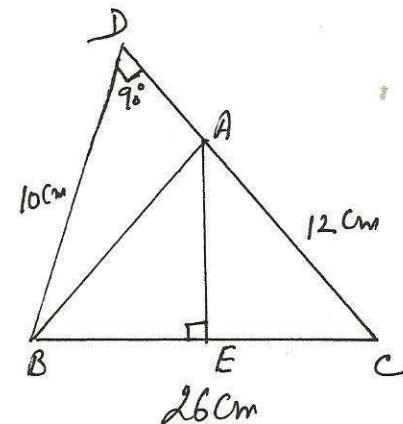
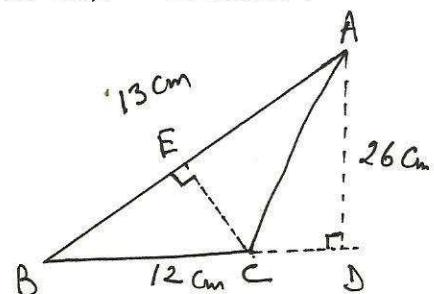


VII- Mathematics Assignment No- 05- Perimeter And Area.

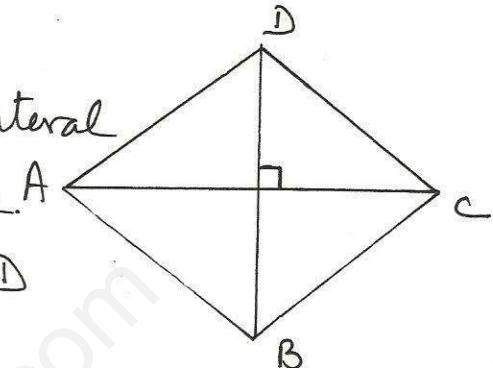
- Q1. ABC is an isosceles triangle whose base $BC = 16\text{cm}$ and each equal side is 10cm . Find its area, if $AD \perp BC$. Find also the length of the perpendicular drawn from B on AC.
- Q2. The area of a triangle is equal to that of a square whose each side measures 70 metres. Find the side of the triangle whose corresponding altitude is 98 metres.
- Q3. Find the area of a quadrilateral ABCD whose diagonal $AC = 22\text{cm}$ and perpendiculars from B and D on AC are 3 cm each.
- Q4. ABC is an obtuse angle triangle at C. $AD \perp BC$ produced. Find $CE \perp AB$.
- Q5 In the adjoining figure
 $BD = 10\text{cm}$, $AC = 12\text{cm}$
 $BC = 26\text{cm}$
- Find area of $\triangle ABC$
 - Calculate the height AE



Q6. A rectangular field of length 85 m and width 25 m. How many triangular beds can be fitted whose sides containing the right angle measures 17 m by 5 m, can be laid in this field.?

Q7. Find the area of quadrilateral ABCD as shown in the figure.

The diagonals AC and BD measures 50 m and 30 m respectively and are perpendicular to each other.



Q8. A wire is in the shape of a circle of radius 56 cm. If it is bent in the form of a square, find its side.

Q9. The minute hand of a clock is 10 cm long. How far does the tip of the minute hand move in 1 hour?

Q10. The radius of a wheel is 1.5 m. How many revolutions will it make in travelling 44 km?

ANSWERS:-

(Q1) 9.6 cm	(Q5) (i) 60 cm^2 (ii) $4\frac{8}{13} \text{ cm}$	(Q8) 88 cm
(Q2) 100 m		(Q9) 62.85 cm
(Q3) 66 cm^2	(Q6) 50	(Q10) 4667 revolutions (approx.)
(Q4) 24 cm	(Q7) 750 m^2	