

## Exercise 12.2

### Question: 1

Total number of parts of a triangle is

### Solution:

Six: Three sides and three angles

### Question: 2

A perpendicular drawn from a vertex to the opposite side of a triangle is known as

### Solution:

An Altitude: An Altitude is defined as the perpendicular drawn from a vertex to the opposite side of a triangle.

### Question: 3

A triangle

### Solution:

has three altitudes

### Question: 4

Line segment joining the vertices to the mid – points of the opposite side of a triangle is known as

### Solution:

Medians: A median is defined as the line segment joining the vertex to the mid – point of the opposite side of a triangle.

### Question: 5

A triangle whose no two sides are equal is called

### Solution:

A scalene triangle: A Scalene triangle is defined as the triangle in which no sides are equal.



**Question: 6**

A triangle whose two sides are equal is known as

**Solution:**

An isosceles triangle: An isosceles triangle is a triangle that has two equal sides.

**Question: 7**

A triangle whose two sides are equal is called

**Solution:**

An equilateral triangle is defined as a triangle whose all sides are equal.

**Question: 8**

The sum of the lengths of side of a triangle is known as its

**Solution:**

Perimeter: Perimeter is defined as the sum of the length of all the sides of a triangle

**Question: 9**

A triangle having all sides of different length is known as its

**Solution:**

Scalene triangle: A Scalene triangle is defined as a triangle having all sides of different length.

**Question: 10**

A triangle whose one angle is more than  $90^\circ$  is called

**Solution:**

An obtuse triangle: An obtuse triangle is a triangle whose one angle is more than  $90^\circ$