Chapter-Heron's Formula

1. Two sides of a triangle are 11cm and 12cm and its perimeter is 33cm. find the third side?
2. The perimeter of an equilateral triangle is 60cm. find the area?
3. If the area of an equilateral triangle is $16\sqrt{3}cm^2$ then find the perimeter of a triangle?
4. The base and hypotenuse of a right triangle are respectively 8cm and 10cm long. Find its area?
5. The perimeter of a rhombus is 52cm. one of the diagonals is 24cm. find the area of the rhombus.

6. The sides of a triangle are in the ratio 3:4:5. The perimeter is 120cm; find the area of a triangle?
7. The edges of a triangular board are 6cm, 8cm and 10cm. find the cost of painting it at the rate of 9 paise per cm^2
8. An umbrella is made by stitching ten triangular pieces of cloth, each measuring 60cm, 60cm and 20cm. find the area of the cloth required for the umbrella.
9. The sides of a triangular field are 51m, 37m and 20m. Find the number o rose beds that can be prepared in the field if each rose bed occupies a space 6 sq.m.
10. The sides of a triangle are x, x+1, 2x – 1 and its area is x$\sqrt{10}$. What is the value of x?

11. The perimeter of a triangle is 50cm.one side of a triangle is 4cm longer than the smaller side and the third side is 6cm less than twice te smaller sides. Find the area of a triangle.
12. The sides of a triangle are in the ratio of 13:14:15 and its perimeter is 84cm. find the area of the triangle.
13. A rhombus field has green grass for 20 cows to graze. If each side of the rhombus is 52cm and the longer diagonal is 96cm, how much area of the grass field will each cow be getting?
14. Find the area of a quadrilateral field ABCD in which AB=50m, BC=18m, CD=82m, DA=50m and ∠CBD=90°
15. A field is in the shape of a trapezium whose parallel sides are 25m and 10m. the non-parallel sides are 14m and 13m. find the area of the field.