

Max's Magnificent Place Value Masterclass

Unlock the code to big numbers—every digit has its place!

- The value of a digit is determined by its position: Millions, Hundred Thousands, Ten Thousands, Thousands, Hundreds, Tens, and Ones.
- When we move to the right of the decimal point, the value of each place becomes ten times smaller: tenths, hundredths, then thousandths.
- The digit 0 acts as a vital placeholder to ensure that other digits remain in their correct column, for example in the number 4,007.
- Multiplying a number by 10 shifts every digit one place to the left, increasing its value tenfold.
- Dividing a number by 100 shifts every digit two places to the right, making the value significantly smaller.

Did you know? Did you know? In the number 5,555, the digit 5 appears four times, but each one represents a different value! The first 5 is worth five thousand, while the last 5 is worth only five ones. It is all about where the digit sits in the queue!

Key vocabulary: Place value · Millions · Decimal point · Tenths · Hundredths · Thousandths · Placeholder