**Math Unit 2: Arithmetic Operations (4-6 weeks)**

**EQ: HOW can mathematical ideas be represented?**

**Week 4: 12/2 – 12/6**

12/2- Lesson 14 - Division Algorithm – Converting Decimal Division into Whole Number Division Using Fractions

YWBAT use your knowledge of dividing multi-digit numbers to solve for quotients of multi-digit decimals

Success is: solving multi-digit decimal division problems using the standard algorithm

* Opening exercise
* Example 1: from fraction to decimal
* Division algorithm in foldable
* Exercises 1-3
* Example 2: placing the decimal
* In pairs/small group: exercises 4-7
* Example 3: real life division of decimals
* Exit ticket
* Re-visit goals

12/3 - Lesson 15 - Division Algorithm – Converting Decimal Division into Whole Number Division Using Fractions

YWBAT use mental math and your knowledge of multi-digit numbers to solve for quotients of multi-digit decimals

Success is: correctly placing the decimal in decimal division problems and its connection to multiplying by powers of 10

* Correct homework
* Opening exercise
* Example 1: Using mental math to find a quotient
* Exercises 1-4
* Example 2: Mental math and division of decimals
* Exercises 5-7
* Example 3: Mental math and the division algorithm
* Example 4: Mental math and reasonable work
* Exit ticket
* Re-visit goals

12/4 – Module Project: Planning a Holiday Party

YWBAT apply your knowledge of multi-digit number computation toward the planning of a holiday party for your class

Success is: correctly adding, subtracting, multiplying and dividing in order to stay within budget

* Correct homework
* Project

12/6 – Module Project: Planning a Holiday Party

YWBAT apply your knowledge of multi-digit number computation toward the planning of a holiday party for your class

Success is: correctly adding, subtracting, multiplying and dividing in order to stay within budget

* Correct homework
* Finish project
* Reflection