**Name: Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Know: Adding \_\_\_\_\_\_\_\_\_\_\_\_

**Show:I can add\_\_\_\_\_\_\_\_\_\_\_\_ to complete 10 problems on white boards using t-charts, number lines, and going to war methods**

Key Vocabulary:

|  |  |  |  |
| --- | --- | --- | --- |
| Word | Definition | Example | How will I remember? |
| Integer |  |  |  |

Key Facts:

* The sum of two positive integers is ALWAYS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The sum of \_\_\_\_\_\_\_\_\_\_negative integers is ALWAYS \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* The sum of a positive integer and a negative integer is sometimes positive, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ negative, and sometimes zero.
* Positive and negative integers \_\_\_\_\_\_\_\_\_\_\_\_\_ each other out.

**Review: Integers**

* What is an integer? Any number that does not have an extra \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or a \_\_\_\_\_\_\_\_\_\_\_  
  The numbers on a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!

METHOD 1: T-Chart Counters 4 + (-1) = \_\_\_\_\_\_\_\_\_\_\_\_\_ Show work:

**Step 1: Make a T-Chart for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and negative.**

**Step 2: Draw a plus sign \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (+) in the positive column for all the positive numbers.**

**Step 3: Draw negative sign counters (-) in the \_\_\_\_\_\_\_\_\_\_\_\_\_ column for all the negative numbers.**

**Step 4: Cross out any counters that cancel each other out. \*\*(+)(-) across from each other\*\***

**Step 5: Count your remaining counters and keep the \_\_\_\_\_\_\_\_\_\_\_\_ in the answer.**

**METHOD 2: Number line 4 + (-1) = \_\_\_\_\_\_\_\_\_\_\_\_**

Direction

Starting Point

4 + (-1)

Number of Places



**Step 1: Make a number \_\_\_\_\_\_\_\_\_\_.**

**Step 2: Start at 0, draw the first arrow for the first given number.**

**\*\*If positive go right \*\* If negative go left**

**Step 3: From the number, draw the second arrow above the 1st arrow showing the units of the 2nd given number.**

**Step 4: Where top arrow ends is the ANSWER.**

How can you use the number line to identify what the answer to the equation is?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*\*\*Method 3: GOING TO WAR!**

The easiest way to make sure we get these questions right every time is to go to \_\_\_\_\_.

Step 1: Look at the two numbers and the two \_\_\_\_\_\_\_. Whichever \_\_\_\_\_\_\_\_\_ is bigger, keep that \_\_\_\_\_\_.   
Step 2: If the signs are different, the answer is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between the numbers.

Positive Integers always represent the number of good guys, and negative integers always represent the number of bad guys. Remember:

Positive = Good



Negative = Bad



8 + (-3)=

**Method 4:** is to use money

Positive integers always represent what you get “paid” and negative integers always represent what you “owe.”

(-3) + (-6) = x

If you owe $3 and owe another $6, then you owe a total of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7 + (-4) = x

If you start with $7 and owe $4, then you have a total of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-9 + 4 = x

If you start off by owing $9, and then get paid $4, then you are still short \_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Create your own money story!***

6 + (-7) = x

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(-5) + 5 = x

+ and + equals \_\_\_\_\_\_\_\_

- and – equals\_\_\_\_\_\_\_\_

+ and – equals \_\_\_\_\_\_\_

- and + equals \_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You Do: 1-6 Check off **(DO NOT MOVE ON UNTIL I CHECK YOU OFF!!)**

|  |  |  |
| --- | --- | --- |
| 1. 13 + 7 | 1. –10 + 4 | 1. –23 + 34 |
| 1. 26 + 17 | 5. – 25 + 8 | 6. -14 + 30 |