

Name: _____

N. #1

Notes 1.1: Adding Integers

Objective:

- I can determine the sum of two integers with the same signs.
- I can determine the sum of two integers with different signs.
- I can add integers on a number line.

Warm up:

- Absolute Value: is the _____ between the number and zero on a number line. The **absolute value** of a number is always _____.

Directions: Determine the absolute value of each of the following.

1. $|8|$ 2. $|-19|$ 3. $|-52|$ 4. $|123|$

Adding two integers on a number line:

1. Start at 0 and draw an arrow to the first integer.
2. From that point
 - a. If the second integer is negative; go to the _____.
 - b. If the second integer is positive; go to the _____.

Directions: Use a number line to evaluate each expression.

Example 1: $-6 + (-2)$



Example 2: $4 + 5$



Example 3: $-5 + 12$



Add Integers with the same signs:

1. Determine the absolute value of each _____.
2. Determine the _____ of the absolute value.
3. Keep the _____ sign.

Directions: Determine the sum of the following expressions.

Example 1: $-32 + -29$

Example 2: $-65 + (-54)$

Example 3: $6 + 7$

Example 4: $-4 + (-18)$

Add Integers with different signs:

1. Determine the absolute value of each _____.
2. Find the _____ of absolute values.
3. Keep the sign of the _____ number.

Directions: Determine the sum of the following expressions.

Example 1: $-12 + 17$

Example 2: $7 + (-29)$

Example 3: $56 + (-34)$

Example 4: $-3 + 13$

Can you solve these?

1. $(-17) + (-19) + 17$

2. $-85 + (-26) + 71$

Name: _____

ET. #1

Exit Ticket 1.1: Adding Integers

Objective:

- I can determine the sum of two integers with the same sign.
- I can determine the sum of two integers with different signs.
- I can add integers on a number line.

Directions: Evaluate the expression below using a number line.

1. $-5 + (-4)$



Directions: Evaluate each expression using the rules of adding integers.

2. $-8 + (-6)$

3. $-56 + 28$

Name: _____

HW. #1

Homework 1.1: Adding Integers

Objective:

- I can determine the sum of two integers with the same sign.
- I can determine the sum of two integers with different signs.
- I can add integers on a number line.

Directions: Evaluate the expression below using a number line.

1. $9 + (-17)$



2. $-6 + 15$



Directions: Evaluate each expression using the rules of adding integers.

3. $-26 + 13 =$ _____

4. $-18 + (-12) =$ _____

5. $-18 + 21 + (-35) =$ _____