



INDIAN LEARNERS OWN ACADEMY, KUWAIT

Class	: IX	Subject	: Mathematics
Assignment by	: Mrs. Nusrat Unnisa	Topic / Lesson	: Heron's Formula

5th Assignment Questions:-

- 1) An isosceles right triangle has area 8 cm^2 . Find the length of its hypotenuse.
- 2) If the perimeter of an equilateral triangle is 60 m, then find its area.
- 3) Find the area of a triangle whose sides are 56cm, 60cm and 52cm.
- 4) A field in the form of parallelogram has sides 60 m and 40 m and one of its diagonal is 80 m long. Find the area of parallelogram.
- 5) The sides of a triangular plot are 6cm, 8cm and 10cm. Find the cost of fencing it at the rate of 9 paisa per cm^2 .
- 6) An isosceles triangle has perimeter 11cm and each of the equal sides is 5cm. Find the area of the triangle.
- 7) If the side of a rhombus is 10 cm and one diagonal is 16 cm, then find the area of the rhombus.
- 8) Find the cost of leveling the ground in the form of a triangle having the sides 51 m , 37 m and 20 m at the rate of Rs 3 per m^2 .
- 9) The sides of a quadrilateral ABCD are 6 cm, 8 cm, 12 cm and 14 cm (taken in order) respectively, first two sides is a right angle. Find its area.
- 10) The perimeter of a triangle is 50 cm. One side of a triangle is 4 cm longer than the smaller side and the third side is 6 cm less than twice the smaller side. Find the area of the triangle.
- 11) The area of a trapezium is 475 cm^2 and height is 19 cm. Find the lengths of its two parallel sides if one side of 4 cm greater than the other.
- 12) The perimeter of a triangular plot is 420 m and its sides are in the ratio 6:7:8. Find the area of the triangular plot.