

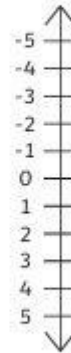
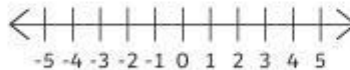
Positive and Negative Integers on a Number Line Notes

Vocabulary

Integer: a _____ that is not a _____.

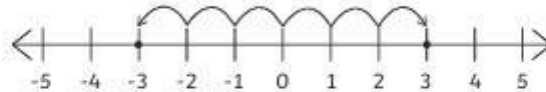
Number Line Review

- Number lines that extend _____ to _____ are called _____ number lines.
- Number lines that extend _____ and _____ are called _____ number lines.
- Integers (whole numbers) are _____ spaced out from each other on a number line.
- Numbers on the number line that are located to the right of zero or above zero are _____.
- Numbers on the number line that are located to the left of zero or below zero are _____.
- Positive numbers are _____ negative numbers.
- Numbers to the left of zero are _____ than numbers to the right of zero.
- The further a number is from zero on the left side (negative side), the _____ it is.
- The further a number is from zero on the right side (positive side), the _____ it is.
- If there is a - symbol in front of a number, we know that it is _____ or "opposite of" that number.
- Two numbers are considered _____ when they are the same distance away from zero on a number line.



Number Line Practice

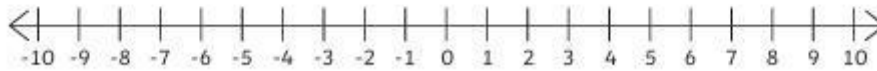
Look at the number line below. Use what you see to prove that the two numbers are opposites.



_____ and _____ are opposites because they are both _____.

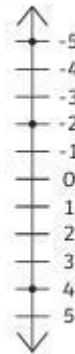
Plotting Integers on a Number Line

1. Use the number line to help you answer the following questions.



- The opposite of -4 is _____ because _____.
- The opposite of 9 is _____ because _____.
- The opposite of -1 is _____ because _____.

2. Look at the vertical number line. The numbers -2, 4, and -5 are plotted on the line. Determine each integer's opposite and explain using words.



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LIVEWORKSHEETS

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3. Complete the table below.

Integer	Location on the Number Line	Opposite	Number Line Model
-9			
	six units to the right of 0		
		-2	

4. Mark claims that -11 and 12 are opposites because they are the same distance from zero on a number line. Do you agree with Mark? Explain why or why not.

