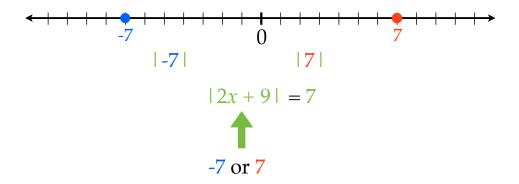
## Absolute Value

The absolute value of a number is its distance from zero on the number line.



## Steps to Solve an Absolute Value Equations

- 1. Isolate absolute value expression
- 2. Create two equations

$$|x| = a$$

$$x = a$$

$$x = -a$$

3. Solve both equations

Solve the following Absolute Value Equation
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$$|4x| = 28$$

Solve the following Absolute Value Equations

$$3|x| = 18$$

Solve the following Absolute Value Equations

$$|x+5|=3$$

Solve the following Absolute Value Equations

$$|3x - 9| = 12$$

Solve the following	Absolute	Value Ec	uations
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$$2|2x + 4| = 20$$

Solve the following Absolute Value Equations

$$-4 |x - 6| = 16$$

## Steps to Solve an Absolute Value Equations

- 1. Isolate absolute value expression
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$$|x| = a$$

$$x = a$$

$$x = -a$$

3. Solve both equations