5. The breadth of a garden is 8.7 m and its length is 15.3 m. What is the perimeter of the garden?

Unit-10 - Volume and Nets

I. Fill in the blanks

1. The _____ of an object is the amount of space it occupies.
2. The volume of an object is the amount of _____ it occupies
3. Volume of a cube of side 1 mm is _____
4. The unit of measurement of volumes is _____
5. A _____ is used to measure the volume of very small objects.
6. A _____ is used to measure the volume of large objects.
7. Volume of a cuboid of length 'l', breadth 'b' and height 'h' is _____
8. Volume of a cuboid of length 3 cm, breadth 2 cm and height 1 cm is _____
9. $V = l \times b \times$ _____

10 ____ $= \frac{V}{b \times h}$

11 $h = \frac{V}{\_\_\_\_ \times b}$

12 ____ $= \frac{V}{l \times h}$

13 Volume of a cube is measured in _____ units.

II Do the following.

1. Find the volume of each of the following.

a) $l = 5$ mm $b = 12$ mm $h = 9$ mm

b) $l = 21$ cm $b = 8$ cm $h = 12$ cm

c) $l = 5$ m $b = 3$ m $h = 30$ m

2. Find the missing side.

a) $l = 5$ m, $b = 7$ m, $V = 350$ cu.m, $h = ?$

b) $b = 12$ cm, $h = 8$ cm, $V = 1056$ cu.cm, $l = ?$

c) $l = 6$ mm, $h = 6$ mm, $V = 3600$ cu.mm, $b = ?$

3. Do as directed.

1. A rectangular box is 35 cm long, 10 cm height and 35 cm wide. What is the volume of the rectangular box?

2. A brick has a length of 19 cm, breadth of 7 cm, and height of 6 cm. What will be the volume of 20 such bricks?

Fill in the blanks

1. If we place an object of volume 20 cu. cm in a measuring glass, the water level will rise by _____ ml.

2. _____ cu. cm is the volume of an object that make the level of water rise by 10 ml.

3. A cuboid of volume _____ cu. cm occupies the same space as 60 ml of water.

2. Measure these angles with a protractor. Then state what type of angles they are.