Area and Perimeter, & Volume

Objective Type

1. The amount of surface occupied by a figure is given by its _____.

2. The formula used to find the perimeter of rectangle is _____.

3. The area of rectangle with length 12 cm and breadth 8 cm is _____.

4. The distance around a closed figure is called its _____.

5. The perimeter of square of side 15 m is _____.

6. Volume of cuboid = length x _____ x height

7. The amount of space occupied by a solid gives its _____.

8. The measure of inner space of a hollow solid is called its _____.

9. The volume of cube of edge 5 cm is _____.

10. Sq m and sq cm are units of measuring_____.

11. The perimeter of rectangle with length 8 m and width 5 m is _____.

12. The volume of a cuboid with length 5m, breadth 4m and height 3m is _____.

13. Volume is expressed in _____ units.

14. Area is expressed in _____ units.

15. All sides of a square are _____ in length.

16. An empty box and full box of same size and shape have _____ volume.

17. Perimeter = _____ of all sides.

18. 4 x side gives the _____ of a square.

19. The perimeter of a triangle with side 9 cm, 8 cm and 7 cm is _____.

20. Length x breadth gives the _____ of a rectangle.

21. The area of a square of side 12 cm is _____.

22. The _____ of a figure is the number of times the unit square is continued in the figure.

23. Cubic metre and cubic centimeter are units of measuring _____.

24. A _____ is a special cuboid whose length, breadth and height are equal.

25 A _____ is a special rectangle whose length and breadth are equal.

Subjective Type questions :

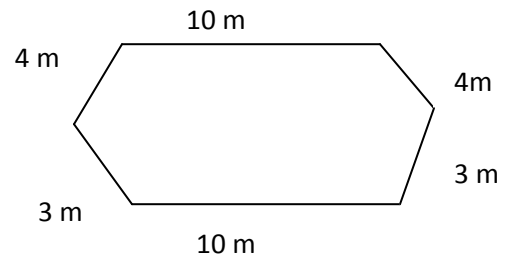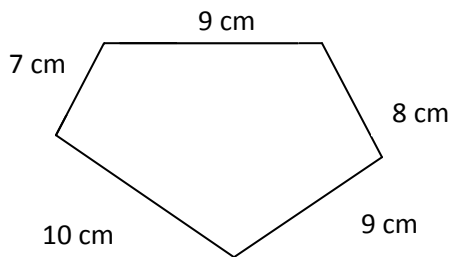1.   Find the area of the square with

     a. Side = 14 cm

b. Side = 8.5 m

2. Find the area of rectangle with

a) ℓ = 15 cm   b = 10 cm

b) ℓ = 25m   b = 9.5 m

3. Find the perimeter of the following shapes

9 cm

7 cm

8 cm

10 cm   9 cm

10 m

4 m

4m

3 m

3 m

10 m

4. Find the perimeter of a square whose

a) side = 18 cm

b) side = 36.25 m

5. Find the perimeter of rectangle whose

a) ℓ = 24 cm   b = 16 cm

b) ℓ = 32.5 m   b = 25.25 m

6. Find volume of a cube of edge

a) 13 cm

b) 21 m

7. Find the volume of a cuboid with

a) ℓ = 12 cm   b = 10 cm h = 8 cm

b) ℓ = 15 cm   b = 7.5 m   h = 9.5 m

8. Find the missing dimension in the following cuboid.

    a. V = 2400 cu cm

       ℓ = 60 cm

       b = 8 cm

       h = ?

    b. V = 1350 cu cm

       ℓ = 20 cm

       b = ?

       h = 7.5 cm

    b. V = 380 cu m

       ℓ = ?

       b = 9.5 m

       h = 2 m

9. A rectangular field is 425 m long 160 m broad. Find the perimeter of the field in km.

10. The length, breadth and height of a brick are 14 cm, 10 cm and 6 cm respectively. Find the volume one brick and 10 such bricks.

11. A fish tank is 60 cm long, 30 cm wide and 40 cm high. Find the volume of the fish tank.

12. A square park has a side of 80 m. Find the total distance you cover in jogging around it 5 times.

13. The edge of a cuboid wooden boxes 50 cm find its volume.