**Assignment – 12**

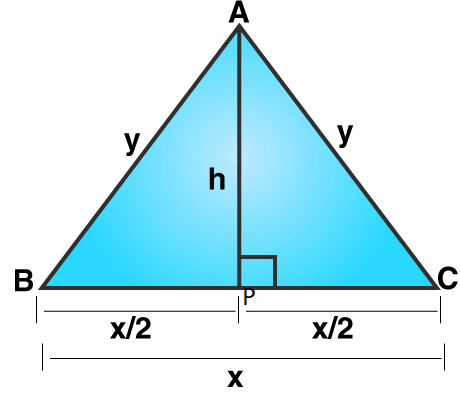
Assigned To = All 9 Class Students

**Chapter = Heron’s Formula**

**MM = 30**

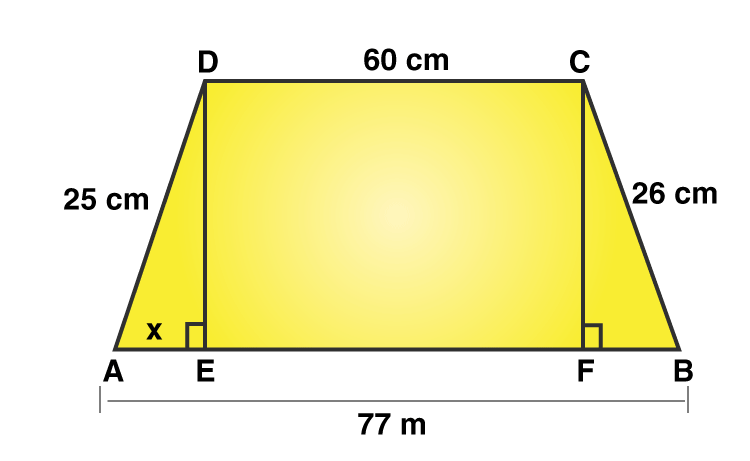
Q1. **Find the area of a triangle whose sides are respectively 150 cm, 120 cm and 200 cm.**

**Q2. Find the area of an isosceles triangle having the base x cm and one side y cm.**

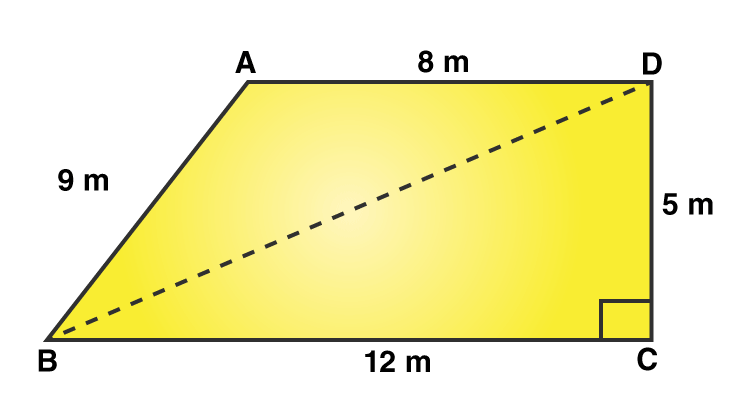
****

**Q3. A rhombus sheet, whose perimeter is 32 m and whose diagonal is 10 m long, is painted on both the sides at the rate of Rs 5 per m2. Find the cost of painting.**

