Subject: Pre-Algebra  Grade: 08  Author: Irving, Texas
Approximate Time: 50 Minutes  Date: Fall 2008

Topic/Theme: Rational Numbers

Objectives:

**Content**
Student will (1) distinguishes what are rational numbers (2) create a rational number chart for the most commonly used numbers, and (3) know how to convert fraction into decimals and decimals into fractions

**Language**
Student will (1) compare and order rational numbers (2) define the vocabulary, and (3) use the vocabulary and lessons to discuss and work in groups.

Vocabulary:

**Content Specific**
- Rational numbers
- Relatively Prime

**Related**
- Integers
- Positive
- Decimals
- Equal
- Fractions
- Equations
- Negative

Note: Student will be working and adding foldables for their interactive notebook. Student will be making a 3-part fold chart of rational numbers and a vocabulary foldable.

Materials:
Interactive notebook, pencil, markers, ruler, scissors, colored paper (foldables)

Activities:

- Teacher will review rational number and discuss any prior knowledge and demonstrate some examples
- 3-fold rational number chart – in groups of four, SW make a 3-fold foldable with equal columns. First column will be the FRACTIONS, second column will be DECIMALS, and the last column will be PERCENT.
- As a class, we will discuss the most common rational numbers that should be learned and memorized.
- As a group they will fill in the FRACTION column and convert the fractions into decimals and decimals into percent.
- Student will make a vocabulary foldables for their interactive notebook

Closing Discussion:

**Thinking out-of-the-box**
Where do you see rational numbers?
How do you use rational numbers in your everyday life?
Can you convert the sale percentage at the mall into fractions?
Review & Assessment:

Vocabulary
Each SW make and paste their vocabulary foldable into their interactive notebook. Students may use the Frayer model.

Content
SW will make a rational number chart and a vocabulary foldable as hands-on supplementary learning tool for their interactive notebook.

Extension / Take-home Activity:

• SW will make a equivalency flip chart for (1) one whole (2) one-eighth