Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 4- Part 2 Information

**Essential Question**

**MCC5.NF4a.** How can you create a story context to multiply fractions and whole numbers?

**MCC5.NF4b.** How can modeling an area help us with multiplying fractions?

 In finding the area of a rectangle, how does tiling unit squares compare to multiplying fractional lengths?

**MCC5.NF5a.** How does the size of the whole determine the size of the fraction?

 How can you compare the product of two fractions without performing the indicated multiplication? Why?

**MCC5.NF5b.** Why is it that when a fraction is multiplied by a fraction greater than one, the product is greater than the original fraction?

 Why is it that when a fraction is multiplied by a fraction less than one, the product is less than the original fraction?

 How can decomposing fractions or mixed numbers help us model fraction multiplication?

 How can decomposing fractions or mixed numbers help us multiply fractions?

**MCC5.NF6** Can you identify or solve real world problems using multiplication of fractions?

**MCC5.NF7a.** How could you solve a division problem involving fractions?

 What does dividing a unit fraction by a whole number look like?

 How can we model dividing a unit fraction by a whole number with manipulatives and diagrams?

 How do you create a word problem that will divide a unit fraction by a whole number?

**MCC5.NF.7b.** How could you solve a division problem involving a whole number divided by a fraction?

 What does dividing a whole number by a unit fraction look like?

 How do you create a word problem that will divide a whole number by a unit fraction?

 How can you relate multiplication and division of fractions?

**MCC5.NF.7c.** How could you solve a division problem involving a fraction divided by a whole number?

 How could you solve real world problems using division of unit fractions?

ADVANCED: **MCC6.NS.1** How could you solve real world problems using division of common fractions?How would you use visual fraction models to solve dividing fraction problems?

**Multiplying Fractions**

When you multiply fractions you just multiply straight across. Ex. $\frac{2}{5}$ x $\frac{3}{4}$ = $\frac{6}{20}$ = $\frac{3}{10}$

**Dividing Fractions**

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