

Max's Place Value Puzzle Adventure

Learning objective: To recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones).

Max the monkey has found a series of mysterious number codes in the jungle! Help Max solve the puzzles by looking closely at the value of each digit. Read the stories and answer the questions below.

Max is exploring the Great Number Forest. He finds a golden stone with the number 4,729 carved into it. Max knows that the '4' isn't just a four—it represents four thousands! He then finds a silver leaf with the number 8,305. He notices that there are zero tens in this number, which makes it a tricky puzzle. Finally, Max finds a treasure chest that requires a secret code. The code is a number with 6 thousands, 2 hundreds, 8 tens, and 3 ones. Max needs to put these together to unlock the chest and find the hidden prizes!

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

1. In the number 4,729, what is the value of the digit 7? (1 mark)

2. Look at the number 8,305. Which digit is in the thousands place, and what is its value? (2 marks)

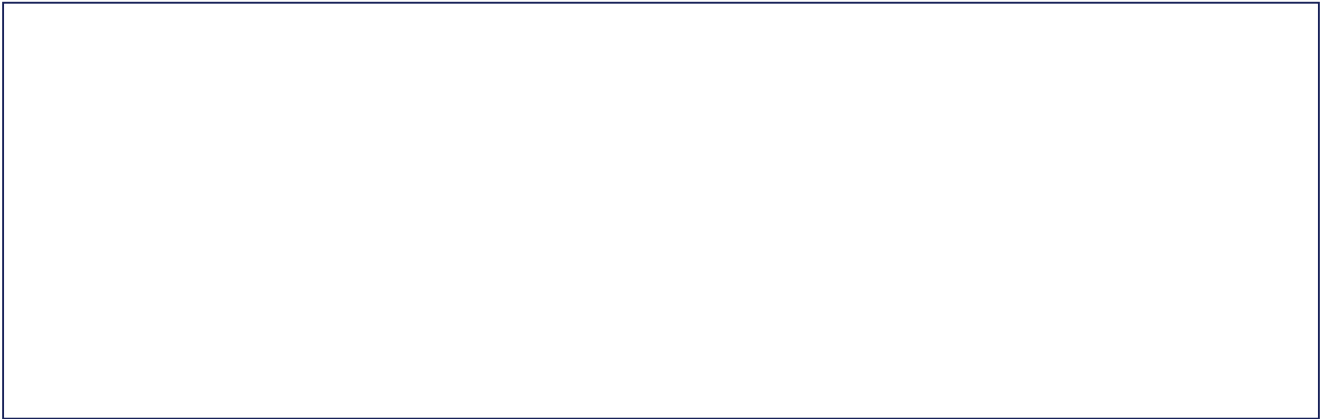
3. What is the secret code for the treasure chest? (6 thousands, 2 hundreds, 8 tens, and 3 ones) (1 mark)

4. Max finds another number: 5,142. If Max changed the 1 hundred to 9 hundreds, what would the new number be? (2 marks)

5. Max has £3,450 in his adventure bank. Explain what the digit 4 represents in this amount of money. (2 marks)

6. Write the number 'seven thousand, four hundred and twelve' using digits. (1 mark)

Draw: Draw Max the monkey standing next to the treasure chest, and write the secret code in big, colourful numbers on the lock!



Extension challenge: Can you think of a four-digit number where the digit in the hundreds place is double the digit in the ones place? Write your number and explain how you know it is correct.