

Max's Magnificent Mental Maths Toolkit

Master the art of the swift calculation and become a number-crunching champion!

- **Partitioning is a brilliant way to break numbers apart. To add $47 + 35$, partition them into tens ($40 + 30 = 70$) and units ($7 + 5 = 12$), then combine the totals to find 82.**
- **The commutative law reminds us that in addition and multiplication, the order of the numbers does not change the result. 15×2 is exactly the same as 2×15 .**
- **Using inverse operations is a clever way to check your work. If you know that $8 \times 4 = 32$, you instantly know that $32 \div 4 = 8$.**
- **Always estimate before you calculate! Rounding numbers to the nearest ten or hundred helps you determine if your final answer is reasonable.**
- **When multiplying by 10 or 100, simply shift the digits one or two places to the left. The placeholder zero keeps everything in the correct column.**

Did you know? Did you know? Your brain is the most powerful computer in the world! When you perform mental maths, you are strengthening the neural pathways that help you solve complex problems in everyday life—like calculating how much change you should get from £10.00 when buying three notebooks for £2.50 each.

Key vocabulary: Partitioning · Commutative · Inverse · Estimate · Strategy · Fluency