

SUB-MATHEMATICS, CLASS-V
CHAPTER- 16 (TRIANGLES)
WORKSHEET (BASIC)

SECTION-A

(This section consists of 15 questions, carrying 1 mark each)

Fill in the blanks:

1. Sum of three angles of a triangle is equal to _____
2. In an isosceles triangle, any _____ sides are equal.
3. The sides of an _____ triangle are of equal length.
4. A triangle can have two _____ angles
5. In a triangle ABC, $AB+BC >$ _____
6. A triangle cannot have more than one _____ angle
7. The line segment AB, BC and CA are called _____ of the triangle
8. A triangle has _____ vertices
9. A triangle in which all sides are different length is called _____ triangle
10. The measurement of all the three angles of a right angled triangle is _____ degree.

State True or False.

11. A Triangle can have two right angles
12. The sides of an equilateral triangle are different in length
13. The sum of two sides of a triangle is equal with the third sides
14. Each angle of an acute angled triangle is less than 90°
15. A triangle in which any one angle is right angle is called Right angled triangle

SECTION-B

(This section consists of 5 questions, carrying 2 marks each)

16. How many vertices, sides and angles does a triangle have?
17. The sum of two angles of a triangle is 110° . Find the measure of the third angle.
18. Can $70^\circ, 70^\circ, 70^\circ$ be the measure of three angles of a triangle?
19. Find whether it is possible to draw a triangle with line segments of lengths 4cm, 4cm, 9cm.
20. Two angles of a triangle are 100° and 55° respectively. Find the measure of the third angle.

SECTION-C

(This section consists of 3 questions, carrying 3 marks each)

21. Sum of two angles of a triangle is 90° , find the third angle. Which type of triangle is this?
22. In an acute angled triangle all the angles are equal. Find all the angles of the triangle.
23. A closed figure is made of three line segments. What is the figure called? Also draw the figure.

SECTION-D

(This section consists of 2 questions, having 5 marks each)

24. Name the sides, vertices and angles of triangle ABC
25. Two angles of a triangle are 40° each. Find the third angle. Which type of triangle?

SECTION-A

(This section consists of 10 questions ,carrying 1 marks each)

Fill in the blanks:

- 1.All the sides of an _____ triangle are equal
- 2.A triangle can have _____ right angle.
- 3.Each angle of an acute angled triangle is _____ than 90°
- 4.The sum of the two acute angles in a right angled triangle is _____
- 5.In a scalene triangle the measures of all three angles are _____

State True or False

- 6.A Triangle having two sides of equal length is called iso scales triangle .
- 7.The sum of three angles of a triangle is greater than 180°
- 8.The sum of two acute angle of a right angled triangle is 45°
- 9.A triangle having two of its angles 30° , 70° is a scalene triangle.
- 10.A triangle can have all the three angles less than 60° .

SECTION-B

(This section consists of 3 questions ,carrying 2 marks each)

- 11.What is a Right angle?.draw one right angled triangle.
- 12.The sides of a triangle are 6 c.m each. Identify the type of triangle with reason
- 13.Three angles of a triangle are 60° each. Identify the type of triangle with reason.

SECTION-C

(This section consists of 2 questions ,carrying 3 marks each)

- 14.IS it possible to draw a triangle with angles 11° , 60° , 30° ?Give reason
- 15.How many acute angles are there in an acute angled triangle? Give reason.

SECTION-D

(This section consists of 5 questions ,carrying 5 marks each)

- 16.One of the acute angles of a right angled triangle is 55° .Find the other acute angle.
- 17.If in a triangleABC, $\angle A=72^{\circ}$,and $\angle B=65^{\circ}$.Find the measure of $\angle C$.
- 18.Ina triangle PQR,If $\angle P=90^{\circ}$ and $\angle q =\angle R$.Find the measure of each of the equal angle of the triangle.
- 19.In a right angled triangle ,the two acute angles are equal in measurement. Find these angles.
- 20.Is it possible to form a triangle with measures 30° , 90° , 90° .Give reason.

EMIL DAV PUBLIC SCHOOL, JILLING
SUB-MATHEMATICS, CLASS-V
CHAPTER- 16 (TRIANGLES)
WORKSHEET (ADVANCE)

SECTION –A

(This section consists of 3 questions, carrying 1 mark each)

Fill in the blanks

1. An obtuse angle is more than _____ angle, but less than _____ angle
2. Two right angles = _____ degree.
3. Number of acute angle of a right angled triangle is _____

SECTION-B

(This section consists of 3 questions, carrying 2 marks each.)

4. Can you draw a triangle with two obtuse angle?. Give reasons.
5. If all the three angles of a triangle are equal in measurement. Then find all the three angles
6. Two angles of a triangle are $40^\circ, 40^\circ$ each. Find the third angle. Which type of triangle is it?

SECTION-C

(This section consists of 2 questions, carrying 3 marks each.)

7. Name the type of triangle in which there is one right angle and two acute angle.
8. If two angles of a triangle are 45° , and 55° , respectively. then find the third angle.

SECTION-D

(This section consists of 2 questions, carrying 5 marks each.)

9. In a right angled triangle, the two acute angles are equal in measurement. Find the measure of the acute angles.
10. In a triangle all the three angles are same, Find the measurement of each angle.

EMIL DAV PUBLIC SCHOOL, JILLING
 SUB-MATHEMATICS, CLASS-V
 CHAPTER- 16 (TRIANGLES)
MARKING SCHEME

Worksheet	Q.No	Value Points	Marks for each value point	Total Marks
Basic	1	180°	1	1
Standard	1	Equilateral	1	1
Advance	3	2	1	1
Basic	20	$100^{\circ} + 55^{\circ} = 155^{\circ}$ $180^{\circ} - 155^{\circ} = 25^{\circ}$	1 1	2
Standard	15	3 acute angles. Acute angles are less than 90° . All angles are acute angles.	1 1 1	3
Advance	9	One angle is 90° . Sum of other two angles $180^{\circ} - 90^{\circ} = 90^{\circ}$. $90^{\circ} / 2 = 45^{\circ}$. Other two acute angles = 45° each	1 2 2 1	5
Basic	23	Triangle. Proper construction of triangle Naming	1 1 1	3