

Max's Market Maths: Place Value Challenge

Learning objective: To recognise the place value of each digit in a four-digit number and partition numbers up to 10,000.

Max the monkey is helping at the local community market. Use your knowledge of thousands, hundreds, tens, and ones to help him sort the prices and inventory. Read the passage carefully and answer the questions below.

Max is organising the market stalls. He has 4,325 wooden tokens to give to customers. At the fruit stall, a crate of apples costs £1,240. The honey stall, run by Bea, has 3,056 jars of golden honey ready for sale. Max loves to break these big numbers down into smaller parts to make sure he hasn't lost any stock. He knows that in the number 4,325, the '4' represents four thousands, the '3' is three hundreds, the '2' is two tens, and the '5' is five ones.

Word bank: Thousands · Hundreds · Tens · Ones · Digit · Partition · Value

1. Using the number of apple crates (£1,240), write down the value of the digit '2'. (2 marks)

2. Look at the number of honey jars: 3,056. Explain why there is a zero in the hundreds column. (2 marks)

3. Max finds a box with 2,781 mystery items. Partition this number into its thousands, hundreds, tens, and ones. (2 marks)

4. Which is larger: 3,506 or 3,056? Write your answer and explain how you know using place value. (2 marks)

5. Write the number 'four thousand, two hundred and nine' in digits. (1 mark)

Draw: Draw a set of base-ten blocks (thousands cubes, hundreds flats, tens rods, and ones units) to represent the number 2,143.



Extension challenge: Max has a bag of 5,000 marbles. He gives away 1,200, then loses 10. Write the final number of marbles Max has left in words and explain the value of each digit.