

Final term worksheet 2012-2013

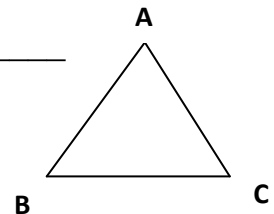
Class: V

Mathematics

Ln. 19 : TRIANGLE

I. Fill in the blanks :

1. A figure bounded by three line segments is called _____ .
2. The intersection of two sides of a triangle is called a _____ of the triangle.
3. A triangle has _____ sides.
4. A triangle has _____ angles.
5. A triangle has _____ vertices.
6. The line segments AB, BC and CA are called _____ of the triangle.



7. A triangle which has all its sides of different length is called a _____ triangle.
8. A triangle is called _____ if it has an angle of measure 90° .
9. The sum of the measures of three angles is _____.
10. A triangle cannot have more than one _____ angle.
11. A triangle whose two sides are equal is called an _____ triangle.
12. Each angle of an equilateral triangle is _____.

13. The side opposite to the right angle is called the _____.
14. A triangle is called _____ if all its angles are acute.
15. The sum of the lengths of any two sides of a triangle is _____ than the length of the third side.
16. A triangle whose three sides are equal is called an _____ triangle.
17. A triangle is called right angled if _____.
18. If in the ΔABC , $AB = BC = CA$, then ΔABC is _____
19. If in the ΔPQR , $PQ = PR$ then ΔPQR is _____
20. If in the ΔXYZ , $\angle Y = 90^\circ$, then the hypotenuse is _____.
21. If in the ΔABC , $\angle A = 60^\circ$, and $\angle C = 30^\circ$, then the triangle is _____
22. A triangle is called _____ .
23. In $\angle PQR$ the vertex is _____ and the arms are _____ and _____.

II Subjective type question :

1. In ΔABC , if $\angle A = 40^\circ$, and $\angle B = 80^\circ$, then find $\angle C = ?$
2. In an isosceles ΔXYZ , if $\angle X = \angle Y = 70^\circ$, then find $\angle Z = ?$
3. In ΔXYZ , $\angle X = \angle Y = \angle Z$ find each of them.
4. In ΔPQR , if $\angle Q = \angle R$ and $\angle P = 90^\circ$, then find $\angle Q =$ and $\angle R$.
5. In which of the following cases is a triangle possible with given group of sides?
 - i) 3 cm, 4 cm, 5 cm
 - ii) 6 cm, 7 cm, 13 cm.
 - iii) 3 cm, 4 cm, 1 cm
 - iv) 5 cm, 12 cm, 15 cm.

6. In which of the following cases is the construction of a triangle possible ?

i) 80° , 55° , 45° ,

ii) 75° , 86° , 20° ,

iii) 90° , 40° , 50° ,

iv) 100° , 35° , 55° ,
