

Max's Market Multiplication Challenge

Learning objective: To multiply two-digit and three-digit numbers by a one-digit number using formal written layout.

Read the story below and help Max solve his market math puzzles. Show your working out clearly in the space provided.

Max the monkey is helping at the local village market. He is in charge of sorting the produce to make sure every stall has enough supplies. Max loves using math to solve problems! Today, he has four main jobs to finish before the market opens at nine o'clock. He needs to calculate the cost of fruit baskets, boxes of seeds, jars of honey, and bundles of colorful ribbon. Max knows that if he uses his times tables and the column method, he can find the total for each item very quickly.

Word bank: multiplication · product · column method · partitioning · estimate · total

1. Each basket of apples costs £12. Max needs to buy 6 baskets for the fruit stall. What is the total cost of the apples? (2 marks)

2. A box of wildflower seeds costs £24. If Max buys 4 boxes, how much money will he spend in total? (2 marks)

3. Bea the honeybee has 7 jars of lavender honey. Each jar costs £15. Calculate the total cost of all the jars. (2 marks)

4. Max finds 3 crates of carrots. Each crate contains 125 carrots. How many carrots are there altogether? (3 marks)

5. Explain how you checked your answer for the carrot calculation. Did you use an estimate? (2 marks)

Draw: Draw a picture of Max the monkey standing at a market stall with stacks of fruit boxes, showing how he organizes his items into groups.



Extension challenge: Max has £100 to spend on supplies. He wants to buy 5 bundles of ribbon that cost £18 each. Does he have enough money left to buy a bag of oranges for £12? Show your calculations.