SATISH CHANDRA MEMORIAL SCHOOL

CLASS - IX CHAPTER - HERON'S FORMULA

WORKSHEET - 2

*Note for students - Students must complete it in their class work copy

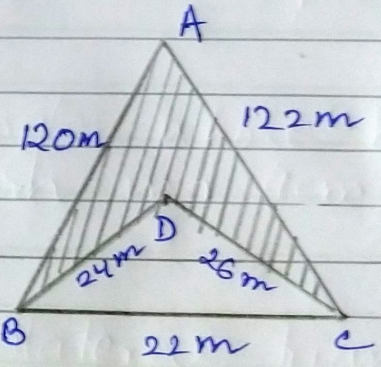
Q1. If the perimeter of an equilateral triangle is 60 m, find its area.

Q2. If the perimeter of an isosceles triangle is 11 cm and its ~~[illegible]~~ unequal side is 5 cm, then find its area.

Q3. Find the area of a triangle whose sides are 12 cm, 16 cm and 20 cm, respectively.

Q4. The length of the sides of a triangle are in the ratio 3:4:5 and its perimeter is 144 cm. Find the area of the triangle.

Q5. Calculate the area of the shaded region in the adjoining figure, if AB = 120 m, AC = 122 m, BD = 24 m, DC = 26 m, and BC = 22 m.



Q6. One side of an equilateral triangle is 8 cm. Find its area using Herons formula. Also, find its altitude.

Q7. Find the semi-perimeter of an equilateral triangle of side 2a.

Q8. For an isosceles triangle having base 'b' and each equal side 'a', find its perimeter.