Chapter – 10

Mensuration

Worksheet – 1

1. The perimeter of equilateral triangle is –
   a. Length of one side
   b. 2 × length of one side
   c. 3 × length of one side
   d. 4 × length of one side
2. The perimeter of square is –
   a. Length of one side
   b. 2 × length of one side
   c. 3 × length of one side
   d. 4 × length of one side
3. The perimeter of rectangle is –
   a. Length of one side
   b. 2 × length of one side
   c. 2(length + breadth)
   d. Sum of any 2 sides
4. The perimeter of a circle is –
   a. $2\pi r$
   b. $2(2 + r)$
   c. $\pi r$
   d. $\pi r/2$
5. The perimeter of a pentagon is –
   a. 5a
   b. 6a
   c. 4a
   d. 2a
6. Area of triangle is –
   a. $\frac{1}{2}$ (Perpendicular × Base)
   b. Base/2
   c. Base × 2
   d. 2 × (perimeter/2)
7. Area of a rectangle –

Get More Learning Materials Here : CLICK HERE www.studentbro.in

a. Length × length
b. Breadth × Breadth
c. Length × breadth
d. Length/Breadth

8. Area of a square –
   a. $4A^2$
   b. $3A^2$
   c. $A^2$
   d. $5A^2$
9. A cemented road has length of 15 km and area 1.5 $km^2$. What will be the breadth of the road?
   a. 100 m
   b. 200 m
   c. 300 m
   d. 400 m
10. A rectangular swimming pool has an area of 1500-meter square. If breadth of the pool is 30 m, then what will be its length?
   a. 20 m
   b. 40 m
   c. 50 m
   d. 60 m

11. Find the sum of perimeter of a regular pentagon and regular hexagon, in which length of one side of pentagon is 5 m and of hexagon is 7 m?

12. Find the side of the square whose perimeter is 24 m?

13. The perimeter of a regular pentagon is 120 m. How long is its each side?

14. A piece of wire is 36 cm long. What will be the length of each side if the wire is used to form a:

a. Square

b. An equilateral triangle

c. A regular hexagon

15. Two sides of a triangle are 16 cm and 14 cm, the perimeter of the triangle is 40 cm. What is the length of the third side of the tringle?

Get More Learning Materials Here : CLICK HERE www.studentbro.in

16. Find the cost of fencing a square shaped park of side 120 m at the rate of ₹30 per meter?

17. Find the cost of clearing a piece of land at ₹3 per meter square if the length and breadth of the field is 15 m and 12 m?

18. Find the cost of painting a wall at the cost of ₹15 per meter square if base and height of the wall are 25 m and 20 m respectively?

19. A person runs around a rectangular ground which has sides of 100 m and 60 m respectively. If he runs around the ground 3 times, then how much distance he has covered?

20. Cost of paving a path with bricks is ₹25 per meter square. If a rectangular path with sides 24 m and 18 m needs to be paved, then what will be the cost of pavement?

Get More Learning Materials Here : CLICK HERE www.studentbro.in