

# Absolute Value

The absolute value of \_\_\_\_\_ is \_\_\_\_\_.

# Absolute Value

The absolute value of \_\_\_\_\_ can be represented on a number line at \_\_\_\_\_ and \_\_\_\_\_, because they are the same distance from zero.

## Example 1

**Simplify each expression.**

$$|17 - 6|$$

$|17 - 6|$      *Subtract first:  $17 - 6 = 11$ .*

*Find the absolute value.*

*What is the distance from zero?*

*11 is 11 units from 0.*

## Example 2

**Simplify each expression.**

$$|-8| + |-5|$$

*Find the absolute values first.*

*-8 is 8 units from 0*

*-5 is 5 units from 0*

*add*

### Example 3

**Simplify each expression.**

$$|5 + 1| + |8 - 6|$$

*Solve what is in the absolute value first.*

$$5 + 1 = 6, 8 - 6 = 2.$$

*Find the absolute values.*

*6 is 6 units from 0*

*2 is 2 units from 0*

*Add*