Cosmo School

Class-4

Subject-Mathematics

Chapter - 14 (Triangle)

Date: 22/10/2020

Lecture – 2
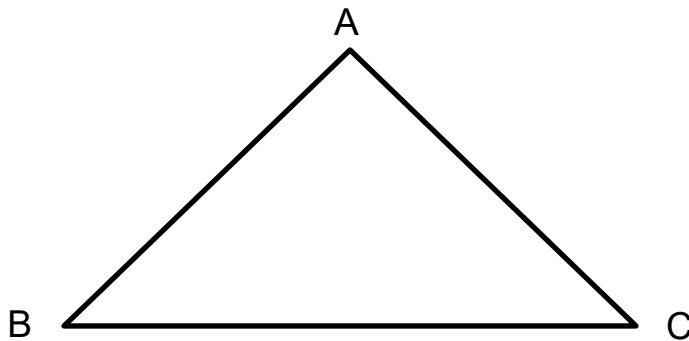
Triangle: A triangle is a closed figure with three sides.

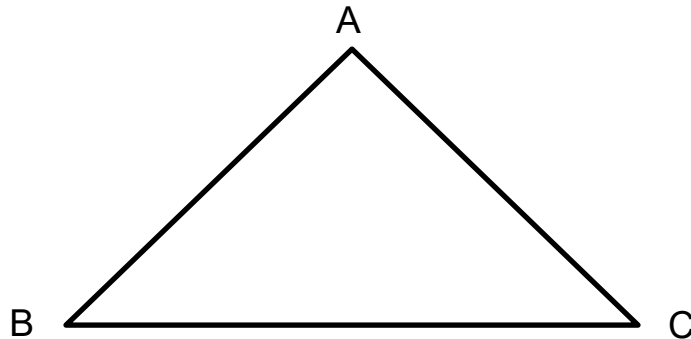Here, ABC is a triangle.

Characteristics:

1) It has three sides.

2) It has three corners / vertices.

3) It has three angles.

4) All triangles have angles adding up to 180°.

Types of triangles based on angles:

There are three types of triangle based on the angles. They are:
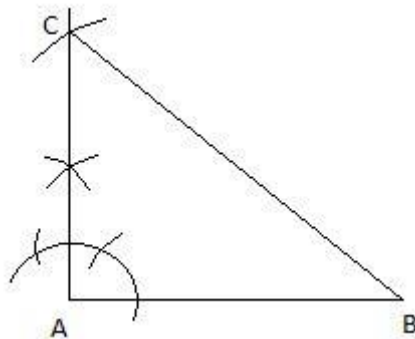
1) Acute angled triangle
2) Right angled triangle
3) Obtuse angled triangle

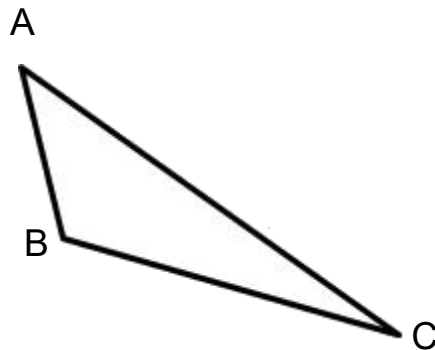**1) Acute angled triangle:** Acute angled triangles have all acute angles. All three angles are less than 90°.

Here, ABC is an acute angled triangle. Here < A, < B and < C are less than 90°.

2) Right angled triangle: Right angled triangles have one right angle. One of the angles is 90°.

Here, ABC is a right angled triangle. < A = 90°.

3) Obtuse angled triangle: Obtuse angled triangle have one obtuse angle.
One of the angles is greater than 90°.

Here, ABC is an obtuse angled triangle. < B is greater than 90°.

Exercise

1) How many vertices does a triangle have?
2) How many sides are there in a triangle?
3) How many angles are there in a triangle?
4) If all the angles of a triangle are acute, the triangle is called ⎯⎯⎯⎯⎯
5) If one angle of a triangle measures 90°, the triangle is called ⎯⎯⎯⎯⎯
6) If one angle of a triangle is obtuse, the triangle is called ⎯⎯⎯⎯⎯
7) Draw an acute angled triangle with one of the angles is 60°.
8) What is obtuse angled triangle?
9) Draw a triangle with one of the angles is 90°.
10) Draw an obtuse angled triangle with one of the angles 120°.

Prepared by –

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