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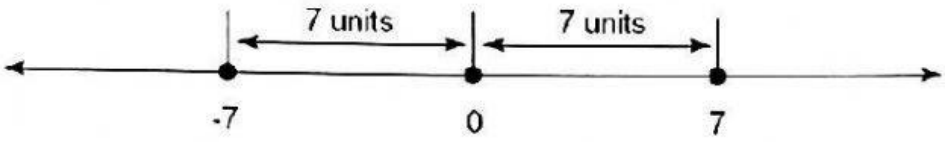
Absolute value

* **Absolute value of an integer** is the _____ from that integer to _____ on the number line.

❖ Absolute value is "always" _____ because distance is always a positive measure.

❖ The symbol of absolute value is _____.

Example 1 : Find the absolute values of -7 and 7.



The distance from 0 to 7 is 7 units, So $|7| = 7$

The distance from 0 to -7 is 7 units, So $|-7| = 7$

Example 2 : Find the absolute values.

(1) $|-4| =$ (2) $|18| =$ (3) $|0| =$

(4) $-|-2| =$ (5) $-|14| =$ (6) $-|-38| =$

(7) $|-30| =$ (8) $-(-|-5|) =$

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DO NOW!

. Find the absolute values of given integers.

1) Absolute value of -21 is _____ 2) Absolute value of -71 is _____

3) Absolute value of 21 is _____ 4) Absolute value of 57 is _____

5) Absolute value of 87 is _____ 6) Absolute value of 48 is _____

7) Absolute value of 79 is _____ 8) Absolute value of 46 is _____

9) Absolute value of 70 is _____ 10) Absolute value of -71 is _____

2. Determine the value shown.

(1) $-|3| =$ (2) $|-14| =$ (3) $|2| =$ (4) $-|-59| =$

(5) $-|54| =$ (6) $-|61| =$ (7) $|1| =$ (8) $|-78| =$

(9) $-|-31| =$ (10) $-|100| =$

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