**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_**

**Chapter 5: Multiplying Fractions**

**Multiplying Fractions is Easy as 1, 2, 3!**

1. **Look to see if you can \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ anywhere.**
	* Cross canceling is when you simplify/reduce any top with any bottom (Remember-you can’t have two tops with no bottom or two bottoms with no top; it’s like getting dressed in the morning ☺)
2. **Then multiply \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **Finally multiply \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*\*ALWAYS SIMPLIFY final answers. Ask yourself:**

* Is my answer proper? (If it’s improper, change it to a mixed number)
* Is my answer in lowest terms**?**

**Example:**

$\frac{4}{5} $**x** $\frac{15}{ 18}$**=**

**Multiplying Mixed Numbers is Easy as 1, 2, 3,…4?!**

1. Change the mixed number to an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Cross cancel if you can.
3. Numerator x Numerator
4. Denominator x Denominator …then simplify

**Example:**

$2\frac{1}{3} $**x** $\frac{9}{ 10}$**=**

**Fractions of a Whole**

When you are multiplying two fractions, like ½ x ¾, you are really finding ½ **of** ¾. The word **“of”** means multiplication when it comes to fractions and vice versa.

So when a question asks for **¾ of 20**, you can re-write that problem as **¾ x 20** (remember- when multiplying whole numbers, since they don’t have a denominator, you must give them **1-**literally!)

$\frac{3}{4}$ **x 20 =**