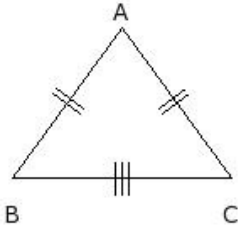


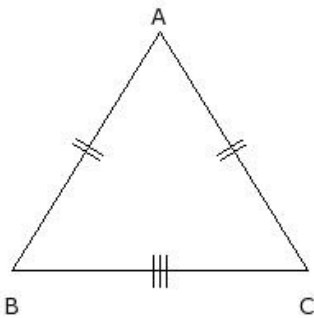


1. In an isosceles triangle  $\triangle ABC$ , if  $BC = 13$  cm,  $AB = CA = 11$  cm, then area of the triangle =



- (i) 54.68 sq.cm (ii) 52.68 sq.cm (iii) 60.68 sq.cm (iv) 62.68 sq.cm (v) 57.68 sq.cm

2. In an isosceles triangle  $\triangle ABC$ , if  $BC = 18$  cm,  $CA = AB$  and perimeter is 52 cm, then area of the triangle =



- (i) 112.80 sq.cm (ii) 111.80 sq.cm (iii) 129.80 sq.cm (iv) 146.80 sq.cm (v) 147.80 sq.cm

3. A triangular park has sides 140 m, 100 m and 100 m. A gardener has to put a fence all around it and also plant grass inside. How much area does he need to plant ?

- (i) 5129.00 sq.m (ii) 5179.00 sq.m (iii) 4859.00 sq.m (iv) 4939.00 sq.m (v) 4999.00 sq.m

4. A triangular park has sides 100 m, 130 m and 130 m. A gardener has to put a fence all around it and also plant grass inside. Find the cost of fencing it with barbed wire at the rate of ₹20 per metre leaving a space of 4 m wide for the gate on one side.

- (i) ₹7170.00 (ii) ₹7120.00 (iii) ₹7400.00 (iv) ₹6980.00 (v) ₹7060.00

5. The sides of a triangular plot are in the ratio 11:5:9 and perimeter is 250 m. Find its area

- (i) 2078.53 sq.m (ii) 2218.53 sq.m (iii) 2198.53 sq.m (iv) 2458.53 sq.m (v) 2298.53 sq.m

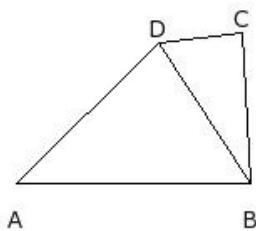
6. A traffic sign board is in the shape of an equilateral triangle. If its perimeter is 60 cm, what is its area ?

- (i) 173.21 sq.cm (ii) 160.21 sq.cm (iii) 169.21 sq.cm (iv) 187.21 sq.cm (v) 196.21 sq.cm

7. Priyanka has a triangular field with sides 200 m, 170 m and 110 m. She wanted to grow tomatoes and carrots. She divided the field into two parts by joining the mid-point of the longest side to the opposite vertex, and grew tomatoes in one part and carrots in the other part. How much area has been used for tomatoes.

- (i) 4633.33 sq.m (ii) 4543.33 sq.m (iii) 4733.33 sq.m (iv) 4673.33 sq.m (v) 4893.33 sq.m

8. Some volunteers on a cleanliness drive decided to clean an open ground in the shape of a quadrilateral ABCD, where  $AB = 14.00$  m,  $BC = 9.00$  m,  $CD = 5.00$  m, and  $DA = 12.00$  m. They split into two groups m and n and started cleaning on either sides of the diagonal BD. Group m marked their perimeter which is of length 36 m. Which group cleaned more area? Find the total area cleaned by both groups.



- (i) group m, 84.25 sq.m (ii) group m, 81.25 sq.m (iii) group m, 78.25 sq.m (iv) group n, 76.25 sq.m  
(v) group m, 86.25 sq.m
9. A farmer has a piece of land in the shape of a rhombus. He decided to divide the land into two equal parts such that both his son and daughter could work on the land to produce different crops. If the perimeter of the land is 360.00 m and one of the diagonals is 140 m, how much area will each get for their crops?
- (i) 4039.80 sq.m (ii) 3689.80 sq.m (iii) 4119.80 sq.m (iv) 3959.80 sq.m (v) 3909.80 sq.m
10. A rhombus shaped field has green grass for 18 cows to graze. If the perimeter of the field is 560.00 m and one of the diagonals is 150 m, how much area of the grass field will each cow be grazing?
- (i) 1010.17 sq.m (ii) 972.17 sq.m (iii) 985.17 sq.m (iv) 957.17 sq.m (v) 1001.17 sq.m
11. A triangle and a parallelogram, both have the same base and the same area. If the sides of the triangle are 21 cm, 10 cm and 17 cm, and the parallelogram stands on the base 10 cm, find the height of the parallelogram
- (i) 7.40 cm (ii) 6.40 cm (iii) 10.40 cm (iv) 9.40 cm (v) 8.40 cm
12. A field is in the shape of a trapezium whose parallel sides are 39 m and 16 m. The non parallel sides are 24 m and 10 m. Find the area of the field.
- (i) 258.17 sq.m (ii) 286.17 sq.m (iii) 273.17 sq.m (iv) 280.17 sq.m (v) 245.17 sq.m
13. A floral design on a floor is made up of 23 triangular shaped tiles. The sides of each tile are 15 cm, 15 cm and 17 cm. If the cost of polishing the tiles is ₹1.00 per sq cm, find the total cost to polishing all the tiles.
- (i) ₹2286.22 (ii) ₹2336.22 (iii) ₹2416.22 (iv) ₹2566.22 (v) ₹2536.22

## Assignment Key

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1) (v)	2) (iii)	3) (v)	4) (ii)	5) (ii)	6) (i)
7) (iv)	8) (ii)	9) (iv)	10) (iii)	11) (v)	12) (iii)
13) (iii)					