

INTERNATIONAL INDIAN SCHOOL-BURAI DAH
MATHEMATICS- VI/WORKSHEET-11[2023-2024]
MENSURATION (L-10)

1. Find the perimeter of the following shapes.
 - a. A triangle of side 3cm, 4cm, 5 cm. (Ans: 12 cm)
 - b. A regular pentagon of side 16 cm. (Ans: 80 cm)
 - c. An isosceles triangle with two equal sides 6cm and the third side 9cm. (Ans: 21 cm)
2. The length and breadth of a room are 20m and 4m respectively. Find the number of square tiles of side 50cm that are required to pave on the floor of the room. (Ans: 320 tiles)
3. Surabhi wants to seal the lid of a rectangular box with tape. Find the length of the tape required if the length and breadth of the lid are 45 cm and 15 cm respectively. (ans: 100 cm)
4. Rahul jogs 5 times around a square park of length 60 m. Find the total distance covered by him.(ans:1200 m)
5. The perimeter of a square plot is 160 m. Find the length of one side of this plot. (ans : 40 m)
6. Find the length of a rectangle given that its perimeter is 880 m and breadth is 88 m. (Ans: 352 m)
7. Find the perimeter of a square whose side is 15 cm (Ans:60 cm)
8. A carpenter wants to fix a steel frame on the four sides of the top of a table. If the length and breadth of the table are 2.5m and 1.75m respectively, find the length of the steel frame required. (Ans: 8.5 m)
9. Two sides of a scalene triangle measure 15 cm and 12cm.If the perimeter of the triangle is 40 cm, find the length of the third side (ans:13cm)
10. Find the area of a rectangle of length 18 cm and breadth 13cm.(ans: 234 sq cm)
11. A rectangle and a square have the same perimeter 100 cm. Find the side of the square. If the rectangle has a breadth 2 cm less than that of the square, find the breadth, length and area of the rectangle? (Ans: side=25 cm, breadth=23 cm, length=27cm,area=621 sq cm)
12. The length and breadth of a room are 10 m and 4m respectively. Find the number of square tiles of side 50 cm that are required to pave on the floor of the room. (ans: 160 tiles)
13. Four grass beds, each of dimensions 3m x 1m are dug inside a square park of length 6m .Find the area of the remaining part of the park. (ans:24 sq m)
14. How many trees can be planted at a distance of 6m each around a rectangular plot whose length is 120m and breadth is 90 m? (Ans: $420/6=70$)
15. Find the area of the rectangles whose dimensions are given below:
 - a. 20 cm and 8 m (Ans:16000 sq cm)
 - b. 14 km and 12km (Ans: 168 sq km)
 - c. 5m and 50 cm. (Ans:25000 sq cm)
