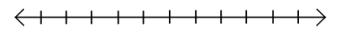


Adding & Subtracting Signed Numbers Class Work

★ **Do Now:** You owe \$25 towards your phone bill, but you just received \$88 for your birthday! Write any numerical expression involving addition, subtraction, multiplication, and/or division that could be used to determine how much money you have to spend as you wish. Then simplify your expression.

✎ **Quick Review: Absolute value is...**



1. $|-2| =$

2. $|18| =$

3. $|-100| =$

🌀 Adding Integers

★ If the signs are the **same**, find the _____ and keep the _____.

ex.

★ If the signs are **different**, find the _____, and take the sign of the number with the _____.

ex.

🌀 Subtracting Integers

★ Use the "**KFC**" Rule: _____, _____, _____

You can then apply the rules for addition.

ex.

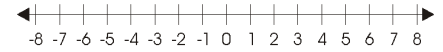
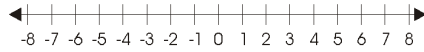
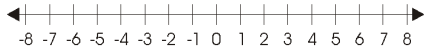
*Another Hint:

★ **Station 1:** Simplify each expression. Use the number line to assist you as necessary, and to support your answer.

1. $3 + -5$

2. $4 - 9$

3. $-2 + -1 + 4$



★ **Station 2:**

Simplify each expression. Use the counters to assist you as necessary, and to support your answer.

Red: Negative 1

Yellow: Positive 1

What would a red and a yellow combined be?: _____

1. $2 + -4$

2. $-4 - 1$

3. $6 + -2 + 1$

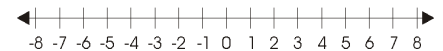
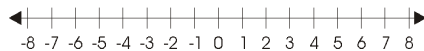
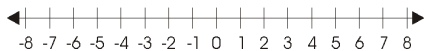
*Feel free to sketch the counters in the space above. 😊

★ **Station 1:** Simplify each expression. Use the number line to assist you as necessary, and to support your answer.

1. $3 + -5$

2. $4 - 9$

3. $-2 + -1 + 4$



★ **Station 2:**

Simplify each expression. Use the counters to assist you as necessary, and to support your answer.

Red: Negative 1

Yellow: Positive 1

What would a red and a yellow combined be?: _____

1. $2 + -4$

2. $-4 - 1$

3. $6 + -2 + 1$

*Feel free to sketch the counters in the space above. 😊

Name: _____ Date: _____ **Unit 1 Class Work**

✂ **Practice:** Simplify each expression in #1-6, and complete each exercise in #7-9.

1. $3 + n$ if $n = -10$

2. $-2 - p$ if $p = -5$

3. $4 + -11 - 10$

4. $w - 3 + (-2)$ if $w = 8$

5. $4 + -41 - s$ if $s = 9$

6. $12 - 21$

7. The temperature in the morning was -3 degrees Fahrenheit. It rose 40 degrees by the end of the day. Write and simplify a numerical expression to determine the final temperature.

8. The Giants gain 10 yards. On their next play, they lose 15 yards. Then they gain another 20 yards. Write and simplify a numerical expression to determine their net yardage gain/loss.

9. A submarine is 400 feet below sea level. It descends another 355 feet. Write and simplify a numerical expression to determine the location of the submarine as an integer.

***Optional Challenges:**

Challenge A: Create any problem in which the answer is -9 !

Challenge B: Will the sum of a negative integer and a positive integer always be a whole number? Support your answer.

Write down one aspect of today's lesson you found important below, and be ready to share. 😊