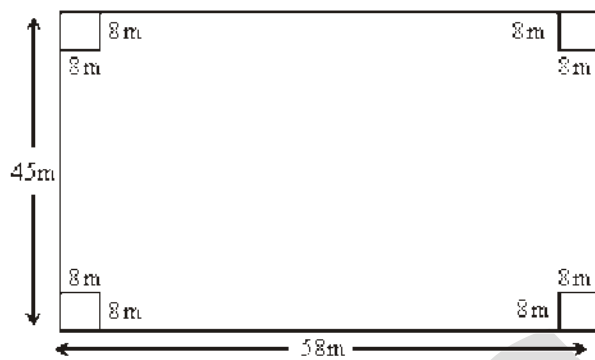


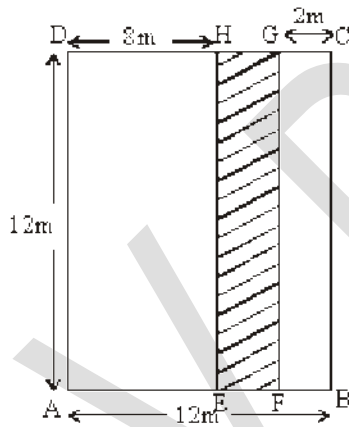
<1M>

- 1.All congruent triangles are equal in area but the triangles equal in area need not be congruent. (True/False)
- 2.Any side of the parallelogram can be chosen as base of the parallelogram. (True/False)
- 3.The distance around a circular region is known as area of that circle. (True/False)
- 4.When a path runs outside, twice the width of the path should be added to length and breadth of the inner rectangle. (True/False)
- 5.Write the formula to find area of circle.
- 6.A field has four square corners as shown in the figure. Find the perimeter excluding the square corners.



- (A) 132 m (B) 142 m (C) 206 m (D) 179 m

- 7.Find the area of the shaded region.



- (A) 46 m^2 (B) 24 m^2 (C) 12 m^2 (D) 84 m^2

- 8.If the area of a rectangle is 7820 m^2 and its width is 85 m, find its length ?

- (A) 92 m (B) 84 m (C) 105 m (D) 97 m

- 9.When a path runs along inside of a rectangle, the width of the path should be equal to difference of outer length and inner length of rectangle or difference of outer breadth and inner breadth of rectangle. (True/False)

<2M>

- 10.Shaelly wants to frame a rectangular painting. If the perimeter is 56 cm and its width is 13 cm determine the length of the painting ?

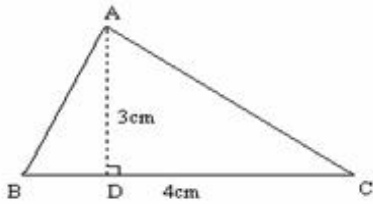
- (A) 12 cm (B) 15 cm (C) 30 cm (D) 42 cm

- 11.Find the breadth of a rectangular plot of land, if its area is 440 m^2 and the length is 22m. Also find its perimeter.

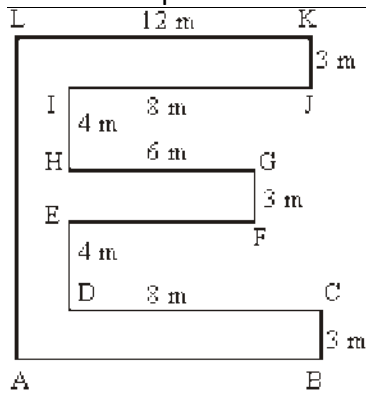
12. Find the area of a circle of radius 15cm (use $\pi = 3.14$).

