

Mastering the Long Division Trail with Max

Divide and Conquer: Max the Monkey's Guide to Long Division!

- **The Dividend is the total amount you are sharing or grouping, which sits inside the division bus stop.**
- **The Divisor is the number you are dividing by, placed outside the bus stop to guide your calculation.**
- **When you find the answer, it is called the Quotient, representing how many times the divisor fits into each place value.**
- **If a number does not divide perfectly, the amount left over is the Remainder, which can be expressed as a whole number, a fraction, or a decimal.**
- **Always remember the order: Divide, Multiply, Subtract, Bring Down, and Repeat to ensure accuracy.**

Did you know? Did you know that long division is essentially a process of repeated subtraction? It is like peeling an onion layer by layer; you break a large, complex number into smaller, manageable chunks until nothing is left but the remainder!

Key vocabulary: Dividend · Divisor · Quotient · Remainder · Place Value · Partitioning · Inverse Operation