# Year Five
# Volume

Volume is measured in cubed units. For example, $cm^3$, $m^3$ and $km^3$.

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.

**Vocabulary**

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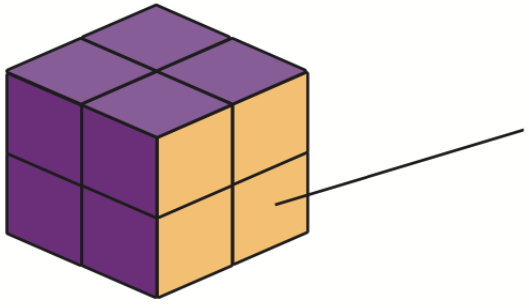
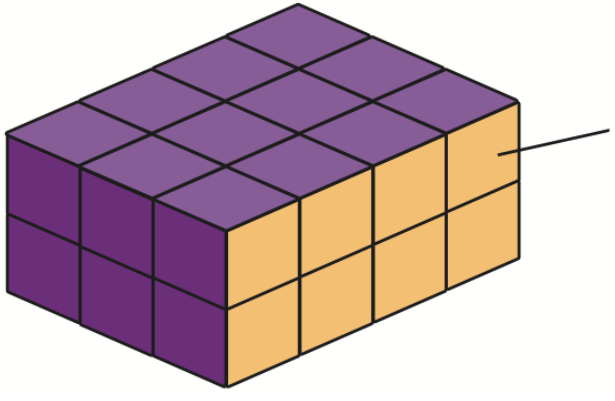
|---|
| cubed |
| area |
| cross-section |
| prism |
| cube |
| cuboid |
| face |
| length |
| height |
| width |
| depth |



Area of cross-section (face) = 2cm x 2cm = $4cm^2$

$4cm^2$ x 2cm = Volume of $8cm^3$



Area of cross-section (face) = 4cm x 2cm = $8cm^2$

$8cm^2$ x 3cm = Volume of $24cm^3$