What is a Line Segment?
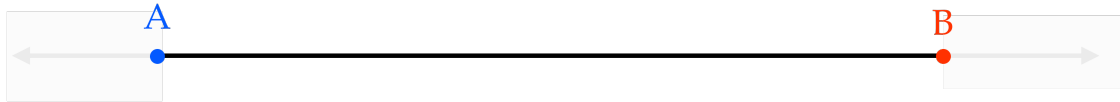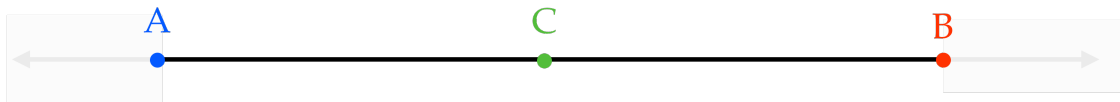
A part of a line that consists of two points, called endpoints.

A   B

What is the Midpoint of a Segment?

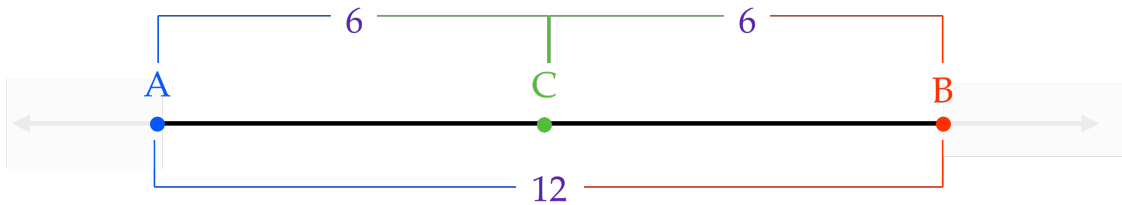The point that divides the segment into two equal lengths.

A   C   B

if AC = CB, then Point C is the midpoint of $\overline{AB}$

if Point C is the midpoint of $\overline{AB}$, then AC = CB

What is the Midpoint of a Segment?
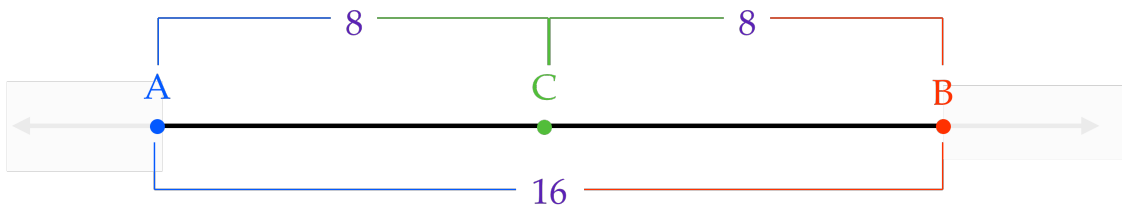### The point that divides the segment into two equal lengths.

	6		6	

A   C   B

12

Point C is the midpoint of $\overline{AB}$, and AB = 12

AC = 6   CB = 6

What is the Midpoint of a Segment?
The point that divides the segment into two equal lengths.

	8		8	

A   C   B

16

AC = 8   CB = 8

Point C is the midpoint of $\overline{AB}$, and AB = 16