

$$3 \text{ (v)} \quad 704 = 2^3 \times 2^3 \times 11$$

Smallest no. by which 704 should be divided to get a perfect cube
= 11 (to remove factors not in triplets)

4 sides of cuboid are

5cm, 2cm, 5cm

$$\begin{aligned} \text{volume of a cuboid} &= l b h \\ &= 5 \times 2 \times 5 \\ &= 50 \end{aligned}$$

$$50 = 2 \times 5^2$$

Smallest no. by which 50 should be divided to get a perfect cube
= $2 \times 2 \times 5$
= 20

\therefore no. of cubes required = 20