Lesson 4.1 – Multiplying Fractions and mixed numbers

**Standard:** *Number Sense 2.1*– Solve problems involving addition, subtraction, multiplication, and division of positive fractions and explain why a particular operation was used for a given situation.

**Content Objective (Know):** I will know how to multiply fractions and mixed numbers.

**Language Objective (Do):** I will write the steps to multiplying a mixed number on the back of my notes.

**Example 1: Multiply fractions** $\frac{1}{3}$ x $\frac{3}{4}$

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| **Step 1**: Multiply the denominators.**Step 2**: Multiply the numerators.**Step 3**: Convert improper fractions into mixed numbers if possible.**Step 4**: Simplify if necessary. |

**Example 2: Multiply mixed numbers 2**$\frac{1}{3}$ x $3\frac{1}{2}$

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| **Step 1**: Covert mixed numbers into improper fractions. (Multiply whole number by the denominator then add the numerator)**Step 2**: Multiply the denominators.**Step 3**: Multiply the numerators.**Step 4**: Convert improper fractions into mixed numbers if possible.**Step 5**: Simplify if necessary. |

**CFU - Practice:**

**1.)** $\frac{1}{2}$ x $\frac{1}{4}$ **2.)** $\frac{5}{6}$ x 1 **3.)** $\frac{1}{8}$ x $\frac{5}{6}$

**4.)**$ 3\frac{1}{3}$ x $5\frac{1}{4} $ **5.)**$ 2\frac{4}{5}$ x $7\frac{2}{10}$

 **6.)** $10\frac{1}{3}$ x $6\frac{3}{4}$ **7.)**$ 1$ x $\frac{4}{9}$