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

**Week 2: 2/3 to 2/7**

2/3 - Exploratory Lesson: using visuals to understand expressions

YWBAT understand that a variable is symbol whose value varies

Success is: determining the expression that represents the visual puzzle

* Using symbol puzzles to explore expressions
  + Front loading algebra vocabulary

2/4 - Lesson 9: Writing Addition and Subtraction Expressions

YWBAT write expressions that record addition and subtraction operations with numbers

Success is: solve expressions that record addition and subtraction operations with numbers

* Correct homework
* Sprint: division of fractions
* Examples 1-7; white board response
* Exercises 1-8 in pairs (small group)
* Exit ticket
* Re-visit goals

2/5 - Lesson 10: Writing and Expanding Multiplication Expressions

YWBAT view one or more parts of an expression as a single entity

Success is: correctly identifying parts of an expression using mathematical terms for multiplication

* Correct homework
* Discussion: different ways to indicate multiplication is to be performed
* Vocabulary: factor, product, quotient, coefficient, term
* Example 1: writing an expr4ession as simply as possible
* Example 2: expanding simplified multiplication expressions
* Example 3: expanding an expression in order to solve
* Expression Bingo
* Exit ticket
* Re-visit goals

2/6 - Lessons 13 and 14: Writing Division Expressions

YWBAT understand that division expressions can be written in multiple formats

Success is: writing division expression in two forms, “dividend ÷ divisor” and

* Collect homework
* Opening exercise
  + Discussion: how can we write or show 8 divided by 2?
* Examples 1-3: writing division expressions
* Exercises a-h in pairs
* Examples 1-2; white board response
* Exercise in pairs: writing equivalent division expressions
* Exit ticket
* Revisit goals

2/7 - Lesson 15: Read Expressions in Which Letters Stand for Numbers

YWBAT read expression in which letters stand for umbers and assign operation terms to operations when reading

Success is: identifying parts of an algebraic expression using mathematical terms for all operations

* Correct homework
* Opening exercise
  + Discuss
* Example 1: writing expressions using words
* Exercises 1-10 in pairs
* Exit ticket
* Re-visit goals