**Math Unit 4: Expressions and Equations (4-6 weeks)**

**Week 5: 2/24 - 2/28**

2/24 - Lesson 19: Substituting to Evaluate Addition and Subtraction Expressions

YWBAT use variables to write expressions involving addition and subtraction from real-world problems

Success is: evaluate expressions when given the value of the variable

* Sprint: subtraction of decimals
* Opening exercise: analyzing data tables for patterns
* Example 1: creating an expression using variables to represent pattern seen in table
* Example 2: creating an expression using variables to represent pattern seen in table
* Exercises in pairs (small group)
* Closing/Re-visit goals
* Exit ticket

2/25 - Lesson 20: Writing and Evaluating Expressions – Multiplication and Division

YWBAT develop expressions involving multiplication and division from real-world problems

Success is: evaluate expressions when given the valuable of the variable

* Correct homework
* Discussion: how does using tables help understand expressions?
* Example 1: apples at the farmer’s market
* Exercise 1: in pairs
* Exercise 2: independently
* Exercise 3: challenge problem
* Closing/Re-visit goals
* Exit ticket

2/26 - Lesson 21: Writing and Evaluating Expressions – Multiplication and Addition

YWBAT develop formulas involving multiplication and addition from real-world problems

Success is: evaluate these formulas for given values

* Correct homework
* Mathematical Modeling Exercise: chairs around square tables
* Example 1 in small groups
* Closing/Re-visit goals
* Exit ticket

2/27 - Lesson 22: Writing and Evaluating Expressions – Exponents

YWBAT evaluate and write formulas involving exponents forgiven values in real-world problems

Success is: correctly write, and evaluate expressions when given the value of the variable

* Fluency exercise: multiplication of decimals
* Example 1: folding paper
  + How many times do you think you can fold a piece of paper in half the same way each time?
* Example 2: bacterial infection
* Example 3: volume of a rectangular solid
* Problem set: independent/small group
* Closing/Re-visit goals
* Exit ticket

2/28 - Assessment on writing and evaluating expressions

YWBAT apply what you have learned about reading, writing, and evaluating expressions in which letters stand for various numbers

Success is: confidently complete the assessment

* Correct homework
* Assessment