

Max's Masterclass: Mastering Long Multiplication

Max the Monkey's Guide to Multiplying Big Numbers!

- Always set your calculation out in columns, lining up the ones, tens, hundreds, and thousands carefully.
- Start by multiplying the top number by the ones digit of the bottom number.
- Place a zero in the ones column before you start multiplying by the tens digit of your multiplier.
- If you have 'carried' any numbers during your multiplication, remember to add them back in after you have multiplied the next digit.
- Once you have two separate totals, add them together carefully to find the final product.
- If you are multiplying by money, don't forget to put your decimal point and the £ sign in the final answer!

Did you know? Did you know that long multiplication is like building a tower? Just like Max the Monkey carefully piles his banana crates, you must place your digits in the correct columns to keep your answer from toppling over! Always remember to add your zero place holder when moving to the tens column.

Key vocabulary: Multiplicand · Multiplier · Product · Place holder · Partitioning · Column method