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| **MODULE:** 4 | **LESSON:** 1 | APPLYING GCF AND LCM TO FRACTION OPERATIONS |

**MULTIPLYING FRACTIONS**

**Step 1:** Multiply the numerators

**Step 2:** Multiply the denominators

**Step 3:** Simplify your answer

**MULTIPLYING MIXED NUMBERS**

**Step 1:** Change the mixed number to an improper fraction

**Step 2:** Multiply the numerators and then the denominators

**Step 3:** Change the answer back into a mixed number and simplify

3

**ADDDING/SUBTRACTING FRACTIONS**

**To add and subtract fractions with *like denominators*, add or subtract the numerators and keep the common denominator.**

Example:

**+ =**

**To add or subtract fractions with *different denominators*, you must rewrite the fractions with a common denominator. (Multiply each fraction by the other’s denominator to get equivalent fractions with common denominators)**

Example:

**-**

**ADDING MIXED NUMBERS:**

Step 1: *Add the fractions*

Step 2: *Add the integers*

Step 3: *Simplify your answer*

*4*

**SUBTRACTING MIXED NUMBERS:**

Same rules apply as above, except you might need to borrow if the fraction in the first mixed number is smaller than the fraction in the second.

17 cannot do , so you must borrow **one** from the 17 and add that **one** to

17 = 16 = 16 (remember )

Now you can subtract…..

16 - = 4 = 4