

Mastering Multiplication with Max the Monkey

Max's Multiplication Mission: Solve the puzzle, one digit at a time!

- When multiplying by a two-digit number, remember to place a zero in the ones column as a placeholder before you start multiplying by the tens digit.
- The commutative law tells us that the order of the numbers does not change the product; for example, 12×5 is the same as 5×12 .
- Always align your digits carefully according to their place value—thousands, hundreds, tens, and ones—to ensure your column addition remains accurate.
- When regrouping (carrying), remember to add the extra amount to the next column after you have completed the multiplication step for that digit.
- A quick way to check your work is to use estimation; round your numbers to the nearest ten or hundred to see if your final product is reasonable.

Did you know? Did you know? The concept of multiplication dates back thousands of years to ancient civilisations like the Babylonians, who used base-60 number systems! Today, we use our base-10 system to make calculating large products much simpler using Max's favourite tool: the formal written method.

Key vocabulary: multiplicand · multiplier · product · long multiplication · place value · regrouping · commutative