Max’s Magnificent Cube Numbers

Master the third dimension: Unlock the secrets of perfect cubes with Max the Monkey!

- **A cube number is the result of multiplying a whole number by itself, and then by itself again. For example, 2 cubed (written as 2^3) is 2 × 2 × 2, which equals 8.**
- **To find the value of 3 cubed (3^3), you calculate 3 × 3 × 3, which equals 27.**
- **The first five cube numbers are: 1 (1^3), 8 (2^3), 27 (3^3), 64 (4^3), and 125 (5^3).**
- **The little '3' written above a number is called an index or exponent. It tells you how many times to use the base number in a multiplication calculation.**
- **Cube numbers are named because they represent the volume of a cube where the length, width, and height are all the same measurement.**

Did you know? Did you know? If you have a cube with a side length of 10cm, its volume is 1,000cm^3. That is the same as the number of millilitres in a whole litre! Cube numbers grow very quickly because you are multiplying the number by itself, and then by itself again.

Key vocabulary: Cube number · Cubed · Exponent · Three-dimensional · Base · Product