

## CI-8 MATHS Volume and Surface Area

12/10

1. The volume of Cuboid is  $3456 \text{ cm}^3$ . If its length =  $24 \text{ cm}$  and breadth =  $18 \text{ cm}$ , find its height.
2. The volume of a cuboid is  $7.68 \text{ m}^3$ . If its length =  $3.2 \text{ m}$  and height =  $1 \text{ m}$ ; find its breadth.
3. The breadth and the height of a rectangular solid are  $1.2 \text{ m}$  and  $80 \text{ cm}$  respectively. If the volume of a cuboid is  $1.92 \text{ m}^3$ . Find its length.
4. The length, the breadth and the height of a cuboid are in the ratio  $5:3:2$ . If its volume is  $240 \text{ cm}^3$ , find its dimensions. Also find the total surface area of a cuboid.
5. The length, breadth and height of a cuboid are in the ratio  $6:5:3$ . If its total surface area is  $504 \text{ cm}^2$ , find its dimensions. Also, find the cuboid.