Max’s Magnificent Long Division Method

Learning objective: To accurately divide four-digit numbers by two-digit numbers using the formal long division method.

Max the monkey loves to break big numbers down into smaller, manageable chunks! Use this template to help you solve your long division problems. Follow the steps: Divide, Multiply, Subtract, Bring down, and Repeat. Show all your working out in the boxes provided to ensure you don't miss a step.

Word bank: Dividend · Divisor · Quotient · Remainder · Place Value · Multiples · Estimate

1. The Challenge: Write down the four-digit dividend and the two-digit divisor you are working with today. Provide an estimate of what your answer might be. (2 marks)

2. The Multiples Table: List the first five multiples of your divisor to help you with your division steps. (2 marks)

3. The Long Division Layout: Use this space to perform the formal division method, showing your 'Divide, Multiply, Subtract, Bring Down' steps clearly. (4 marks)

4. Checking the Work: Use inverse operations (multiplication) to check if your quotient multiplied by your divisor equals your original dividend. (2 marks)

5. Max's Reflection: If you had a remainder, explain how you would write this as a fraction or a decimal. (2 marks)

Extension challenge: Max has 4,250 bananas to share between 25 monkey troupes. If each troupe gets an equal amount, how many bananas does each troupe receive? Use the template above to solve this word problem.