

Max's Number Detective Log

Learning objective: To identify and record the place value of digits in 4-digit numbers.

Max the monkey is helping us solve number puzzles! Look at the 4-digit number at the start of each section. Break the number into thousands, hundreds, tens, and ones to show what each digit is worth. Use the word bank if you need help with the spelling.

Word bank: thousands · hundreds · tens · ones · place value · digit · total

1. Choose a 4-digit number. Write it here. How many thousands are in your number? (2 marks)

2. Look at the hundreds digit in your number. What is its value? (For example, 3 in the hundreds column is 300). (2 marks)

3. What is the value of the digit in the tens place? Explain how you know. (2 marks)

4. Write down the value of the ones digit. Write the total number in words. (2 marks)

Extension challenge: Can you partition your number in a different way? For example, 1234 could be $1000 + 200 + 30 + 4$.