**6thGrade Math Unit Plan-Fractions/Decimals**

**Indicators:**

NS.A.3 Explain why a number is referred to as being “rational”, and recognize that the expression a/b can mean a parts of size 1/b each, a divided by b, or the ratio of a to b.

NS.H.8 Represent multiplication and division situations involving fractions and decimals with models and visual representations; e.g., show with pattern blocks what it means to to take 2 2/3 divided by 1/6.

NS.F.10 Recognize that a quotient may be larger than the dividend when the divisor is a fraction;

NS.H.11 Perform fraction and decimal computations and justify their solutions; e.g., using manipulatives, diagrams, mathematical reasoning

NS.H.12 Develop and analyze algorithms for computing with fractions and decimals, and demonstrate fluency in their use

NS.I.13 Estimate reasonable solutions to problem situations involving fractions and decimals

**Content/Concepts:**

        Multiplying fractions, dividing fractions, multiplying decimals, dividing decimals, transferring from fractions to decimals and vice versa, and rational numbers.

**Skills:**

Multiplying, dividing, simplifying, and estimation.

**Critical Questions:**

* Can I multiply two fractions?

Can I divide fractions?

Can I put my fractional answer in simplest terms?

Can I come up with a reasonable estimate for my fractions?

Can I convert between fractions and decimals?

**Assessments:**

Daily classroom work

Practice work

Classroom participation

Quizzes

Tests