

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
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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

- No units
- Same Unit
- Different Units

Ratios

- No units
- Same Unit
- Different Units

Rates

- No units
- Same Unit
- Different Units

What do equivalencies represent?

Fractions

Same _____

Create a model for:

$$\frac{1}{2} = \frac{2}{4}$$

Ratios

Same _____

Create a model for:

1: 2 and 2: 4

Rates

Same _____

Create a model for:

2 apples per dollar and
4/2 apples per dollar

Other Points of Interest

Fractions

Ratios

Rates