9 Class Math Tuition Assignment

Assignment – 12
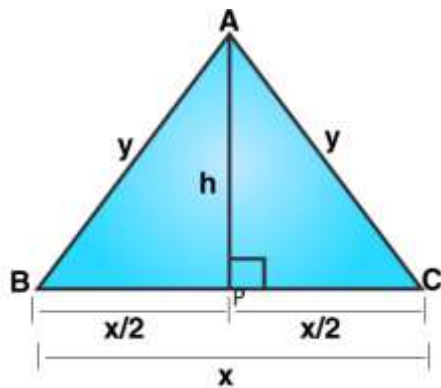
## Chapter = Heron's Formula

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.
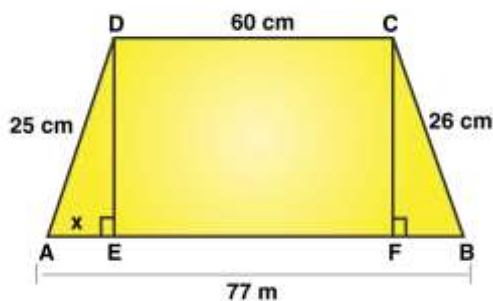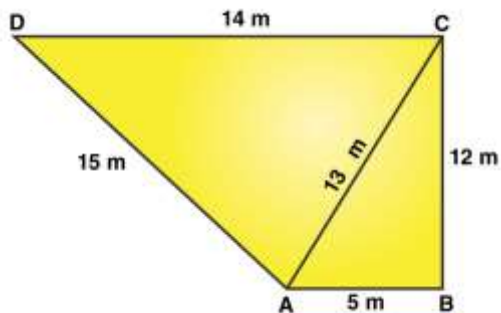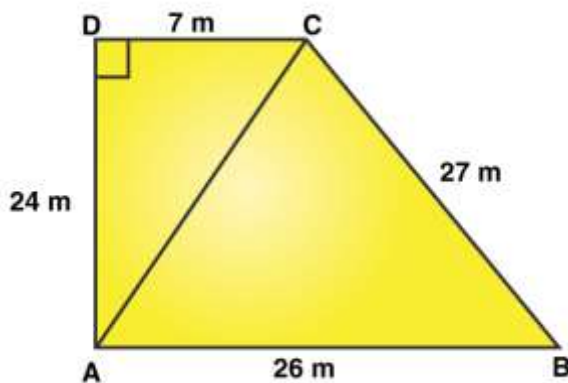
9 Class Math Tuition Assignment

Q5. A park in the shape of a quadrilateral ABCD, has ∠ C = 90°, AB = 9 m, BC = 12 m, CD = 5 m, AD = 8 m. How much area does it occupy?

A ——— 8 m ——— D
9 m
5 m
B ——— 12 m ——— C
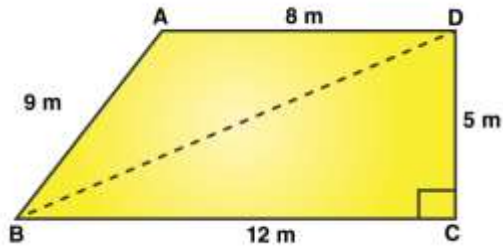
Q6. The sides of a quadrilateral, taken in order as 5, 12, 14, 15 meters respectively, and the angle contained by first two sides is a right angle. Find its area.
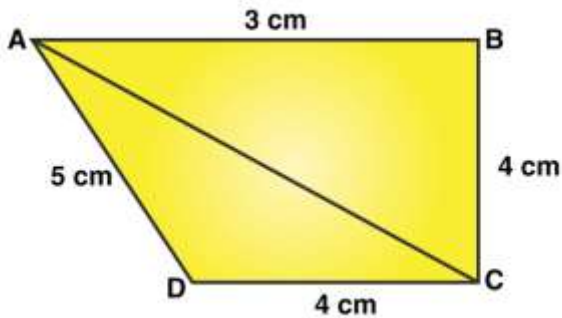
D ——— 14 m ——— C
15 m
13 m
12 m
A — 5 m — B

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.

D — 7 m — C
24 m
27 m
A ——— 26 m ——— B

9 Class Math Tuition Assignment

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.

9 Class Math Tuition Assignment