CLASS 8
SUBJECT :Algebra and GeometryWork sheet11
Marks:15   TRIANGLES
Date:20.2.2021

Answer all thefollowing questions(1×15=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 △ABC, if angleA = 40° and angleB = 55° then angleC 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) scale
   (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°

IndranilGhosh