

Max's Magnificent Market Maths

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

Help Max the monkey organise his market stall inventory! Use your knowledge of place value to answer the questions below. Remember to look closely at the digit positions.

Max is busy at the community market selling colourful fruit and craft supplies. He keeps a careful record of his stock in his notebook. Today, he has 2,456 red apples, 1,309 packets of seeds, and 3,840 wooden beads. Max loves to break these numbers down to see exactly how many of each item he has in his storehouse.

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

1. Max has 2,456 red apples. Write this number in its expanded form (e.g., $2000 + 400 + 50 + 6$). (2 marks)

2. Look at the number 1,309 (packets of seeds). What is the value of the digit '3' in this number? (1 mark)

3. Max sold a box of rare painting brushes for £3,425. If he wants to increase the value of the 'tens' column by 4, what would the new price be? (2 marks)

4. Compare 2,456 and 3,840 using the correct inequality symbol (< or >). Explain your reasoning. (2 marks)

5. If Max finds 1,000 more wooden beads, what will the new total be? Write the number in words. (1 mark)

Draw: Draw a set of base-10 blocks (thousands cubes, hundreds flats, tens rods, and ones units) to represent the number 1,309.



Extension challenge: Max has a secret mystery number. It has 4 thousands, the hundreds digit is double the thousands digit, the tens digit is 5 less than the hundreds digit, and the ones digit is 1. What is Max's mystery number?