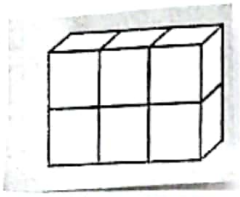
INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the academic year 2023-2024

Class : 5th Subject: Maths Date : 11/02/2024

Lesson: 10- Volume and Nets

A. Fill in the blanks:

1. The amount of space occupied by a solid is called its _____.
2. The distance between the top face and the bottom face of a cuboid is called its _____.
3. The formula for finding volume of a cube: V = _____.
4. The distance between the front and back face of a cuboid is called its _____.
5. Volume is measured in terms of _____ units.
6. The formula for finding volume of a cuboid: V = ___
7.  The volume of a given figure is _____ cu.cm

B. Choose the correct options:

1. If dimensions are in cm, unit of volume will be

a) cm b) sq.cm c) cu.cm

2. Edge of a cube is 3m then the volume of it is

a) 9cu.m b) 27cu.m c) 27sq.m

3. The distance between two side faces of a cuboid is called its

a) breadth b) height c) length

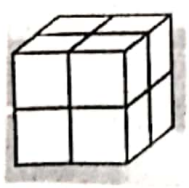
4. All the faces of a cube are

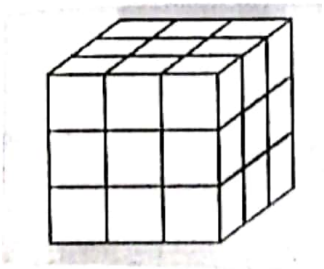
a) squares b) rectangles c) triangles

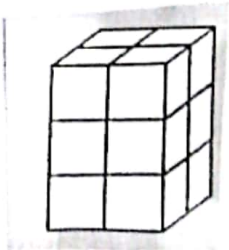
5) Volume of a cuboid 5cm long, 3cm broad and 2cm high is:

a) 10cu.cm b)30 cu.cm c) 30sq.cm

C. Find the volume of the given figures where each small cube is of volume 1cu.mm:

1. 

2. 

3. 

CamScanner

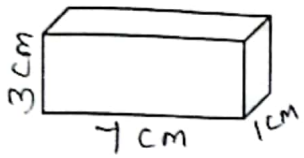
D. Find the volume of the following :

1. length = 12m , breadth = 5m , height = 3m

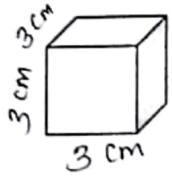
2) Edge of a cube = 9cm

3) l = 35cm, b= 11cm , h= 8cm

4)



5)



E. Solve

1) V= 64 cu.cm, edge of a cube = ?

2) v = 150 cu.m, l = 10m, h =5m b =?

3) v = 240 cu.cm , l = 12cm, b = 10cm, h= ?

F. Solve the following :

1) Find the volume of a box with dimensions 12cm, 8cm and 4.5cm.

2) Which has greater volume a cube having edge 6mm or a cuboid 10mm long, 7mm broad and 2.5mm high.

3) The volume of a wooden box is 125cu.cm, what is the length of the edge of it?

4) A water tank is 30m long, 25m wide and 1.75m deep. Find the volume of water it can hold.

CamScanner