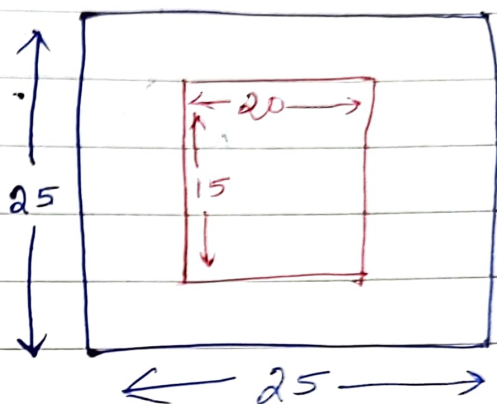
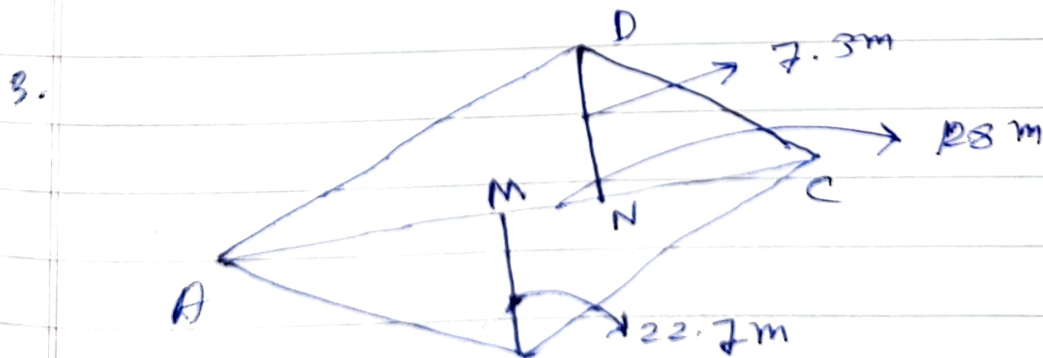


1. Mrs Kapoor has a square plot of a land with measurement as shown in figure. She wants to construct a house in the middle of the plot. A garden is developed around the house. Find the total cost of developing a garden around the house at the rate of ₹85 per m^2 .



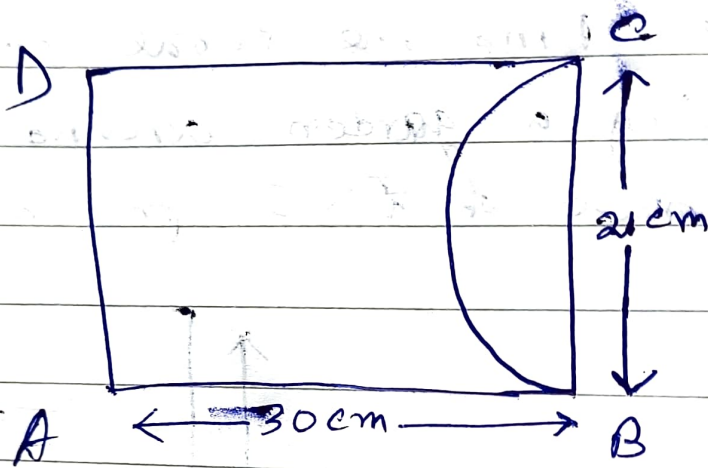
2. A tile has a shape of parallelogram whose base is 24 cm and the corresponding height is 10 cm. How much tiles required to cover the floor of area 1080 m^2 ?



In a four sided field the length of diagonal is 128 m. The length of the perpendicular from opposite vertices on diagonal are 22.7 m and 17.3 m. Find area.

4.

A sheet of paper is in the form of a rectangle $ABCD$ in which ~~$AB = 30$ cm~~.
 $AB = 30$ cm, $BC = 21$ cm. A semicircular portion with BC as diameter is cut off.
Find the area of the remaining part.



1. Find the perimeter and area of a rectangle whose length and breadth are 25 cm and 9 cm, respectively.
2. The length of a rectangular park is twice its breadth, and its perimeter measure 0.84 km. Find the area of the park in square metres.
3. The area of a rectangular plot is 462 m^2 and its length is 28 m. Find the perimeter of the plot.
4. Find the length of a diagonal of rectangle whose adjacent sides are 12 m and 5 m long.
5. Find the length of a diagonal of square of side 6 cm.
6. The diagonal of a square A is $(x + y)$. Find the diagonal of a square B whose area is twice the area of A.
7. The perimeter of a square is 48 m. The area of a rectangle is 4 sq. m less than the area of the given square. If the length of the rectangle is 20 m, find its breadth.
8. In exchange for a square plot one of whose sides is 84 m, a man wants to buy a rectangular plot 147 m long and of the same area as that of the square plot. Find the width of the rectangular plot.
9. The area of the square park is 16900 sq. m. Find the cost of fencing it at the rate of ₹ 31 per metre.
10. The cost of harvesting a square field at the rate of ₹ 190 per hectare is ₹ 2327.50. Find the cost of putting a fence around it at the rate of ₹ 17.50 per metre.
11. Find the area of a parallelogram whose base is 30 cm and the corresponding altitude is 5 cm.
12. Find the area of a rhombus whose diagonals are 12 cm and 10 cm.
13. The diagonals of a rhombus are 16 cm and 12 cm long. Find its perimeter.
14. The area of rhombus is 72 cm^2 . If one of the diagonals is 18 cm long, find the length of the other diagonal.
15. The adjacent sides of a parallelogram are 15 m and 9 m. If the distance between the larger sides is 6 m, find the distance between the shorter sides.
16. The diagonals of a rhombus are 5.2 cm and 8.5 cm, respectively. A parallelogram equal in area to this rhombus has one of its parallel sides 5 cm. Find the corresponding altitude.
17. Find the area of a rhombus one of whose side measures 20 cm and one of whose diagonals is 24 cm.
18. A parallelogram and a square have the same area. If the sides of the square measures 40 m, and altitude of the parallelogram measures 25 m, find the length of the corresponding base of the parallelogram.
19. ABCD is a quadrilateral in which diagonal BD is 64 cm. AL and CM are the perpendiculars from A and C to the diagonal BD, such that $AL = 13.2 \text{ cm}$ and $CM = 16.8 \text{ cm}$. Calculate the area of the quadrilateral.