Lesson 4.2 – Dividing 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 divide fractions and mixed numbers.

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

**Vocabulary:**

**Reciprocal** – A fraction that is flipped upside down.

**Example** - =

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| Fraction | Reciprocal |
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**Example 1: Divide fractions**

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| **Step 1**: Make the second fraction a reciprocal  **Step 2**: Rewrite the problem as a multiplication problem  **Step 3**: Multiply the denominators.  **Step 4**: Multiply the numerators.  **Step 5**: Convert improper fractions into mixed numbers if possible.  **Step 6**: Simplify if necessary. |

**Whiteboard – CFU**

1. **2.)** **3.)** 4

**Example 2: Divide mixed numbers**

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| **Step 1**: Make all mixed numbers = improper fractions  **Step 2**: Make the second fraction a reciprocal  **Step 3**: Rewrite the problem as a multiplication problem  **Step 4**: Multiply the denominators.  **Step 5**: Multiply the numerators.  **Step 6**: Convert improper fractions into mixed numbers if possible.  **Step 7**: Simplify if necessary. |

**CFU - Practice:**

**1.)10** **2.)** **3.)**

**4.)** **5.)** **6.)**