Area and Perimeter, & Volume

Objective Type

1. The amount of surface occupied by a figure is given by its _____.
2. The amount of space occupied by a solid is called its _____.
3. The distance around a closed figure is called its _____.
4. Area is expressed in _____ units.
5. Volume is expressed in _____ units.
6. The area of a square of side 1 cm is _____.
7. The volume of cube of edge 1 m is _____.
8. The perimeter of a square of side 1 cm is _____.
9. Area of rectangle = _____ x breadth.
10. Volume of cuboid = length x breadth x _____.
11. sq. m and sq. cm are units of measuring _____.
12. The measure of inner space of a hollow solid is called its _____.
13. The formula used to find the perimeter of rectangle is _____.
14. All sides of a square are _____ in length.
15. Area of a square = _____ x _____.
16. Volume of a cube = _____ x _____ x _____
17. A _____ is a special kind of rectangle whose length and breadth are equal.

18. A _____ is a special cuboid whose length, breadth and height are equal.
19. Cubic meter and cubic centimeter are units of measuring _____.
20. Perimeter of a rectangle = 2 x (_____ + breadth)
21. Perimeter is the _____ of all sides.
22. Perimeter of a square = 4 x _____
23. The _____ of a figure is the number of times the unit square is continued in the figure.
24. 4 x side gives the _____ of a square.
25. Length x breadth gives the _____ of a rectangle.
26. The perimeter of square of side 10 m is _____.
27. The area of rectangle with length 12 cm and breadth 8 cm is _____.
28. The area of a square of side 15 cm is _____.
29. The perimeter of rectangle with length 10 cm and 5 m is _____.
30. The volume of cube of edge 5 cm is _____.
31. The volume of a cuboid with length 5m, breadth 4m and height 2m is _____.
32. An empty box and full box of same size and shape have _____ volume.
33. The perimeter of a triangle with side 5cm, 8 cm and 7 cm is _____.

II Subjective Type questions :

1. Find the area of the square with

   a. Side = 9 cm
   b. Side = 12 m
   c. side = 6.5 cm

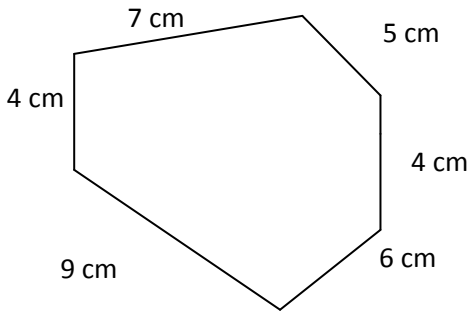
2. Find the area of rectangle with

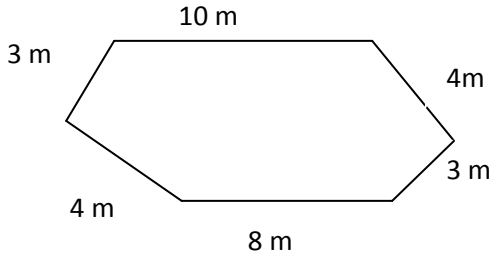
a) ℓ = 15 cm b = 8 cm

b) ℓ = 2.5m b = 6 m

c) ℓ = 2 cm b = 1.5 cm

3. Find the perimeter of the following shapes





4. Find the perimeter of a square whose

a) side = 12 cm

b) side = 16.5 m

5. Find the perimeter of rectangle whose

a) ℓ = 14.7 m b = 2.5 cm

b) ℓ = 24 cm b = 16 cm

c) ℓ = 7.5 cm b = 2.5 cm

6. Find volume of a cube of side

a) 8 cm

b) 10 cm

c) 16 m

7. Find the volume of a cuboid with

a) ℓ = 14 cm b = 10 cm h = 8 cm

b) ℓ = 4.5 cm b = 2 m h = 1.5 m

c) ℓ = 15 cm b = 7.5 m h = 8.5 m

8. Find the missing dimension in the following cuboid.

a. V= 2400 cu cm
ℓ = 80 cm
b = 6 cm
h = ?

b. V= 792 cm^3
ℓ = 12 cm
b = ?
h = 6 cm

c. V= 112m^3
ℓ = ?
b = 3.5 m
h = 2 m

9. The length and breadth of the floor of a room are 12 m and 7.5 m. find the area of a carpet which is to be spread on the floor.

10. A rectangular field is 625 m long 200 m broad. Find the perimeter of the field in km.

11. A square park has a side of 60 m. Find the total distance you cover in jogging around it 5 times.

12. The length, breadth and height of a brick are 10 cm, 12 cm and 8 cm respectively. Find the volume one brick and 10 such bricks.

13. A fish tank is 70 cm long, 40 cm wide and 30 cm high. Find the volume of the fish tank.

14. The edge of a cubical box is 30 cm. Find its volume.