Relationship between capacity and volume (litres and cm³)

HOW TO ANSWER TODAY

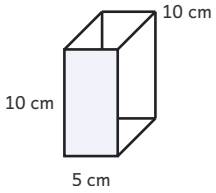
- **Volume.** Volume = length × width × height. Answer in cubic units (cm³, m³).
 5 × 4 × 3 = 60 cm³

STRETCH PROBLEMS

1. Saoirse helps refill the squash dispenser at the 5th-class tuck shop. The empty jug holds **12000** cm³ of orange squash when full. How many litres does the jug hold? (**1 litre** = **1000** cm³)

 How many litres are in 12000 cm³? (1 litre = 1000 cm³)

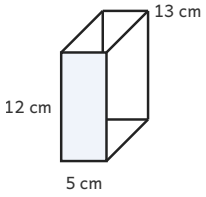
2. Saoirse is wrapping a gift box at the after-school crafts club. The box is a cuboid that measures **5 cm** long, **10 cm** wide and **10 cm** high. What is the volume of the box?



3. Oisín is filling a measuring jug at the school sink for a science experiment. The jug holds **3000** cm³ of water. How many litres is that, given that **1 litre** = **1000** cm³?

 How many litres are in 3000 cm³? (1 litre = 1000 cm³)

4. 5th class are building a wooden storage box to keep the giant chess pieces from the yard chess board. The box measures **5 cm** long, **13 cm** wide and **12 cm** high in the model the teacher shows them. What is the volume of the model box?



5. In the maths corner, Oisín fills a measuring jug with **3000** cm³ of water for a capacity activity. He needs to record the amount in litres, using the rule that **1 litre** = **1000** cm³. How many litres has he poured into the jug?