Rules about fractions

Name _____

Motivation: Not all numbers are whole numbers! (In fact, there are infinitely-many fractional numbers)

EXAMPLE 1:

How do we simplify $\frac{4}{4}$?

Make a rule for simplifying any number divided by itself:

EXAMPLE 2:

How can we write the fraction $\frac{3}{5}$ as a fraction with a denominator of 10?

Make a rule for changing the denominator of a fraction to whatever we want:

EXAMPLE 3:

Find the answer: $\frac{2}{10} + \frac{3}{5} =$

What is the process of adding two fractions together?

EXAMPLE 4:

Write in lowest terms: $\frac{8}{10}$

What is the process of writing a fraction in lowest terms?

PRACTICE:

1.) Make $\frac{4}{3}$ a fraction w/ denominator 12.

2.) Make $\frac{1}{2}$ a fraction w/ denominator 16.

3.) Make $\frac{5}{12}$ a fraction w/denominator 72.

4.) Make $\frac{5}{3}$ a fraction w/ denominator 9.

5.) Put in lowest terms: $\frac{3}{15} =$ ___ $\frac{12}{20} =$___

6.) $\frac{1}{3} + \frac{2}{3} =$

7.) $\frac{4}{8} + \frac{2}{8} =$

8.) $\frac{2}{3} + \frac{1}{9} =$

9.) $\frac{1}{2} + \frac{5}{12} =$

10.) $\frac{3}{7} + \frac{9}{14} =$