Together we achieve

SECAT

Volume — Knowledge Organiser

Key Vocabulary
cubed
area
cross-section
prism
cube
cuboid
face
length
height
width
depth

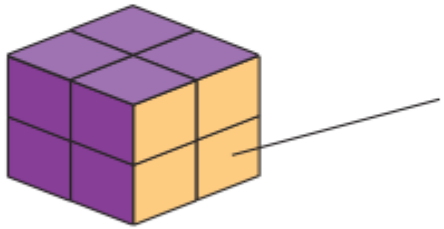
Year 5

Volume of Cubes and Cuboids

Volume is measured in cubed units. For example, **cm³**, **m³** and **km³**.

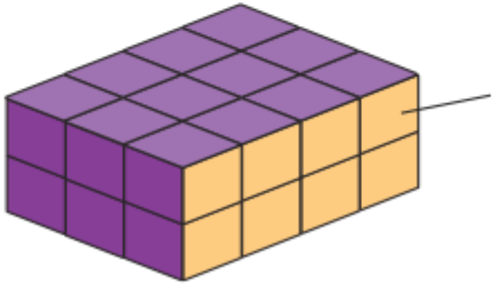
To calculate the volume of cubes and cuboids:

1. Calculate the area of the cross-section (one face).
2. Multiply the area of the cross-section (one face) by its depth.



Area of cross section (face) = 2cm × 2cm = 4cm²

4cm² × 2cm = Volume of 8cm³



Area of cross section (face) = 4cm × 2cm = 8cm²

8cm² × 3cm = Volume of 24cm³