

Volume of cuboids

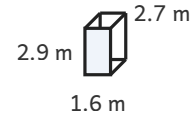
MODULE 4 · MEASURES — LENGTH, MASS, CAPACITY, AREA, VOLUME MEASURES

HOW TO ANSWER TODAY

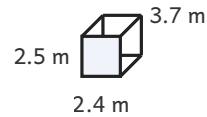
- **Volume.** Volume = length $\times$ width $\times$ height. Answer in cubic units (cm^3 , m^3).

★ STRETCH PROBLEMS

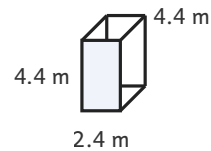
- 1 Tadhg helps measure the cuboid store cupboard beside the PE hall. It is **1.6 m** long, **2.7 m** wide and **2.9 m** high. What is its volume?



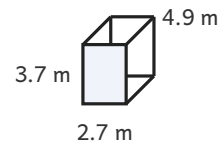
- 2 The caretaker is delivering a new storage container to keep GAA gear beside the wall-ball court. The container is a cuboid **2.4 m** long, **3.7 m** wide and **2.5 m** high. What is the volume of space inside it?



- 3 The PE store room at Niamh's school is a cuboid that measures **2.4 m** long, **4.4 m** wide and **4.4 m** high. The caretaker wants to know how much space is inside before stacking new mats. What is the volume of the store room?



- 4 Cian's 5th class build a giant cuboid den in the school hall out of cardboard panels for their junk-modelling project. The finished den measures **2.7 m** long, **4.9 m** wide and **3.7 m** high. What is the volume of the den in cubic metres?



- 5 Aoife helps the caretaker measure the new PE store in the school yard. It is **4.4 m** long, **2.8 m** wide and **1.9 m** high. What is the volume of the store?

