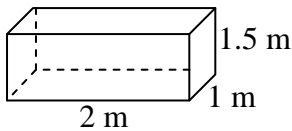


**Part I**

- (1) Find the volume of a cube of side length 5 cm.
- (2) The volume of a cube is 1000cm^3 . What is the length of each side?
- (3) The area of the base of a cuboid is 16cm^2 . The volume is 32cm^3 . Find its height.
- (4) Find the volume of the cuboid.



- (5) Find the capacity of a fish tank the length 2 m, breadth 1.5 m and height 1 m.

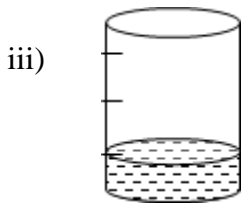
Part II

- (1) i) The following table has measurements of some cube and cuboids.
Fill in the blanks.

Length	Breadth	Height	Volume
a) 7 cm	5 cm	2 cm
b) 14 m	8 m	1120m^3
c) 1 m	$\frac{1}{2}\text{m}$	20 cm

- ii) The area of the base of a cuboid is 2500cm^2 . If the volume is 5000cm^3 , find its height in meters.
- iii) The dimensions of a metal block are 2.25 m by 1.5 m by 27 cm. It is melted and recast in to cubes, each of the side 45 cm. How many cubes are formed?

- (2)
- i) Find the volume of the cube which each edge is 6 cm.
 - ii) A brick is 15 cm in length, 8 cm in breadth and 5 cm in height. How many bricks will be used to make a wall of length 15 m, breadth 10 m and height 8 m?
 - iii) A pond is 50 m long, 30 m wide and 2 m deep. Find the capacity of the pond in cubic meter.
- (3)
- i) The capacity of a cuboidal tank is 50 000 liters of water. Find the breadth of the tank, if its length and depth are respectively 2.5 m and 10 m.
 - ii) A bottle contains 1500 ml of fruit juice. From this bottle 250 ml of cups are filled. Find the maximum number of cups that can be filled in this manner.



The volume of water in the container is 275 ml. Estimate the capacity of the container.

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