Fractions, Ratios and Rates Note Taking Guide

1. Thinking about the Always, Sometimes and Never Activity, how would you compare a fraction and a ratio?

Fractions	Ratios

2. Before we look at the differences, lets define Fractions, Ratios, and Rates and then break down their attributes

Definition

Fractions	***Ratios***	***Rates***

How can they be graphed?

Fractions	***Ratios***	***Rates***
○ Number line ○ Coordinate Plane	○ Number line ○ Coordinate Plane	○ Number line ○ Coordinate Plane

When adding or subtracting, do you need a common denominator? Why?

Fractions	***Ratios***	***Rates***
	John plays basketball. In the 1st game he made 3 out of 5 foul shots. In his 2nd game he made 5 out of 7 foul shots. What was his foul shooting percentage for these two games?	Sean can paint 2 rooms in 3 hours. Sara can paint 3 rooms in 4 hours. How long would it take them to paint a room together? $(r_1 + r_2)t = 1$

What do the units look like?

Fractions	*Ratios*	*Rates*
○ No units ○ Same Unit ○ Different Units	○ No units ○ Same Unit ○ Different Units	○ No units ○ Same Unit ○ Different Units

What do equivalencies represent?

Fractions	*Ratios*	*Rates*
Same _____ Create a model for: $\frac{1}{2} = \frac{2}{4}$	Same _____ Create a model for: $1:2$ and $2:4$	Same _____ Create a model for: 2 apples per dollar and $4/2$ apples per dollar

Other Points of Interest

Fractions	*Ratios*	*Rates*