13. What is the circumference of a circle of diameter 10cm (Take $\pi = 3.14$).

14. Find the area of following triangle:

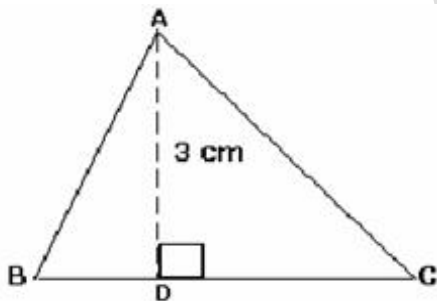


15. Find the perimeter of the given figure.



- (A) 70 m (B) 102 m (C) 86 m (D) 96 m

16. In given figure, find BC, if the area of the triangle ABC is 36 cm^2 and the height AD is 3 cm.



- (A) 12 cm (B) 24 cm (C) 24 mm (D) 24 m

17. The perimeter of a rectangle is 130 cm. If the breadth of the rectangle is 35 cm, then length of its rectangle?

- (A) 1050 cm (B) 1050 sq m (C) 1050 sq cm (D) 1000 sq cm

18. The area of a square park whose perimeter is 320 m?

- (A) 6400 m (B) 6400 sq cm (C) 6400 sq m (D) 6400 cm

19. A rectangle has a length of 6 cm and diagonal 10 cm, find the width of the rectangle ?

- (A) 10 cm (B) 9 cm (C) 7 cm (D) 8 cm

20. The length and breadth of a rectangular field is 10 cm and 6 cm respectively. Find the perimeter of the field.

- (A) 15 cm (B) 46 cm (C) 32 cm (D) 84 cm

21. A garden is in the shape of a rectangle. If the perimeter of the garden is 196 m and its length is 56 m. Find the width of the garden?

- (A) 15 cm (B) 42 m (C) 65 m (D) 90 m

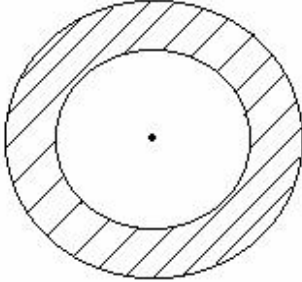
22. A garden is 90m long and 75m broad. A path 5m wide is to be built out around it. Find the area of the path.

23. The adjoining figure shows two circles with the same centre. The radius of the larger circle is 10cm and the radius of the smaller circle is 4cm.

Find: (a) the area of the larger circle

(b) the area of the smaller circle

(c) the shaded area between the two circles. (Take $\pi = 3.14$)



24. A rectangular field has dimensions 84 m by 37 m. Find the cost of fencing its boundary at the cost of Rs 2.50/m.

(A) Rs 605 (B) Rs 390 (C) Rs 460 (D) Rs 295

25. A door frame of dimensions 4m \times 5m is fixed on the wall of dimension 11m \times 11m. Find the total labour charges for painting the wall if the labour charges for painting 1m² of the wall is Rs 2.50.

26. A door of length 2 m and breadth 1 m is fitted in a wall. The length of the wall is 4.5 m and the breadth is 3.6 m. The cost of white washing of the wall, if the rate of white washing is Rs 20 per m²?

(A) Rs 284 (B) Rs 384 (C) Rs 248 (D) Rs 348

27. A wire is in the shape of a rectangle. Its length is 40cm and breadth is 22cm. If the same wire is rebent in the shape of a square, what will be the measure of each side? Also find which shape encloses more area?

28. A rectangular field has a perimeter of 92 m and its length is 25 m. Find the area of the field ?

(A) 640m² (B) 21m² (C) 525 m² (D) 65 m²

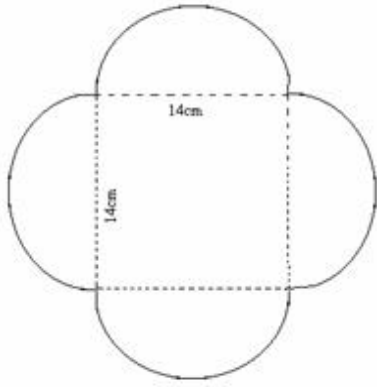
29. A rectangle has a length of 8 cm and diagonal of 10 cm. What is the perimeter ?

(A) 78 cm (B) 28 cm (C) 49 cm (D) 25 cm

30. A school campus is rectangular in shape. Its length and breadth are 50m and 30m, respectively. There is a 2 m wide path inside the campus all around it. Find the area of the path in square metres?

(A) 96 m²
(B) 304 m²
(C) 172 m²
(D) 490 m²

31. Find the perimeter of the given shape. (Take $\pi = \frac{22}{7}$)



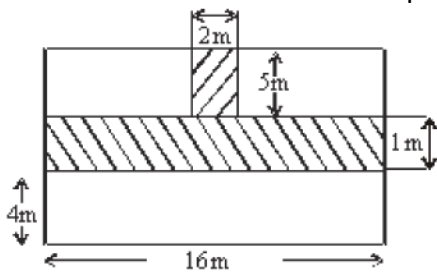
32. A rectangle has a length that is 2 less than 3 times the width. If the area of the rectangle is 16 cm^2 , find the dimensions.

- (A) $6 \text{ cm}, 2\frac{2}{3} \text{ cm}$ (B) $7, 5 \text{ cm}$ (C) $12 \text{ cm}, 9 \text{ cm}$ (D) $4 \text{ cm}, \frac{2}{5} \text{ cm}$

33. A sheet of paper measures 30 cm by 20 cm . A strip of 4 cm wide is cut from it all around. Find the area of the remaining sheet?

