

## Triangle Overview

## Triangle

A **triangle** is a polygon with three sides.

3 Sides

3 Vertices

3 Angles

 $\overline{AB}$ 

A

 $\angle A$  $\overline{BC}$ 

B

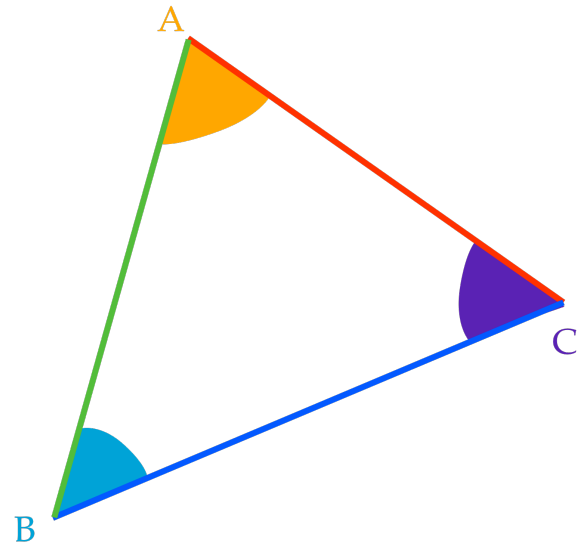
 $\angle B$  $\overline{AC}$ 

C

 $\angle C$ 

Angles in a triangle always add to be  $180^\circ$

$$m\angle A + m\angle B + m\angle C = 180^\circ$$

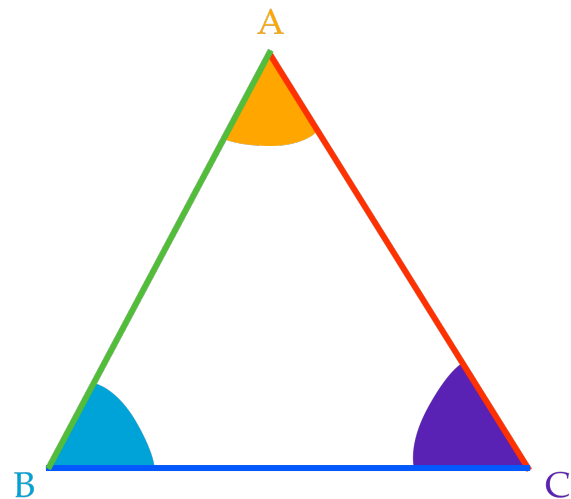


## Triangle

A **triangle** is a polygon with three sides.

## Acute Triangle

A **triangle** with all **acute** angles.



## Triangle

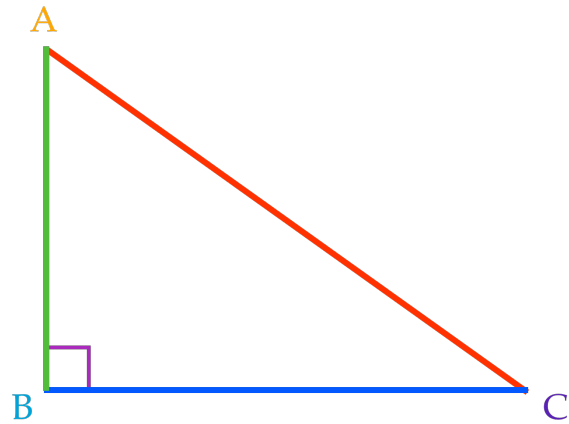
A **triangle** is a polygon with three sides.

### Acute Triangle

A **triangle** with all **acute** angles.

### Right Triangle

A **triangle** with a **right** angle.



## Triangle

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### Acute Triangle

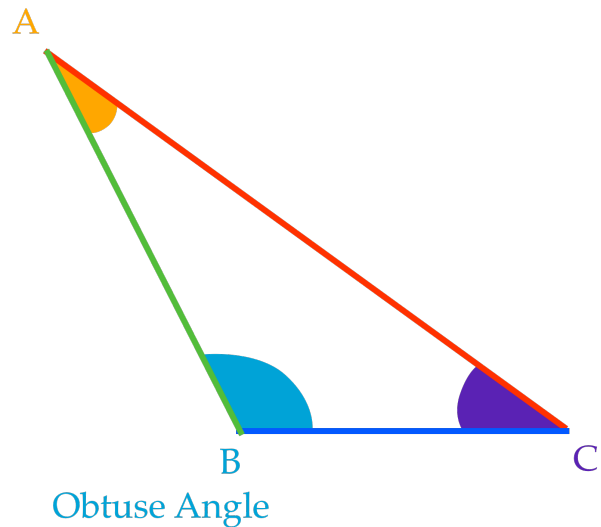
A **triangle** with all **acute** angles.

### Right Triangle

A **triangle** with a **right** angle.

