

### Mensuration: Worksheet -3

1. The volume of a cuboid of dimension  $l \times b \times h$  is \_\_\_\_\_
2. 1 litre = \_\_\_\_\_ cubic centimetres.
3. The volume of a cuboid V and its length is 'l' and its breadth is b.  
Its height is \_\_\_\_\_
4. The total surface area of a cube is 6 sq.cm. Its volume is (in cu.cm)  
\_\_\_\_\_
5. The lateral surface of a cube is 6 sq.cm. Its volume is cubic  
centimeters \_\_\_\_\_
6. The ratio of the lateral surface area and the total surface area of a  
cube is \_\_\_\_\_
7. The outer dimensions of a wooden box with lid is  
 $24\text{cm} \times 20\text{cm} \times 16\text{cm}$ . If the thick of wood is 1.5 cm, the inner  
dimensions are \_\_\_\_\_ (in cm)
8. The inner measurements of a box are 24 cm  $\times$  20 cm  $\times$  16 cm. Then  
no of cubes can be packed of side 4 cm is \_\_\_\_\_
9. The volume of a cube of side 5 cm is \_\_\_\_\_
10. The ratio of volumes of two cuboids of dimensions  $5 \times 4 \times 3$  and  $4 \times$   
 $3 \times 2.5$  is \_\_\_\_\_
11. The parallel sides of a trapezium are  $(x + y)$  and  $(x - y)$ . The  
distance between them is x. Its area is \_\_\_\_\_
12. The area of a quadrilateral is \_\_\_\_\_
13. The unit of volume for liquids is generally a \_\_\_\_\_
14. The diagonals of a quadrilateral meet at the right angles Their  
lengths are 'a' , 'b' ,Its area is \_\_\_\_\_