- (A) 125 m^2 (B) 178 m^2 (C) 492 m^2 (D) 264 m^2

34. Find the area of the shaded portion.



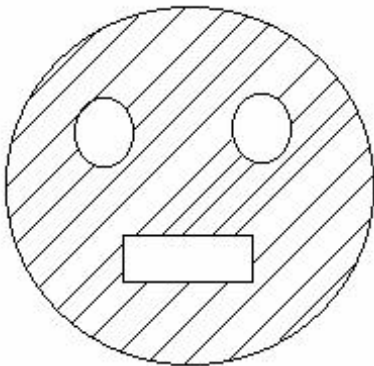
- (A) 42 m^2 (B) 26 m^2 (C) 72 m^2 (D) 10 m^2

35. A rectangle's length is $(2x + 1) \text{ cm}$ and its width is $(2x - 1) \text{ cm}$. If its area is 15 cm^2 , find the value of x ?

- (A) 2 cm (B) 3 cm (C) 1 cm (D) 4 cm

36. From a circular card sheet of radius 14 cm , two circles of radius 3.5 cm and a rectangle of length 3 cm and breadth 1 cm are removed (as shown in the adjoining figure). Find the

area of the remaining sheet. (Take $\pi = \frac{22}{7}$)



37. The perimeter of a rectangle is 36 cm and the length is twice the width. What are the dimensions of this rectangle?

- (A) 17 cm (B) 6 cm (C) 4 cm (D) 15 cm

38. A path 2 m wide is running around a square field where side is 45 m . Determine the path.

- (A) 2401 m^2 (B) 2025 m^2 (C) 1075 m^2 (D) 376 m^2

<5M>

39.A rectangular garden is 65cm long and 50cm wide. Two cross paths each 2m wide are to be constructed parallel to the sides. If these paths pass through the centre of the garden, find the cost of constructing the paths at the rate Rs. 69 per m².

40.The area of square and a reactangle are equal. If the side of the square is 40 cm and the breadth of the reactangle is 25 cm , then perimeter of the reactangle is?
(A) 176 cm (B) 156 cm (C) 176 m (D) 178 cm

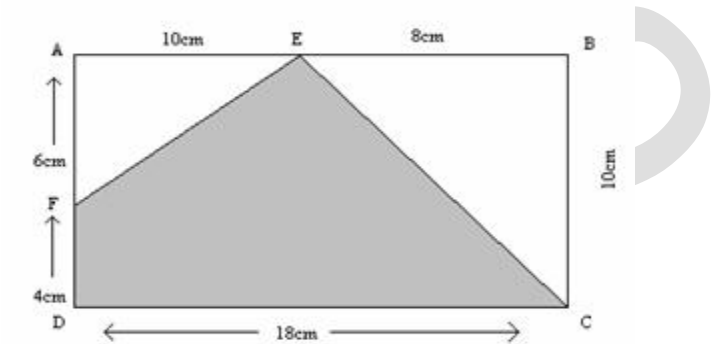
41.A saree is 5 m long and 1.25 m wide. A border of 20 cm wide is printed along its four sides. Find the cost of printing the border at Rs 2.50 per m² ?
(A) Rs 11.72 (B) Rs 6.20 (C) Rs 9.50 (D) Rs 6.65

42.A garden is 56m by 35m. A strip of 2m width is dug all around it on the outer side. Find the cost of digging at the rate of Rs 4.20 per sq m.
(A) Rs 1796.50 (B) Rs 1245 (C) Rs 1027.50 (D) Rs 1596

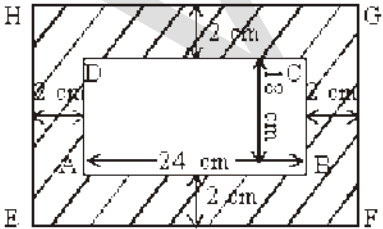
43.If the area of the rectangle is 105 cm². Its length is (4x - 5) cm and breadth is (2x - 5) cm , find the perimeter ?
(A) 99 cm (B) 66 cm (C) 55 cm (D) 44 cm

44.Two cross road each 3m wide, cut at right angles through the centre of a rectangular park 72m by 56 m, such that each is parallel to one of the sides of the rectangle. Find the area of the remaining portion of the park?
(A) 4750 m² (B) 9280 m² (C) 3657 m² (D) 1292 m²

45.In the following figure , find the area of shaded portion:



46.A photo frame of 24 cm long and 18 cm wide is edged with a piece of wood of 2 cm wide. Find the cost of edging at the rate of Rs 2.25



- (A) Rs 785 (B) Rs 920 (C) Rs 350 (D) Rs 414