

Max's Mental Math Masterclass

Master the Mind-Bending Power of Mental Math!

- **Partitioning:** To add $456 + 230$ mentally, split the numbers into hundreds, tens, and ones ($400+200$, $50+30$, $6+0$) to make it easier to add.
- **Rounding:** When adding or subtracting, round numbers to the nearest 10 or 100 first to get an estimate, then adjust your answer.
- **The Inverse Rule:** Addition and subtraction are inverse operations. If you know $15 + 5 = 20$, you also know that $20 - 5 = 15$.
- **Doubling and Halving:** To multiply by 4, double the number twice. To multiply by 8, double it three times! This is a great shortcut.
- **Commutative Property:** In addition and multiplication, the order of numbers doesn't change the result (e.g., 7×4 is the same as 4×7).

Did you know? Did you know? Your brain is a super-computer! When you use mental math, you are strengthening the neural pathways in your brain, making it faster and more efficient at solving complex problems in everyday life—like calculating the change from a £20 note at the shops!

Key vocabulary: Partitioning · Inverse · Estimate · Rounding · Commutative · Difference · Calculation