Lesson 5.2 – Adding 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 add positive and negative integers.

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

**Vocabulary:**

1. **Absolute Value –**

**Example –**

**Example 1: Finding Absolute Value**

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| --- | --- |
| **Number** | **Absolute Value** |
| -1 | $$\left|1\right|$$ |
| -2 | $$\left|2\right|$$ |
| 3 | $$\left|3\right|$$ |
| 5 | $$\left|\right|$$ |
| -10 | $$\left|\right|$$ |
| -3 | $$\left|\right|$$ |
| 19 | $$\left|\right|$$ |

**Example 2: Adding Integers with same sign**

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| **Rule: Same sign = Absolute value then place the sign in front****Step 1:** If same sign use the absolute value of both numbers.**Step 2:** Add the numbers together**Step 3:** Place the sign in front.**-3 + (-12 )** |

**Example 2: Adding Integers with different sign**

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| **Rule: different sign = Subtract the first number by the second number and place the sign of the larger number in front of the sum.****Step 1:** If different sign subtract the first number from the second number. **Step 2:** Place the sign of the larger number in front of the sum.**-9 + 7** |

**Whiteboard – CFU**

1.) -5 + (-11) 2.) -9 + 6

3.) 0 + (-7) 4.) -13 +15

5.) 15 + (-8) 6.) -12 + 12