompose a fraction into a sum of fractions with the same denominator in more than one way. Ex: 3/8=1/8+1/8+1/8; 3/8= 1/8+2/8; 2 1/8= 1+1+1/8= 8/8+8/8+1/8.
- Add and subtract fractions to solve word problems.
- ♦ Multiply a fraction by a whole number. Ex: 3 x 2/5= 2/5+2/5+2/5.
- ◆ Understand a fraction is a multiple of a unit fraction. Ex: 5/4 as the product of 5 x (1/4).
- Multiply a fraction by a whole number to solve word problems.
- Express and add fractions with denominators 10 and 100.
- Read, write, and represent decimal notation for fractions with denominators 10 or 100.
- Compare two decimals to hundredths using symbols >, <, or = and justify the conclusions.

Everyday Activities You Can Do At Home:

- Draw different shapes. Divide them into different fractions.
- Create numbers to use in fractions. Draw these fractions as parts of a whole or set.
- Use measuring cups when baking or cooking.
- Use centimeter paper to draw decimals.
- Relate dimes to tenths and pennies to hundredths and make up decimals using dimes and pennies.
- Use a menu to compare money.
- Roll dice to make decimal numbers and compare them.
- Write decimal numbers in expanded form.
- Write decimal numbers in word form.
- Identify decimals in a newspaper.
- Practice multiplication and division facts.