Triangle Worksheet – 2

1. What is the perimeter of the below given triangle?
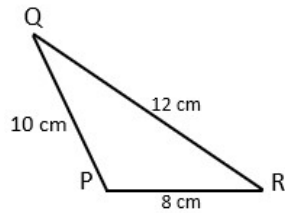
a)   20 cm

b)   18 cm

c)   30 cm

d)   None of these

2. What is the measure of each angles of an equilateral triangle?

a) 90^0

b) 60^0

c) 45^0

d) 30^0

3. The measures of two angles of a triangle are 35^0 and 65^0. What is the measure of third angle?

a) 90^0

b) 60^0

c) 45^0

d) 80^0

4. One of the acute angles of a right angle triangle is 50^0. What is the other acute angle?

a) 90^0

b) 40^0

c) 45^0

d) 80^0

5. A triangle whose all angles are equal to 60^0. Mark True / False.

a)   True

b)   False

6. The acute angles of a right angle triangle are in the ratio 3 : 2. What is the measures of these acute angles?

a) $50^0, 40^0$

b) $54^0, 36^0$

c) $60^0, 30^0$

d)   None of these

7. The angles of a triangle are in the ratio 2 : 3 : 4. What is the largest angle of the triangle?

a) 40^0

b) 60^0

c) 80^0

d)   None of these

8. A triangle can have two acute angles. Mark True / False.

a)   True

b)   False

9. A right angle triangle can be an equilateral triangle. Mark True / False.

a)   True   b)   False

10. A triangle sides can be 2 cm, 3 cm and 5 cm. Mark True / False.

a)   True   b)   False

11. If two sides of a triangle are equal, then its two angles are also equal. Mark True / False.

a)   True   b)   False

12. The sum of all the angles of a triangle is equal to 360^0. Mark True / False

a)   True   b)   False

13. The sum of lengths of any two sides is equal to the length of the third side. Mark True / False.

a)   True   b)   False

14. A triangle can have two acute angles. Mark True / False.

a)   True   b)   False

15. An isosceles triangle can be an equilateral triangle. Mark True / False.

a)   True   b)   False

16. A scalene triangle has all it's sides unequal. Mark True / False.

a)   True   b)   False

17. A right angle triangle can have obtuse angle. Mark True / False.

a)   True   b)   False

18. Each angle of an equilateral triangle is equal to _____.

a) 30^0 b) 90^0

c) 60^0 d) 180^0

19. If XYZ is a triangle with $\angle Y$ is equal to 90^0 and XY = YZ, then XYZ is a _____ triangle.

a)   Right Angle   b)   Acute

c)   Obtuse   d)   Isosceles Right-Angle

20. If ABC is a triangle with $\angle A = 50^0$, $\angle B = 60^0$ and $\angle C = 70^0$, then ABC is a _____ triangle.

a)   Acute   b)   Obtuse

c)   scalene   d)   None of these