INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH:12. Heron's Formula

Name: _____ Date:_____ Class: IX Sec: ___

1. Find the area of a quadrilateral ABCD in which AB = 3cm, BC = 4cm, CD = 6cm, DA = 5cm and diagonal AC = 5

2. Find the area of a triangle, two sides of which are 18cm, and 10cm and the perimeter is 42cm

3. Find the area of an equilateral triangle one of whose sides measure a cm, using heron's formula

4. Find the area of rhombus whose perimeter is 80m and one of whose diagonal is 24m

5. If the sides of a triangle are in the ratio 3 : 4 : 5 and its perimeter is 144cm.Find the area of triangle and Height to the longest side.

6. Write Heron‟s formula to find the area of a triangle.

7. Write the area of the rhombus , if d1 and d2 are the lengths of its diagonals .

8. What is the area of equilateral triangle whose side is a units ?

9. What is the area of an isosceles right angled triangle whose equal side is a units ?

10. What is the side of a rhombus whose diagonal is d1 and d2?

11. What will be the area of a right angled triangle whose base is 12 cm and hypotenuse is 13 cm.