

OBJECTIVE TYPE QUESTIONS

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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.

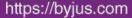
4. Line segments joining the vertices to the mid-points of the opposite sides of a triangle are known as
(a) medians
(b) altitudes
(c) heights
(d) angle bisectors
Solution:

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) regionSolution:

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.

