Multiplying and Dividing Fractions Guided Notes

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| Multiplication Steps:1. If in mixed number form, change mixed number to an \_\_\_\_\_\_\_\_\_\_ fraction
2. To multiply fractions, multiply the \_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_

 | Multiply $\frac{2}{3}$ times $\frac{4}{5}$$\frac{2}{3}$ x $\frac{4}{5}$ = $\frac{8}{15}$ | 1. $\frac{3}{5}\left(-\frac{2}{7}\right)$
2. $\left(-\frac{1}{3}\right)\left(-1\frac{5}{8}\right)$
 |
| Division Steps:1. To divide fractions, multiply the first fraction by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the second fraction.
	1. In other words,

\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_ | Divide $\frac{5}{6}$ ÷ $\frac{2}{3}$ =$\frac{5}{6} $x $\frac{3}{2}$ = $\frac{15}{12}$ = $\frac{5}{4}$ = **1**$\frac{1}{4}$  | 1. $\frac{2}{5}÷\frac{1}{9}$
2. $\left(-\frac{6}{7}\right)÷\left(-\frac{1}{4}\right)$
 |

**Do It Together**

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| $\frac{3}{4}$ x $\frac{2}{9}$ = | 3$\frac{4}{7}$ x $\frac{7}{8}$ =  | $4\frac{2}{3}$ ÷ $3\frac{4}{5}$ |

**Do It Yourself**

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| Simplify $3\frac{3}{4} x 2\frac{3}{5}$ | **Simplify** $\frac{3}{5} ÷$ $\frac{9}{4}$ | **Simplify** 4$\frac{3}{8}$ $÷$ 2$\frac{5}{6}$ |

**Reading Word Problems – Remember your CUBES**

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| $\frac{2}{15}$ of a class of 30 students are wearing read t-shirts today. How many students is that? | The door of the art room measures 6 feet by 4 ½ feet. Theart teacher is considering asking a group of fifth graders topaint the door with designs. How large an area will they bepainting? | Juan took 6 apples and cuteach into one-eighths. How many pieces of apple did he have? |