



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



SUBJECT :Algebra and Geometry
Marks:15

CLASS 8
Work sheet 8
TRIANGLES

Date:15.4.2020

Answer all the following questions($1 \times 15 = 15$)

1. A triangle formed by the sides of lengths 4.5 cm, 6 cm, and 4.5 cm is
 - (a) scalene
 - (b) isosceles
 - (c) equilateral
 - (d) none of these
2. The number of medians in a triangle is
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
3. An exterior angle of a triangle is 125° . If one of the two interior opposite angles is 55° then the other interior opposite angle is
 - (a) 70°
 - (b) 55°
 - (c) 60°
 - (d) 80°

4. In a $\triangle ABC$, if $\angle A = 40^\circ$ and $\angle B = 55^\circ$ then $\angle C$ is
 - (a) 75°
 - (b) 80°
 - (c) 95°
 - (d) 85°
5. If the angles of a triangle are 35° , 35° , and 110° , then it is
 - (a) an isosceles triangle
 - (b) an equilateral triangle
 - (c) a scalene triangle
 - (d) right-angled triangle
6. A triangle whose two angles measure 30° and 120° is
 - (a) scalene
 - (b) isosceles
 - (c) equilateral
 - (d) none of these
7. A triangle can have two
 - (a) right angles
 - (b) obtuse angles
 - (c) acute angles
 - (d) straight angles
8. A triangle is not possible whose angles measure
 - (a) 40° , 65° , 75°
 - (b) 50° , 56° , 74°
 - (c) 72° , 63° , 45°
 - (d) 67° , 42° , 81°
9. If in an isosceles triangle, each of the base angles is 40° , then the triangle is
 - (a) right-angled triangle
 - (b) acute-angled triangle
 - (c) obtuse-angled triangle
 - (d) isosceles right-angled triangle
10. A triangle cannot have more than right angle.
 - (a) 1
 - (b) 2

(c)3

(d)4

11. A triangle cannot have more than obtuse angle.

(a) 2

(b)1

(c) 3

(d)4

12. In every triangle, the sum of (interior) angles of a triangle = right angles.

(a) 3

(b) 2

(c)1

(d) 5

13. In every triangle, an exterior angle + adjacent interior angle = degrees.

(a) 90

(b) 180

(c)60

(d) 360

14. In every triangle, an exterior angle = sum of the interior opposite angles.

(a) 3

(b) 1

(c)2

(d) none of these

15. In a right-angled triangle, if one of the acute angles measures 25° then the measure of the other acute angle is

(a) 65°

(b) 55°

(c) 75°

(d) 85°