

Max's Market Place Value Adventure

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

Help Max the monkey sort the fruit prices at the market. Read the price tags, colour the items based on the place value rules, and answer the questions below.

Max is visiting the local market to help the stallholders organise their prices. He has four crates of fruit with price tags: Apples are £1,245, Bananas are £3,082, Grapes are £2,560, and Pears are £4,107. Max knows that every digit has a specific value depending on where it sits in the number. For example, in £1,245, the '2' represents two hundreds because it is in the hundreds column. Max needs to make sure he puts the right amount of coins in the right jars!

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

1. Look at the price of the Bananas (£3,082). What is the value of the digit '8' in this number? (2 marks)

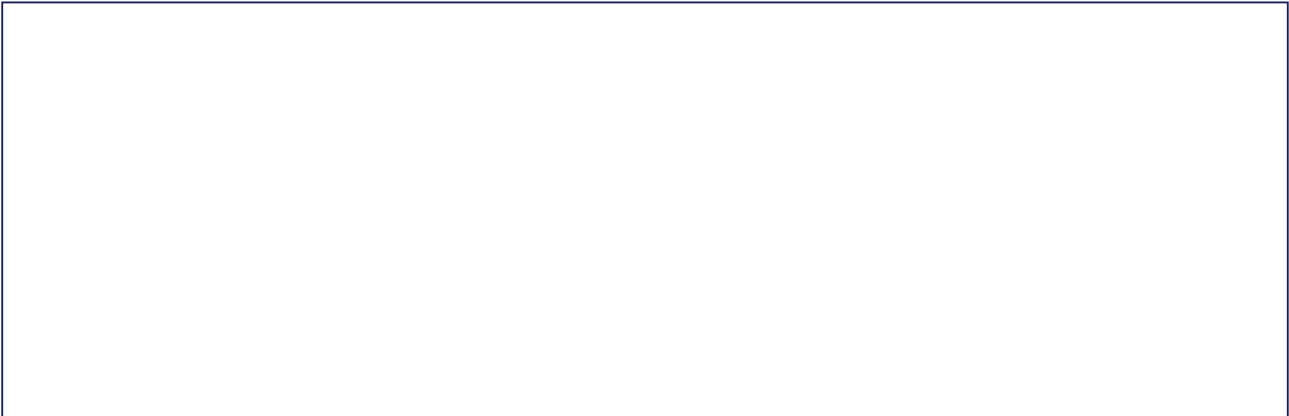
2. Write the price of the Grapes (£2,560) in expanded form (e.g., $2000 + 500 + 60 + 0$). (2 marks)

3. Max finds a mystery bag of fruit priced at £4,005. Why is there a zero in the hundreds column? (2 marks)

4. Compare the price of Apples (£1,245) and Pears (£4,107). Which digit determines that Pears are more expensive? (2 marks)

5. If Max adds another £100 to the price of the Grapes (£2,560), what will the new price be? (2 marks)

Draw: Draw a market stall with four wooden crates. Label the first crate 'Apples £1,245', the second 'Bananas £3,082', the third 'Grapes £2,560', and the fourth 'Pears £4,107'. Colour the digits in the thousands column red, the hundreds column blue, the tens column green, and the ones column yellow.



Extension challenge: Max has a bag of coins worth £5,000 exactly. If he buys one crate of each fruit (Apples, Bananas, Grapes, and Pears), how much change will he have left? Show your working out.