**Aarambh classes**

**Class VII cbse**

**Maths test**

**Triangle and its properties**

**Time : 1 hour M.Marks : 20**

1. One of the exterior angles of a triangle is 1200 and the interior opposite angles are in the ratio 1:2 .Find the angles of the triangle . 3
2. In PQR, side QP has been extended and RPS =1300 .If Q = 550,find (i)QPR (ii) R 3
3. ABC is isosceles with AB=AC and A=800.Bisectors of B and at O. Find :
4. ABC (ii) (iii) BOC (iv) Is BO=OC ?

Give reason . 4

1. ABC is isosceles with AB=AC ,find the values of x and y . 3

A

800

B C

X Y

1. Find the perimeter of a rectangle whose length is 8 cm and diagonal is 10 cm . 2
2. The lengths of the diagonals of a rhombus are 6 cm and 8 cm .Calculate the perimeter of the rhombus . 2
3. **Multiple choice questions ;(1 mark each)**
4. Which of these cannot be sides of the triangle ?
5. 1,1,1 (b)2,2,4 (c)5,6,7 (d)5,7,9
6. In a right angle triangle PQR,If PR is the hypotenuse ,then the right angle is ?
7. P (b)Q (c)R (d)none of these
8. In an isosceles triangle the unequal angle is twice each of the equal angles .the measure of unequal angles is :

(i)450 (b)900 (c) 600 (d)1200