

Max’s Volume and Capacity Masterclass

Learning objective: To understand and apply the concepts of volume and capacity using standard metric units, including calculating the volume of cuboids.

Key Vocabulary

Use this vocabulary that to help Max solve his measurement puzzles. The terms are grouped by their mathematical function to help you choose the right tool for your calculations.

Volume The total amount of three-dimensio...	Capacity The maximum amount that a conta...	Cuboid A 3D shape with six rectangular fac...
Cubic centimetre ... A unit of volume for s...	Cubic metre (m³) A larger unit of volume, e...	Millilitre (ml) A metric unit of capacity; 1,00...
Litre (l) A metric unit of capacity; 1 litre equa...	Dimension A measurement of length, width,...	Formula A mathematical rule expressed in s...
Surface Area The total area of all the faces ...	Displacement The process of measuring the...	Interval The distance or space between two ...
Estimate To make an educated guess about ...	Precision The level of accuracy in a measur...	Compound shape A complex 3D shape ma...
Explain why the ...	Compare and con...	If a cuboid has a ...
What might happ...	A box costs £2.50...	Design a 'compo...