

Absolute Value

1 Fill in the blank:

Absolute Value is a general concept in math that is related to _____

2 Fill in the blank:

Vectors are arrows that have just two properties: _____ and _____

3 Evaluate:

$$|7| = \underline{\quad}$$

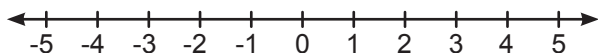
$$|-7| = \underline{\quad}$$

4 Evaluate:

$$|-15| = \underline{\quad}$$

$$|15| = \underline{\quad}$$

5 Use this number line to draw vectors representing the numbers 4 and -3



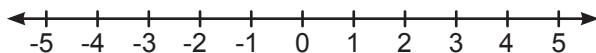
6 Evaluate: (remember that absolute value is basically a number's distance from zero.)

$$|-3.5| = \underline{\quad}$$

$$|0| = \underline{\quad}$$

7 Use the number line to illustrate the difference shown. (Hint: show the distance between the two numbers.)

$$|1 - 4|$$



8 Simplify:

$$|-6 + -2|$$

9 Simplify:

$$|-1| - |-5|$$

10 Simplify:

$$-(-3) + |-9|$$