**Math Unit 1 Activity 2 - Adding and Subtracting Integers**When you have completed this worksheet, upload it to the matching Edmentum Assignment

| **Name:** | **Date:** |
| --- | --- |
| **Complete this worksheet and upload to the dropbox for the related assignment in Edmentum**. | |

**Guided Notes - Fill in the blanks**

| **Warm Up #1: Warm Up #2:**  How many squares do you see? .   | Answer = |  |  | * 7000’ * 6802’ * 6918’ * 5809’ |  | | --- | --- | --- | --- | --- | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Learning Target:**   | Students understand how to add and subtract |  | | --- | --- | | | | | | | | |
| **Key Vocabulary:**   |  | | - is a whole number either positive or negative that is NOT a fraction, including 0. | | | --- | --- | --- | --- | |  | | - A typical number line used to represent negative and positive numbers. | | | | | | | | | |
| **Ex. 1 - Adding Integers with the SAME sign:**   | **4 + 5 =** |  | | --- | --- |      | **-2 + -6 =** |  | | --- | --- | | | | | **Ex. 2 - Practice:**   | **9 + 3 =** |  | | --- | --- | | **-5 + -8 =** |  | | **-24 + (-42) =** |  | | | | |
| **Ex. 3 - Adding Integers with DIFFERENT signs:**   | **-6 + 10 =** |  | | --- | --- | | | | | **Ex. 4 - Practice:**   | **9 + -3 =** |  | | --- | --- | | **-5 + 17 =** |  | | **30 + (-50) =** |  | | | | |
| **Ex. 5 - Subtracting Integers:**  **(KEEP, CHANGE, CHANGE)**   | **-5 ▬ -8 =** |  | | --- | --- | | | | | **Ex. 6 - Examples:**   | **9 ▬ -6 =** |  | | --- | --- | | **-2 ▬ (-7) =** |  | | **14 ▬ 14 =** |  | | | | |
| 5 + 14 | | | | -25 + -30 | | | |
| 13 - (-4) | | | | - 32 - (-10) | | | |
| **Illustrate the scenario onto the number line diagram below:** John owes his parents $10. He earned $10 for mowing one lawn, but spent $5 for lunch. He earned $13 for mowing a second lawn, but spent $3 on a gatorade. How much money does John have left after paying back his parents? | | | | | | | |
| Which expressions are equivalent? (show your work & check all that apply)   * **-45 ▬ (-10) and 10 + (-45)** * **9 ▬ (-3) and -3 + (-9)** * **62 ▬ 11 and 62 + (-11)** * **23 - 7 and -23 (-7)** | | | | | | | |
| What is the total distance on a number line between -54 and 92? (show your work and check the correct box)   * **146** * **-146** * **38** * **-38** | | | | | | | |
| The highest mountain in the world is Mount Everest with an elevation of 29,032 feet. The deepest part of the ocean in the Mariana Trench is -35,876 feet. Find the difference between the highest mountain and deepest ocean. (Explain how you got your answer) | | | | | | | |