Absolute Value Notes:

The **absolute value** of a number is the _____ between the number and 0 on a number line.

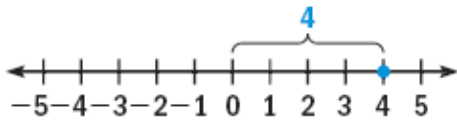- Because distance is a measurement, the absolute value of a number is always

  _____ .

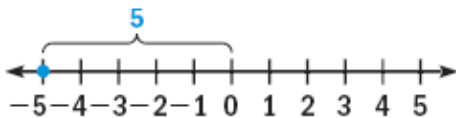- The symbol for absolute value is | |

  o |9 | or |-7|

Example A:

The distance between 4 and 0 is 4. So, $|4| = 4$.

What other number has an absolute value of 4?

Example B:

The distance between −5 and 0 is 5. So, $|-5| = 5$.

What other number has an absolute value of 5?

Example C:
- Plot -7 on the number line.

- What is | -7 |?