

Volume of cubes and cuboids

MODULE 5 · MEASURES — LENGTH, AREA, VOLUME, MASS AND CAPACITY

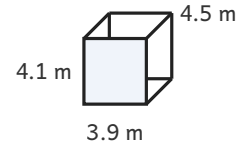
MEASURES

HOW TO ANSWER TODAY

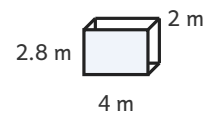
- **Volume.** Volume = length $\times$ width $\times$ height. Answer in cubic units (cm^3 , m^3).

★ STRETCH PROBLEMS

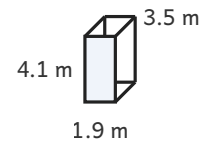
- 1 In art class, Saoirse is drawing a scale plan of a new outdoor classroom for the school yard. The outdoor classroom will be a cuboid **3.9 m** long, **4.5 m** wide and **4.1 m** high. What is its volume?



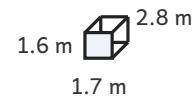
- 2 Fionn helps measure a new storage container for the PE gear. The container is a cuboid measuring **4.0 m** long, **2.0 m** wide and **2.8 m** high. What is its volume?



- 3 A new storage shed for the school's Gaelic football gear is being built as a cuboid. It measures **1.9 m** long, **3.5 m** wide and **4.1 m** high. What is its volume?



- 4 Saoirse's group in 6th class are measuring the cuboid water tank in the school garden during STEM week. The tank measures **1.7 m** long, **2.8 m** wide and **1.6 m** high. What is its volume?



- 5 Aoife helps measure the new storage shed for the wall-ball equipment on the school yard. The shed is a cuboid that is **4.6 m** long, **1.7 m** wide and **2.0 m** high. What is its volume?

