

OBJECTIVE TYPE QUESTIONS**PAGE: 12.7****Mark the correct alternative in each of the following:****1. Total number of parts of a triangle is**

- (a) 3
- (b) 6
- (c) 9
- (d) 1

Solution:

The option (b) is the correct answer.
Total number of parts of a triangle is 6.

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

- (a) an altitude
- (b) a median
- (c) an angle bisector
- (d) a bisector

Solution:

The option (a) is the correct answer.
A perpendicular drawn from a vertex to the opposite side of a triangle is known as an altitude.

3. A triangle

- (a) may not have an altitude
- (b) can have at most 3 altitudes
- (c) has three altitudes
- (d) has only one altitude

Solution:

The option (c) is the correct answer.
A triangle has three altitudes.

4. Line segments joining the vertices to the mid-points of the opposite sides of a triangle are known as

- (a) medians
- (b) altitudes
- (c) heights
- (d) angle bisectors

Solution:

The option (a) is the correct answer.
Line segments joining the vertices to the mid-points of the opposite sides of a triangle are known as medians.

5. A triangle whose no two sides are equal is known as

- (a) an acute triangle
- (b) a scalene triangle
- (c) an isosceles triangle
- (d) an equilateral triangle

Solution:

The option (b) is the correct answer.

A triangle whose no two sides are equal is known as a scalene triangle.

6. A triangle whose two sides are equal is known as

- (a) acute triangle
- (b) an isosceles triangle
- (c) a scalene triangle
- (d) an isosceles triangle

Solution:

The option (b) is the correct answer.

A triangle whose two sides are equal is known as an isosceles triangle.

7. A triangle whose all sides are equal is called

- (a) an equilateral triangle
- (b) an acute triangle
- (c) a right triangle
- (d) an isosceles triangle

Solution:

The option (a) is the correct answer.

A triangle whose all sides are equal is called an equilateral triangle.

8. The sum of the length of sides of a triangle is known as its

- (a) area
- (b) height
- (c) perimeter
- (d) region

Solution:

The option (c) is the correct answer.

The sum of the length of sides of a triangle is known as its perimeter.

9. A triangle having all sides of different length is known as

- (a) scalene triangle
- (b) isosceles triangle
- (c) an equilateral triangle
- (d) an acute triangle

Solution:

The option (a) is the correct answer.

A triangle having all sides of different length is known as scalene triangle.

10. A triangle whose one angle is more than 90° is called

- (a) a scalene triangle
- (b) a right triangle
- (c) an acute triangle
- (d) an obtuse triangle

Solution:

The option (d) is the correct answer.

A triangle whose one angle is more than 90° is called an obtuse triangle.

