Max the Monkey’s Place Value Explorer

Learning objective: To understand the value of each digit in a two-digit number (tens and ones).

Max the Monkey has found some numbers in the jungle! Help him sort them out. For each challenge, look at the number provided, identify how many tens and ones it has, and show your working out. Remember, £10 notes are our 'tens' and £1 coins are our 'ones'.

Word bank: tens · ones · digit · value · partition · total · greater than · less than

1. The Mystery Number: Choose a two-digit number between 20 and 99. Write it down here and partition it into tens and ones. (2 marks)

2. Shopping with Max: If you have a toy that costs £45, how many £10 notes and how many £1 coins do you need to pay for it? (2 marks)

3. Digit Power: Look at the number 72. Explain what the '7' represents and what the '2' represents. (3 marks)

4. Comparison Challenge: Pick two different two-digit numbers. Write them down and use the words 'greater than' or 'less than' to compare them. (2 marks)

5. Max's Word Problem: Max has 3 tens and 8 ones. What is his total number? Write the number as both a numeral and in words. (2 marks)

Extension challenge: Challenge: Can you find a number that has the same digit in the tens place and the ones place? What is the value of each digit in that number?