### Obtuse Triangle

A **triangle** with an **obtuse** angle.



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### Right Triangle

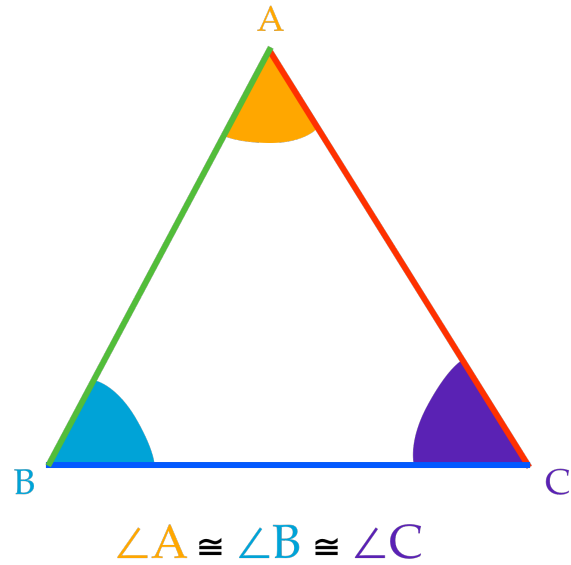
A **triangle** with a **right** angle.

### Obtuse Triangle

A **triangle** with an **obtuse** angle.

### Equiangular Triangle

A **triangle** with all **equal** angles.

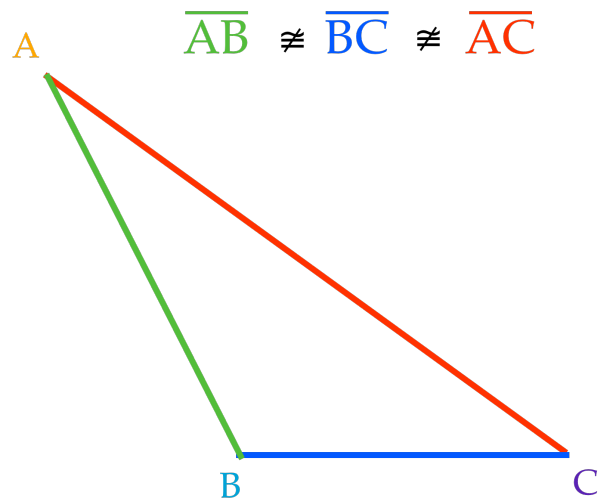


## Triangle

A **triangle** is a polygon with three sides.

### Scalene Triangle

A **triangle** with no congruent sides.



## Triangle

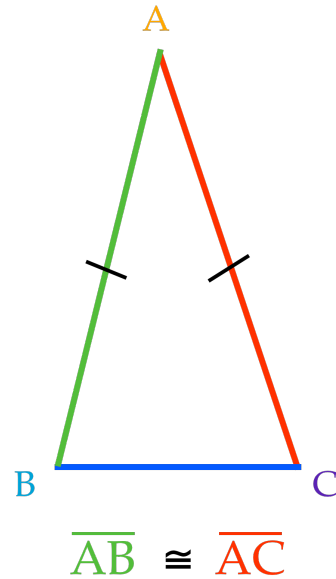
A **triangle** is a polygon with three sides.

### Scalene Triangle

A **triangle** with no congruent sides.

### Isosceles Triangle

A **triangle** with two congruent sides.



## Triangle

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### Scalene Triangle

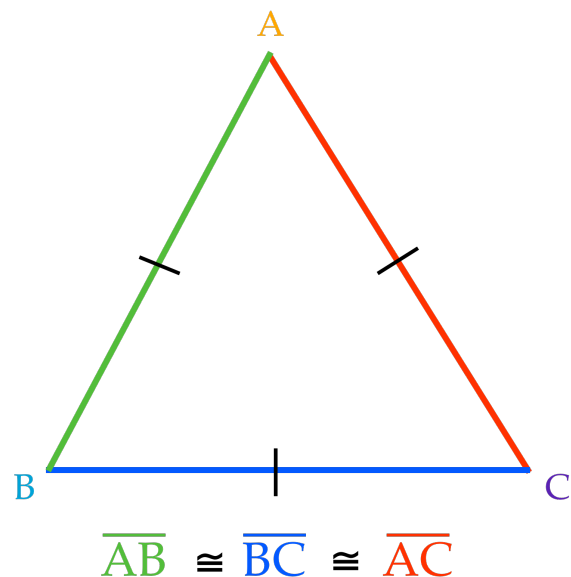
A **triangle** with no congruent sides.

### Isosceles Triangle

A **triangle** with two congruent sides.

### Equilateral Triangle

A **triangle** with three congruent sides.



by Angle  
Measurements

## Triangle

A **triangle** is a polygon with three sides.

by Side  
Measurements

### Acute Triangle

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