

C. Solve this word problems:-

①) Number of cubes arranged = 72

Number of cubes in length = 9

Number of cubes in layers = 4

The required volume of this cuboid =  $72 \text{ cu cm} = l \times b \times h$

$$\text{Required breadth} = \frac{\text{Volume}}{\text{Length} \times \text{height}} = \frac{72 \text{ cu cm}}{9 \text{ cm} \times 4 \text{ cm}} = \frac{72 \text{ cu cm}}{36 \text{ sq cm}} = 2 \text{ cm}$$

Ans. The volume of this cuboid is 72 cu cm.

= 2 cm

Two cubes are arranged breadthwise in this cuboid.