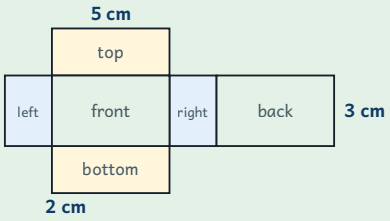
# Volume of cubes and cuboids



**Volume** is the space inside a solid: **length × width × height**, measured in cubic units.




→ A 5 × 3 × 2 cuboid holds 5 × 3 × 2 = **30 cm³**.

## FIND THE VOLUME OF A 5 CM × 3 CM × 2 CM CUBOID

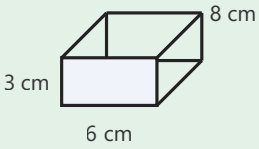
1. Volume = **length × width × height**.
2. 5 × 3 × 2 = **30 cm³**.

## HOW TO ANSWER TODAY

- **Volume.** Volume = length × width × height. Answer in cubic units (cm³, m³).
  5 × 4 × 3 = 60 cm³

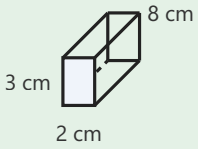
## WARM-UP

**1**




Oisín builds a wooden storage box in 5th class woodwork to hold his Snakes and Ladders pieces. The box measures **6 cm** long, **8 cm** wide and **3 cm** high. What is the volume of the box?

**2**




Oisín is making a junk-modelling robot for the 5th class art project. He cuts a small block from a cereal box that measures **2 cm** long, **8 cm** wide and **3 cm** high. What is the volume of the block?