DISCOVERY LAB: ABSOLUTE VALUE

STEP 1-BUILDING BACKGROUND

Directions:

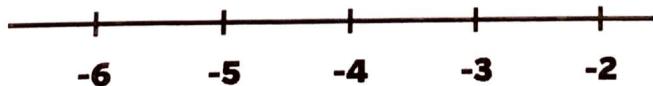Show the distance between 1 and 3 on this number line.

Show the distance between -9 and -4 on this number line.

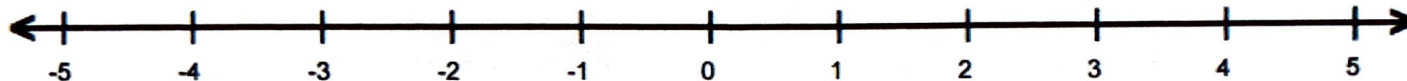Show the distance between .5 and 1.5 on this number line.

Show the distance between -2.5 and -4.5 on this number line.

STEP 2-OBSERVATIONS

Trial # 1 -What do the values 4 and -4 have in common? (not the symbols we use to represent them)
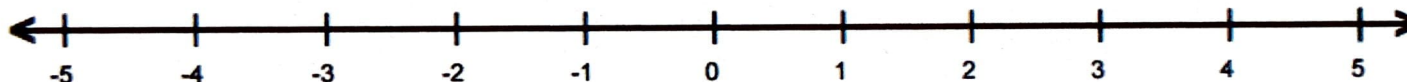❖ Mark both of them on the number line.
❖ Look for similarities they have related to distance.

-5	-4	-3	-2	-1	0	1	2	3	4	5

Similarities:

Trial #2 -What do the values 2.5 and -2.5 have in common? (not the symbols we use to represent them)
❖ Mark both of them on the number line.
❖ Look for similarities they have related to distance.

-5	-4	-3	-2	-1	0	1	2	3	4	5

Similarities:

Trial # 3 -What do the values ½ and -½ have in common? (not the symbols we use to represent them)
❖ Mark both of them on the number line.
❖ Look for similarities they have related to distance.

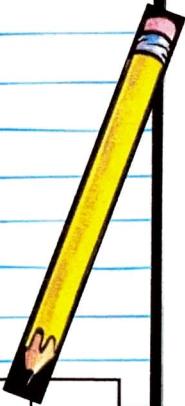|										
-5	-4	-3	-2	-1	0	1	2	3	4	5
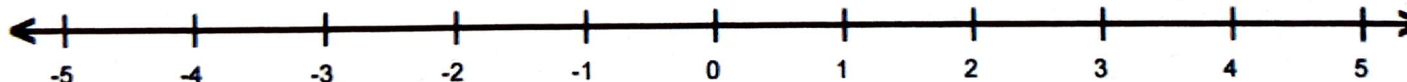
Similarities:

Write a rule about the relationship in distance between numbers and their inverse.

How will you remember what you learned in today's lesson?

Why do you think we used a number line to learn about this concept?

How is this related to adding and subtracting positive and negative numbers?