

Max the Math Monkey's Place Value Adventure

Master the Mighty Millions: Unlocking the Secret Power of Place Value!

- The value of a digit is determined by its position in a number. For example, in the number 4,321, the '4' represents four thousand, not just four.
- Partitioning is the process of breaking a number into its component parts (thousands, hundreds, tens, and ones) to make it easier to understand.
- When comparing two numbers, always look at the column with the highest value first—the thousands column—to see which number is larger.
- A four-digit number can be written in expanded form by adding the values together: $2,567 = 2,000 + 500 + 60 + 7$.
- If you are buying items for £1,250, that represents one thousand pounds, two hundred pounds, fifty pounds, and zero pence.

Did you know? Did you know? Even though a zero represents 'nothing' in terms of value, it is a vital 'placeholder'. Without zero, we wouldn't be able to tell the difference between 5 and 50, or 500 and 5000! Zero keeps every digit in its correct column so our numbers stay organized.

Key vocabulary: Place value · Thousands · Hundreds · Tens · Ones · Digit · Partitioning · Placeholder