**Math Unit 1: Ratios and Unit Rates (8 weeks)**

**EQ: HOW do you use equivalent rates in the real world?**

**Week 4: 9/23 – 9/27**

9/23 - Tables of Equivalent Ratios Lesson 9

YWBAT understand the value of using tables in problem solving

Success is: use ratio tables to organize equivalent ratios

* Warm up
* Examples 1-2: creating ratio tables
* Guided practice: alone or in pairs, exercises 1-2
* Independent practice: exit ticket
* Lesson summary/Re-visit goals

9/24 - The Structure of Ratio Tables – Additive and Multiplicative Lesson 10

YWBAT identify both the additive and multiplicative structure of a ratio table

Success is: using that structure to make additional entries in the tables

* Correct Homework
* Exploratory challenge: ratios in fruit salad
* Guided practice
* Small group practice: exercise 1
* Closing/Re-visit goals

9/25 - Comparing Ratios Using Ratio Tables Lesson 11

YWBAT identify both the additive and multiplicative structure of a ratio table

Success is: solve problems by comparing different ratios using two or more ratio tables

* Correct Homework
* Review ways to analyze a ratio
  + tape diagram
  + base or simplified (value of a ratio)
  + multiplicative or additive relationships
* Example 1: using ratios tables to compare ratios
* In groups: exercises 1-2
  + Guided practice: discuss
* Independent practice: exit ticket
* Closing/Re-visit goals/EQ

9/26 - From Ratio Tables to Double Number Lines Lesson 12

YWBAT create equivalent ratios using a ratio table and represent these ratios on a double number line

Success is: using double number lines to solve ratio word problems

* Correct Homework
* Whole group exercises 1-2 and example 1: from ratio tables to double number lines
* Guided practice – exercises 3-4
* Re-visit goals/lesson summary

9/27 - From Ratio Tables to Equations Using the Base Value of a Ratio Lesson 13

YWBAT use ratio tables to determine the rule or equation

Success is: use the base value of a ratio to solve problems by writing and solving equations

* Correct homework
* Vocabulary chart: equation (AKA function rule)
* Guided Practice exercises 1-3: using the base value of a ratio to find the equation for the ratio table
* Independent practice: exercises 4-6
* Re-visit goals/lesson summary