

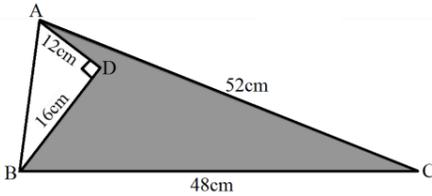
Exam Paper

Q1. The perimeter of a triangular field is 540m and its sides are in the ratio 25 : 17 : 12. Find the area of the field. Also, find the cost of ploughing the field at ₹ 5 per m^2 . **5 Marks**

Q2. A traffic signal board, indicating 'SCHOOL AHEAD', is an equilateral triangle with side 'a'. Find the area of the signal board, using Heron's formula. If its perimeter is 180cm, what will be the area of the signal board? **5 Marks**

Q3. The perimeter of an isoscale triangle is 32cm. The ratio of the equal side to its base is 3 : 2. Find the area of the triangle. **5 Marks**
Hint: Ratio of sides = 3 : 3 : 2.

Q4. Find the area of the shaded region in the figure given below. **5 Marks**



Q5. Calculate the area of the triangle whose sides are 18cm, 34cm, 24cm and 30cm in length. Also, find the length of the altitude corresponding to the smallest side. **5 Marks**

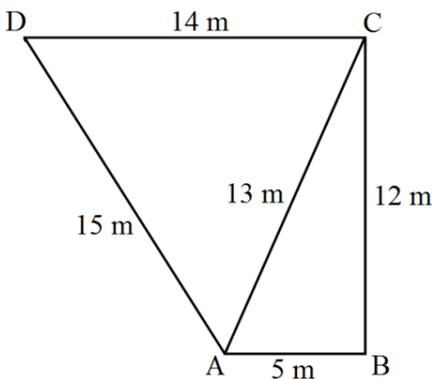
Q6. The perimeter of a triangle is 50cm. One side of the triangle is 4cm longer than the smallest side and the third side is 6cm less than twice the smallest side. Find the area of the triangle. **5 Marks**

Q7. Find the area of a triangle whose sides are respectively 150cm, 120cm and 200cm. **5 Marks**

Q8. The perimeter of a triangular field is 144m and the ratio of the sides is 3 : 4 : 5. Find the area of the field. **5 Marks**

Q9. The sides of a triangle are in the ratio 5 : 12 : 13 and its perimeter is 150m. Find the area of the triangle. **5 Marks**

Q10. The sides of a quadrilateral, taken in order as 5m, 12m, 14m, 15m respectively. The angle contained by first two sides is a right angle. Find its area. **5 Marks**



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