

Max's Magnificent Guide to Volume

Get Ready to Measure the Space Inside! Join Max the Monkey as we unlock the secrets of 3D shapes.

- **Volume is the measure of 3D space inside an object. We measure it in cubic units, such as cubic centimetres (cm^3).**
- **To find the volume of a cuboid, multiply the three dimensions together: $\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$.**
- **If a shape is made of individual cubes, you can find the total volume simply by counting how many 1cm^3 blocks it takes to build it.**
- **Remember: Area is for 2D shapes (cm^2), but Volume is for 3D shapes (cm^3). Always check your units!**
- **Max's Math Tip: If a cuboid is 5cm long, 2cm wide, and 3cm high, the calculation is $5 \times 2 \times 3 = 30\text{cm}^3$.**

Did you know? Did you know? Volume measures the amount of space an object occupies. If you have a box that is 1cm long, 1cm wide, and 1cm high, it has a volume of exactly 1cm^3 ! Imagine filling a giant room with millions of these tiny blocks—that is how we measure the volume of big spaces.

Key vocabulary: Volume · Capacity · Cubic centimetres (cm^3) · Length · Width · Height · Unit cube