Herons Formula

<1M>

1.In heron's formula area of a triangle = $\sqrt{s(s-a)(s-b)(s-c)}$ what is s stand for.

2.If $d_1 \text{and } d_2$ are the diagonal of a rhombus find its area.

3.What is the area of equilateral triangle whose side is a cm.

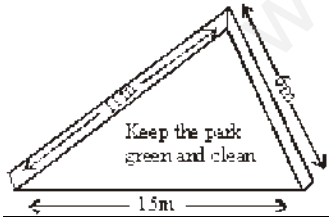
4.What is the area of an isosceles right angle triangle whose equal side is a cm.

5.What is the side of a rhombus whose diagonal is d_1, d_2 cm.

6.The perimeter of a right triangle is 550 m. If its sides are in the ratio 12 : 11 : 7. Find the area of the triangle.

(A) 2754 m^2 (B) 350 m^2 (C) 2645.57 m^2 (D) 12935.57 m^2

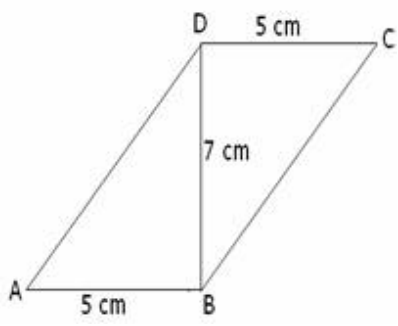
7.There is a slide in a park. One of its side walls has been painted in some colours with a message "KEEP THE PARK GREEN AND CLEAN". If the sides of the wall are 15 m, 11 m and 6 m. Find the area painted in colour.



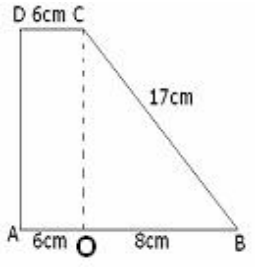
(A) $25\sqrt{2}m^2$ (B) $5\sqrt{2}m^2$ (C) $10\sqrt{2}m^2$ (D) $20\sqrt{2}m^2$

<3M>

8.BD is the diagonal of quadrilateral ABCD. Find the area of ABCD.



9.Compute the area of trapezium



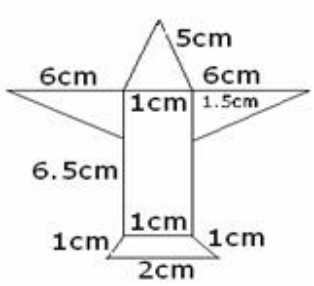
10.Find area and perimeter of triangle whose sides are 8cm ,19cm and 15 cm.

11.Find the area of triangle whose sides are 5cm,12cm, 13 cm . also find the Shortest altitude.

<5M>

12.Find the area of a quadrilateral ABCD which AD = 24cm,angle BAD = 90 degree and BCD forms an equilateral triangle whose each side is equal to 26cm.

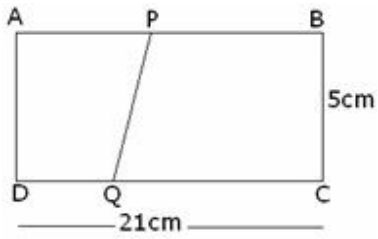
13.Radha made a picture of an aeroplane with paper as shown in figure calculate total area of paper used.



14.A kite in the shape of a square with diagonal 32 cm and an isosceles triangle of base 8cm and equal sides are 6cm how much paper is required to build the kite.

15.The perimeter of a right triangle is 60 cm and its hypotenuse is 26 cm. Find other two sides and area of triangle

16.A trapezium PBCQ with its parallel sides QC and PB in the ratio 7:5 is cut from a rectangle ABCD, if area of trapezium is 4/7 part of the area of rectangle, find the length of QC and PB.



17.A field is in the shape of trapezium whose parallel sides are 25m and 10m. The non-parallel sides are 14m and 13m. find the area of the field.

18.The sides of a quadrilateral, taken in order are 5,12,14 and 15 metres respectively, and angle contained between first two sides is a right angle find its area.

19.A rhombus sheet, whose perimeter is 32 cm and whose one diagonal is 10 metre long, is painted on both sides at the rate of 5 per sq m. find the cost of painting.

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