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We will practice the questions given in the worksheet on volume of a cube and cuboid. We know the volume of an object is the amount of space occupied by the object.

1. Fill in the blanks:

(i) The volume of a rectangle box (or cuboid) = \_\_\_\_\_\_\_\_ × \_\_\_\_\_\_\_\_ × \_\_\_\_\_\_\_\_

(ii) The volume of a cube = \_\_\_\_\_\_\_\_ × \_\_\_\_\_\_\_\_ × \_\_\_\_\_\_\_\_

(iii) The volume of a 1 cm cube is \_\_\_\_\_\_\_\_

2. Find the volume of the cube whose each edge is:

(i) 5 cm

(ii) 4 cm

(iii) 6 cm

3. Find the volume of the cuboid whose dimensions are:

(i) length = 5 m, breadth = 4 m, height = 3 m

(ii) length = 48 cm, breadth = 36 cm, height = 24 cm

(iii) length = 12 m, breadth = 5 m, height = 4 m

4. A cuboid is 9 cm long, 5 cm broad and 4 cm high and a cube has an edge of 5 cm. Which one has greater volume?

5. A brick measures 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 metres?

6. A pond is 50 m long, 30 m wide and 2 m deep. Find the capacity of the pond in cubic metre.

7. Find the volume of the following rectangular solids:



Answers for the worksheet on volume of a cube and cuboid are given below.

**Answers:**

1. (i) length × breadth × height 2.  (i) 125 cu cm

(ii) Side × Side × Side (ii) 64 cu cm

(iii) 1 cu cm (iii) 216 cu cm

3. (i) 60 cu m 4. cuboid

 (ii) 41472 cu cm

 (iii) 240 cu m

5. 20000 6. 3000 cu m

7.  (i) 84 cu cm

(ii) 24 cu cm

(iii) 240 cu cm

(iv) 1200 cu cm

(v) 765 cm3

(vi) 253.125 cm3