

Chapter – 10

Mensuration

Worksheet – 3

1. A rectangular card has length of 6 m and breadth 5 m, what is its area?
 - a. 28 m^2
 - b. 30 m^2
 - c. 32 m^2
 - d. 36 m^2
2. A wall has base of 10 m and height 8 m, what is the area of the wall?
 - a. 28 m^2
 - b. 80 m^2
 - c. 40 m^2
 - d. 60 m^2
3. How much paper (in m^2) is required to cover a wall with a base 10 m and height 12 m?
 - a. 120 m^2
 - b. 180 m^2
 - c. 140 m^2
 - d. 160 m^2
4. A rectangular cloth one side is 3 m 50 cm long and other side is 2 m 25 cm long. What is the area of one side of the cloth?
 - a. 7.875 m^2
 - b. 8.875 m^2
 - c. 9.875 m^2
 - d. 10.875 m^2
5. A rectangular cloth one side is 4 m 15 cm long and other side is 3 m 75 cm long. What is the area of one side of the cloth?
 - e. 31.125 m^2
 - f. 15.5625 m^2
 - g. 18.714 m^2
 - h. 20.470 m^2
6. Find out the length of the wooden strip required to frame a photograph of length and breadth 30 cm and 20 cm respectively?
 - a. 1 m 12 cm

- b. 1 m 6 cm
 - c. 1 m 8 cm
 - d. 100 cm
7. A rectangular piece of land needs to be marked with a line of white paint. If the length and breadth of land are 20 m and 8 m, then what should be the length of the paint line?
- a. 50 m
 - b. 56 m
 - c. 52 m
 - d. 55 m
8. A rectangular piece of land needs to be fenced with 3 rows of wire. If length and breadth of land are 15 m 10 cm and 14 m 7 cm, then how much total wire would be required?
- a. 178.05 m^2
 - b. 90.4 m^2
 - c. 175.02 m^2
 - d. 96.4 m^2
9. Find the sum of area of square side 12 m and a rectangle of side 16 m and 14 m respectively?
- a. 368 m^2
 - b. 370 m^2
 - c. 380 m^2
 - d. 382 m^2
10. A rectangular golden metal plate of sides 80 cm and 20 cm respectively, is melted to make a square plate. What will be the side of the square plate?
- a. 20 cm
 - b. 40 cm
 - c. 60 cm
 - d. 80 cm
11. Find the length of perpendicular of an equilateral triangle whose area is 48 m^2 and one side is 12 m long?
12. Find the sum of perimeter of a square and regular hexagon, in which length of one side of square is 22 m and of hexagon is 18 m?

13. The perimeter of a regular pentagon is 1225 m. How long is its each side in kilometers (km)?

14. Rakesh has 1800 m of readymade boundary wall. What will be the side of one side of the ground if shape of the ground he covers it with is a:

a. Square

b. An equilateral triangle

c. A regular pentagon

15. Two sides of a triangle are 21 cm and 27 cm, the perimeter of the triangle is 70 cm. What is the length of the third side of the triangle?

16. A rectangular path of length 5 m and width 3 m needs to be paved around a rectangular ground of sides 16 m and 14 m long respectively. What is the total area of the ground along with the rectangular path?

17. Cost of planting saplings is ₹5 per metre square. If the length and breadth of a field are 26 m and 20 m, then how much money is needed to plant saplings on the entire field?

18. Find the cost of grazing a grassland at the cost of ₹18 per metre square if length and width of the wall are 50 m and 45 m respectively?

19. A boundary wall needs to be constructed around a square ground which has a side of 50 m. If the width of the wall is 70 cm, find the cost of constructing the wall at ₹12 per metre square?

20. Ashish buys 12 square paving slabs, each with a side of 80 cm. If he lays them in the form of a square, then what will be the perimeter of paved space?