

Max's Masterclass: The Magic of Multiplication

Master the Multiplication Maze with Max the Monkey!

- **Multiplication is commutative, meaning the order of the numbers does not change the product (e.g., 4×6 is the same as 6×4).**
- **When multiplying by a two-digit number, remember to use a placeholder zero in the ones column when starting your second row of calculations.**
- **The formal written method requires careful alignment of digits according to their place value: thousands, hundreds, tens, and ones.**
- **You can check your answers by using the inverse operation, which is division.**
- **Partitioning numbers into smaller, manageable parts (like 12 into $10 + 2$) can help you solve complex multiplication problems mentally.**

Did you know? Did you know? Multiplication is essentially repeated addition. Max the Monkey discovered that if you have 12 bunches of bananas with 15 bananas in each, instead of adding 15 twelve times, you can use the formal long multiplication method to find the product of 180 in just a few seconds!

Key vocabulary: Product · Multiplicand · Multiplier · Factor · Place value · Formal written method · Long multiplication · Partitioning