

Max's Magnificent Volume Guide

Master the Space Inside: Max the Monkey's Guide to Volume!

- Volume is calculated by multiplying the length by the width and then by the height (Volume = $l \times w \times h$).
- When measuring small objects, we use cubic centimetres (cm^3). For larger spaces, like a room, we use cubic metres (m^3).
- A cube is a special type of cuboid where the length, width, and height are all exactly the same size.
- If a box has a length of 5cm, a width of 2cm, and a height of 3cm, the volume is 30cm^3 ($5 \times 2 \times 3 = 30$).
- Volume is different from capacity; volume describes the space taken up by the object, while capacity describes how much a container can hold.

Did you know? Did you know? Volume is the measure of how much 3D space an object occupies. While area is flat (2D), volume is the amount of 'stuff' you can fit inside a shape, like how many small 1cm cubes would fill a larger box perfectly!

Key vocabulary: Volume · Capacity · Cuboid · Cubic Centimetres · Dimensions · Length · Width · Height