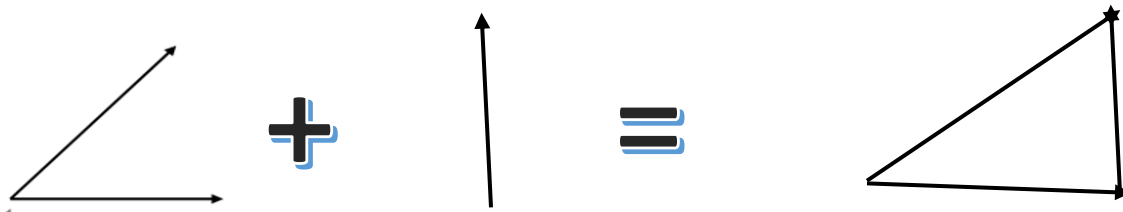


<b>CLASS</b>	<b>VI</b>
<b>SUBJECT</b>	<b>MATHEMATICS</b>
<b>TOPIC</b>	<b>BASIC GEOMETRICAL IDEAS</b>
<b>SUB TOPIC</b>	<b>Triangles, Types of triangle, Interior and Exterior of triangle,</b>
<b>NO OF SESSIONS</b>	<b>1</b>

**Introduction:**

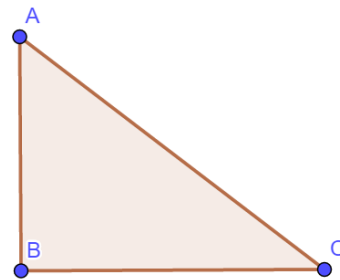
**Triangle:** Polygon with least number of sides.



A closed figure with 3 sides is a polygon which is termed as **Triangle**.

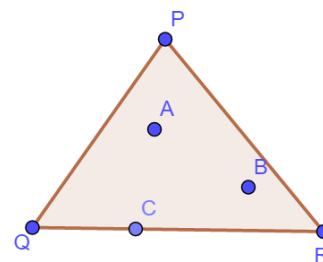
The shaded region inside the triangle ABC is the interior of the triangle.

The region outside the triangle is the exterior of the triangle.



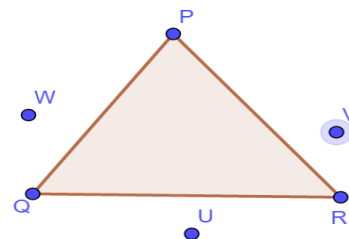
**Interior points of  $\Delta PQR$  :**

Points lying inside the closed figure are A , B



**Exterior points of  $\Delta PQR$**

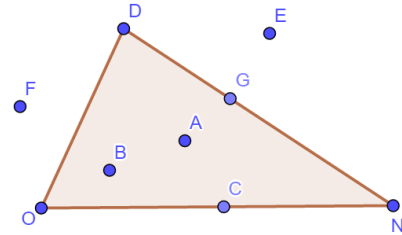
Points lying outside the closed figure are U, V, W



**Assignment:**

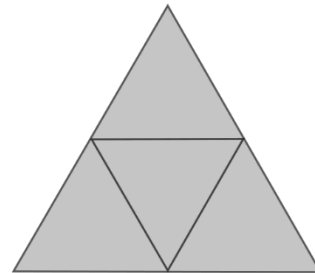
1. Name the following in the given figure:

- a. Interior point(s)
- b. Exterior point(s)
- c. Point(s) on the boundary.

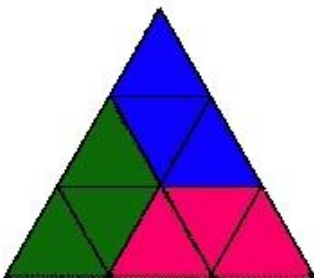


2. Identify the triangles in the given figure

- a. Label the triangles.
- b. Name all the angles.
- c. Name all the sides.
- d. Name all the triangles.



**Activity:**



How many triangles are there?

**CAN YOU SOLVE THIS TRIANGLE MATH PUZZLE**

<p>9 48 8 3</p>	<p>6 18 9 4</p>
<p>5 28 7 1</p>	<p>8 ? 21 5</p>

**Homework:** Exercise 4.4. → Q.No 1 & 2 from NCERT

