

Max's Place Value Adventure

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

Read the information below about Max the monkey's collection of maths puzzles. Use the word bank to help you answer the questions about place value.

Max the monkey is organising his collection of wooden puzzle blocks. He has 4,325 blocks in his jungle storehouse! Max loves to sort them into groups to keep his maths tidy. He says, 'In the number 4,325, the 4 represents four thousands, the 3 represents three hundreds, the 2 represents two tens, and the 5 represents five ones.' Max uses his place value chart to make sure every block is in the correct column. Today, he found a new bag containing 1,068 puzzle pieces and added them to his collection.

Word bank: Thousands · Hundreds · Tens · Ones · Partition · Digit · Value · Place value column

1. Using Max's method, partition the number 4,325 into thousands, hundreds, tens, and ones. (2 marks)

2. In the number 1,068, which digit is in the hundreds column and what is its value? (2 marks)

3. What is the value of the digit 4 in the number 4,325? (1 mark)

4. Max finds 7 more blocks. Write the new total of his collection (1,068 + 7). (1 mark)

5. Explain why the digit 0 is important in the number 1,068. (2 marks)

Draw: Draw a place value chart with four columns: Thousands, Hundreds, Tens, and Ones. Place the number 2,514 into your chart using circles to represent the counters for each column.



Extension challenge: Max has a secret number. It has 3 thousands, the number of tens is double the number of thousands, the ones digit is 5, and the hundreds digit is 0. What is Max's secret number?