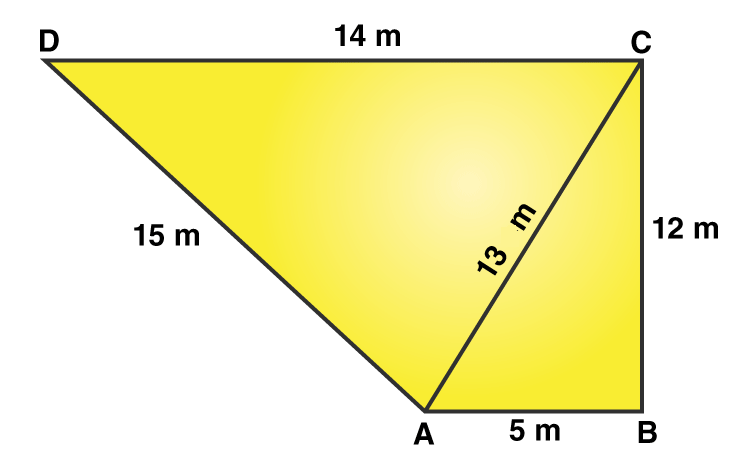
****Q4. Two parallel sides of a trapezium are 60 m and 77 m and the other sides are 25 m and 26 m. Find the area of the trapezium.****



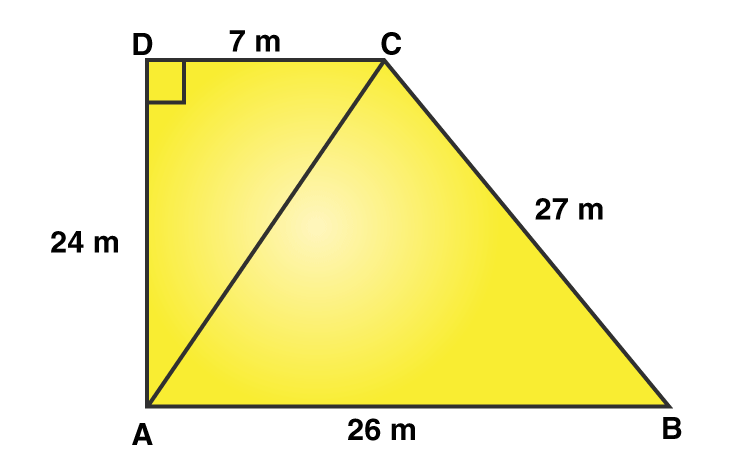
**Q5. A park in the shape of a quadrilateral ABCD, has ∠ C = 900, AB = 9 m, BC = 12 m, CD = 5 m, AD = 8 m. How much area does it occupy?**

****

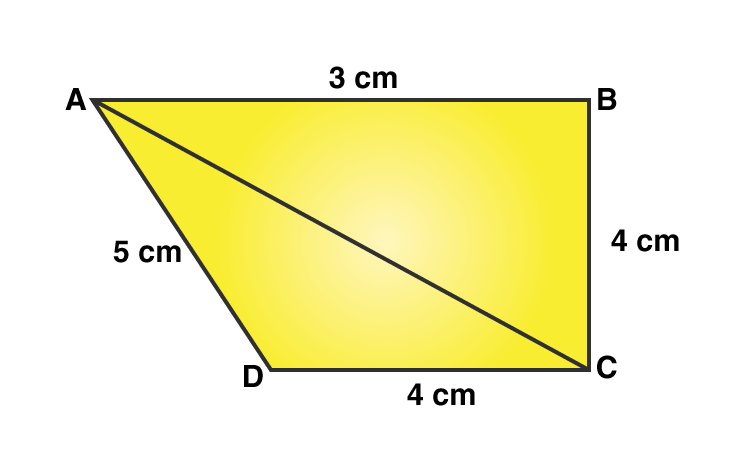
**Q6.  The sides of a quadrilateral, taken in order as 5, 12, 14, 15 meters respectively, and the angle contained by first two sides is a right angle. Find its area.**

****

**Q7.  The sides of a quadrilateral field, taken in order are 26 m, 27 m, 7 m, 24 m respectively. The angle contained by the last two sides is a right angle. Find its area.**

****

**Q8. Find the area of the quadrilateral ABCD in which AB = 3 cm, BC = 4 cm, CD = 4 cm, DA = 5 cm and AC = 5 cm.**

****

**Q9. The perimeter of a triangular field is 540 m and its sides are in the ratio 25:17:12. Find the area of the triangle.**

**Q10. In a triangle ABC, AB = 15cm, BC = 13cm and AC = 14cm. Find the area of triangle ABC and hence its altitude on AC.**