

Max's Mathematical Volume Adventure

Master the space inside! Join Max the Monkey as we measure the world in 3D.

- **Volume is the measure of the amount of three-dimensional space an object occupies. We calculate it by multiplying the length $\times$ width $\times$ height.**
- **To find the volume of a cuboid, you must ensure all measurements are in the same unit before you multiply them together.**
- **A cube is a special type of cuboid where every edge is the same length. Therefore, the volume is side $\times$ side $\times$ side (or side cubed).**
- **We use cubic centimetres (cm^3) for small objects like a pencil case, and cubic metres (m^3) for large spaces like your classroom.**
- **The total volume remains the same even if you rearrange the cubes, provided no cubes are added or taken away.**

Did you know? Did you know? If you had a hollow cube measuring exactly 1 metre by 1 metre by 1 metre, it would hold 1,000 litres of water! That is the same as the volume of a very large bathtub.

Key vocabulary: Volume · Capacity · Cubic centimetres (cm^3) · Cubic metres (m^3) · Dimensions · Formula · Length · Width · Height