Lesson 5.5 – Dividing Integers

**Standard:** *Number Sense 2.3*– Solve addition, subtraction, multiplication, and division problems including those arising in concrete situations, that use positive and negative integers and combinations of those integers.

**Content Objective (Know):** I will know how to dividing positive and negative integers.

**Language Objective (Do):** I will demonstrate how to dividing positive and negative integers by solving multiple problems, written on my whiteboard.

**Dividing integers RULES:**

**Same Sign =**

***Example:***

**Different Signs =**

***Example:*** *-*

**Zero =**

***Example:***

**Example 1: Dividing integers**

**1.) -24** $÷$ **(-6) 2.) -15** $÷$ **3 3.)**$\frac{36}{-6}$ **4.)** $\frac{-39}{3}$

**Step 1:** Divide both numbers.

**Step 2:** Follow dividing rules for the sign on the quotient.

**Example 2: Find the Mean**

**1.) -10, 6, -9 2.) 3, -3, -5, & 2**

**Step 1: Add up all the numbers**

**Step 2: Divide the sum by the amount of numbers there are in the problem.**

**CFU – Whiteboard**

**Divide Integers**

1.) -44 $÷$11 2.) 70 $÷$ -10 3.) -63$÷$ -9

4.) $\frac{-84}{-7}$ 5.) $\frac{72}{-9}$

**Find the Mean**

6.) 8, -11, -8, -2 7.) 7, -7, 9, 0

8.) 5, -5, 10, -10 9.) 25, 1, -2, -6