

Max's Easter Market Challenge

Learning objective: To apply multiplicative reasoning, decimal addition, and multi-step problem solving within a real-world financial context.

Help Max the monkey organise the Forest Spring Market. Read the price list carefully and show all your working out for each calculation. Remember to include the £ sign in your final answers.

Max is busy calculating the costs for the annual Forest Spring Market. He has a stall selling hand-painted wooden eggs and packets of wildflower seeds. An egg costs £2.45 and a packet of seeds costs £1.75. Leo the lion wants to buy 4 eggs for his friends. Bea the bee is buying 6 packets of seeds to plant in the meadow. Max has a starting float of £50.00 in his cash tin. He needs to track how much money he makes and ensure he has enough change for his customers.

Word bank: multiplication · decimal · calculate · total · remainder · budget · estimate · profit

1. Leo buys 4 eggs. Calculate the total cost for Leo. If he pays with a £20 note, how much change should Max give him? (3 marks)

2. Bea buys 6 packets of seeds. How much does she spend in total? Show your multiplication method clearly. (2 marks)

3. Max sold 12 eggs and 8 packets of seeds in the first hour. What is the total revenue (money taken) for the first hour? (3 marks)

4. Explain why it is important for Max to calculate the total change correctly before handing it over to his customers. Use mathematical terminology in your answer. (2 marks)

5. Compare the cost of 5 eggs to the cost of 7 packets of seeds. Which is more expensive and by how much? (3 marks)

6. Justify your answer: If Max increases the price of an egg to £2.95, how much extra profit will he make if he still sells 20 eggs? (3 marks)

Draw: Draw a bird's-eye view of Max's market stall, including labels for the prices of the eggs and seeds, ensuring the layout is symmetrical.



Extension challenge: What might happen to Max's total profit if he decided to offer a 'bundle deal' of 3 eggs for £6.50 instead of £2.45 each? Write a short report justifying whether this is a good business decision for the Forest Market.