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## Guided Notes - Integers and Absolute Value

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- An \_\_\_\_\_ is a positive or negative whole number.

Examples of integers:

Examples of non-integers:

- The \_\_\_\_\_ of a number is the distance between the number and 0 on a number line.
  - The absolute value of a number  $a$  is written as \_\_\_\_\_.
  - Be careful...the absolute value is NOT the \_\_\_\_\_ of a number!

### Examples

1.  $|-10| =$

2.  $|5| =$

3.  $|0| =$

4.  $-|99| =$

5.  $|\frac{2}{9}| =$

6.  $-|-2.5| =$

Write an integer for each of the following scenarios.

1. A diver is 80 meters below sea level
2. Your friend deposits \$20 into her account
3. A student spends \$5
4. Your iPhone's storage is full so you delete 50 songs
5. A frog's vertical jump height is 2 feet

Find the absolute values from each of the problem's above.

- 1.
- 2.
- 3.
- 4.
- 5.