

Common Core State Standards

6.RP.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	6.RP.3 Use ratio and rate reasoning to solve real-world and mathematical problems, e.g. by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.	6.RP.3a Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.
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Essential Question: *How do you use ratio concepts and ratio reasoning to solve problems?*

Monday & Tuesday: FALL NWEA TESTING

* NWEA Objective: Students will determine their current levels in math by taking the Fall NWEA math test. Students will record their current RIT scores in the areas of Operations and Algebraic Thinking, Numbers and Operations, Measurement and Data, and Geometry.

NOTE: Display NWEA Goal Setting Sheet on Doc Cam with instructions showing how to fill it out when finished testing

Wednesday: Binders, Google Classroom, and Math Warm Ups

Objective: Students will set up their math binders, join my Google Classroom and begin working on Math Warm Ups (Ratio of the Day) today. Classroom Expectations and Procedures will also be reviewed!

Agenda:

1. Warm up: (10 min) W1:Day 1, Growth Mindset Video: Famous Failures (during attendance):
<https://www.youtube.com/watch?v=zLYECljmnQs&list=PLmQSJICY9X0fEdDOWepUX60JvBiYAqgap>
2. Classwork: Students will begin working on their math warm up as soon as they enter class, I will EXPLICITLY go over the warm up with the class to ensure they understand how to complete it each day.
3. I will show each class my class website and have them sign up for Google Classroom today while in class. Students will begin homework today!

Thursday: Khan Academy

Objective: Students will be introduced to Khan Academy through Google Classroom. Students will be assigned a standard/lesson each week to complete by Friday- each lesson is directly related to what we are learning in class- today will be a day to sign up for Khan Academy and record their RIT scores into their accounts.

Agenda:

1. Warm up: (10 min) W1:Day 2, Growth Mindset- Kid President Video:
<https://www.youtube.com/watch?v=l-gQLqv9f4o&list=PLmQSJICY9X0fEdDOwepUX60JvBiYAqqap&index=3>
2. Classwork: Khan Academy
3. Homework: Ratio of the Day Review.

Friday: Introduction to Ratios and Proportions

Objective: Students will understand that a ratio is an ordered pair of numbers which are not both zero. Students will create and write ratios based on the number of colored skittles they have in their bag of skittles illustrating part to part and part to whole ratios.

Agenda:

1. Warm up: Math Antics Video: Introduction to Ratios <https://www.youtube.com/watch?v=RQ2nYUBVvqI>
2. Activity (15 min): Skittles Activity
3. Classwork: (30 min) Introduction to Ratios Notes Worksheet
4. Exit Ticket: Intro to Ratios Exit Ticket
5. Homework: Introduction to Ratios Worksheet (write each ratio in each of the three ways (fraction, "to", and colon) and 6.RP.1 Daily Quiz (2 Sided Homework Page)

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