

## Triangle, Its Parts and Perimeter

**Q#01:** Read the statements carefully and put the correct answers in the boxes.

- (i) It is a part of line which extends only in one direction.
- (ii) It is the sum of lengths of all sides of a closed 2D shape.
- (iii) It is a collection of points which extends in 2 directions.
- (iv) It is a 2D closed shape with 5 vertices, 5 angles and 5 sides.
- (v) It is a part of line having fixed length.






Line segment

Ray

Line

Perimeter

Pentagon

**Q#02:** (A) Choose the best option (only one).

- (i) Which of the following is a many sided closed 2D shape?

( line / Polygon / Ray )

- (ii) How many vertices does an octagon have?

( 8 / 3 / 2 )

- (iii) Which of the following is one of the sides of a triangle ASF?

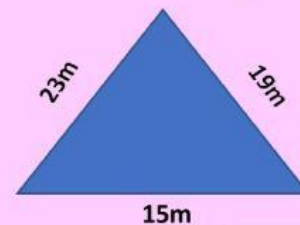
(  $\overline{AS}$  /  $\angle A$  /  $\triangle SF$  )

- (iv) What is the perimeter of a triangular park, if length of its sides are 11m, 9m and 7m??

( 27cm / 37m / 27m )

(B) Do the working on rough notebook and write the perimeter of the given triangle.

(Note: figure is not drawn according to the scale)



Perimeter of triangle =

(C) Guess the type of polygon and write its number of dimensions.

Type of polygon:

Number of dimensions:



**Q#03:** Match the columns by looking at the given triangle carefully.

**A**

Number of dimensions

Name of vertices

Name of sides

Name of angles

Number of sides

**B**

$\angle T, \angle U$  and  $\angle S$

$\overline{TS}, \overline{TU}$  and  $\overline{US}$

3

2

T, U and S

