**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 |  |
| --- | --- |

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| **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) |