Subject: - Mathematics
PRACTICE PAPER
CBSE-7th
Topic: - PERIMETER & AREA

1. Find the area of a rectangular field in ares whose sides are 75m 5 dm and 125 m. [Hint $100m^2$ = 1 are]

Ans. 90.6 ares

2. A door of dimensions $3m \times 2m$ is on the wall of dimension $10m \times 10m$. Find the cost of painting the wall if rate of painting is ₹2.50 per sq. m. **Ans. ₹235**

3. A marble tile measures $10cm \times 12cm$. How many tiles will be required to cover a wall of size $3m \times 4m$? Also, find the total cost of tiles @ ₹2/tile? **Ans. ₹2000**

4. A rectangular field is measured 290 m by 210 m. How long will it take for a girl to go two times round the field, if she walks @ 1.5m/sec? **Ans. $22\frac{2}{9}$ min., 2 times**

5. The length and breadth of a playground are 62 m 60 cm and 25 m 40 cm respectively. Find the cost of turfing it at ₹2.50/m^2. How long will a man take to go three times round the field, if he walks @ 2m/second. **Ans. 4 min 4 sec.**

6. The carpet for a room 6.6 m by 5.6 m costs ₹3960 and it was made from a roll 70 cm wide. Find the cost of the carpet per metre. **Ans. ₹75**

7. A wall 36 m long and 24 m broad allowing 80 m^2 for doors and windows, the cost of papering the walls at ₹8.40/m^2 in ₹9408. Find the height of the wall. **Ans. 10 m**

8. The base of the triangular field is three times its altitude. If the cost of cultivating the filed at ₹24.60 per hectare is ₹332.10, find its base and height? **Ans. h = 300 m, b = 900 m**

9. Find the area of the figure formed by a square of side 8 cm and an isosceles triangle with base as one side of the square and perimeter as 18 cm. **Ans. 76 cm²**

10. The diameter of the wheel of the car is 98 cm. How many revolutions will it make travel 6160 metres? **Ans. 2000**

11. The hour and minute hands of a clock are 4 cm and 6 cm long respectively. Find the sum of the distances travelled by their tips in 2 days? **Ans. 1910.85 cm.**

12. A bicycle wheel makes 5000 revolutions in moving 11 km. Find the diameter of the wheel? **Ans. 70 cm**

13. A well of diameter 150 cm has a stone parapet around it. If the length of the outer edge of the parapet is 660 cm, then find the width of the parapet? **Ans. 30 cm**

14. A steel wire when bent in the form of a square encloses an area of 121 cm^2. If the same wire is bent in the form of a circle, find the area of the circle. **Ans. 154 cm^2**

15. The area of a circle is 100 times the area of another circle. What is the ratio of their circumferences?

Ans. 10 : 1