

Max's Market Maths Challenge

Learning objective: To solve multi-step problems involving money, including calculating change and total costs using decimals.

Read the story about Max's shopping trip to the community market. Use your maths skills to calculate the costs and work out the change. Show your working out clearly.

Max the monkey is helping his friends at the community market. He has a budget of £50.00 to buy supplies for a school picnic. He visits the local fruit stall and buys 4 kilograms of apples at £1.45 per kilogram. Next, he visits the bakery and selects a large loaf of crusty bread for £2.80 and 6 berry muffins priced at £1.20 each. Finally, he buys a large bottle of apple juice for £3.75. Max needs to ensure he stays within his budget and calculates how much change he should receive from his £50.00 note.

Word bank: calculate · decimal · remainder · transaction · total · budget

1. Calculate the total cost of the 4 kilograms of apples. (1 mark)

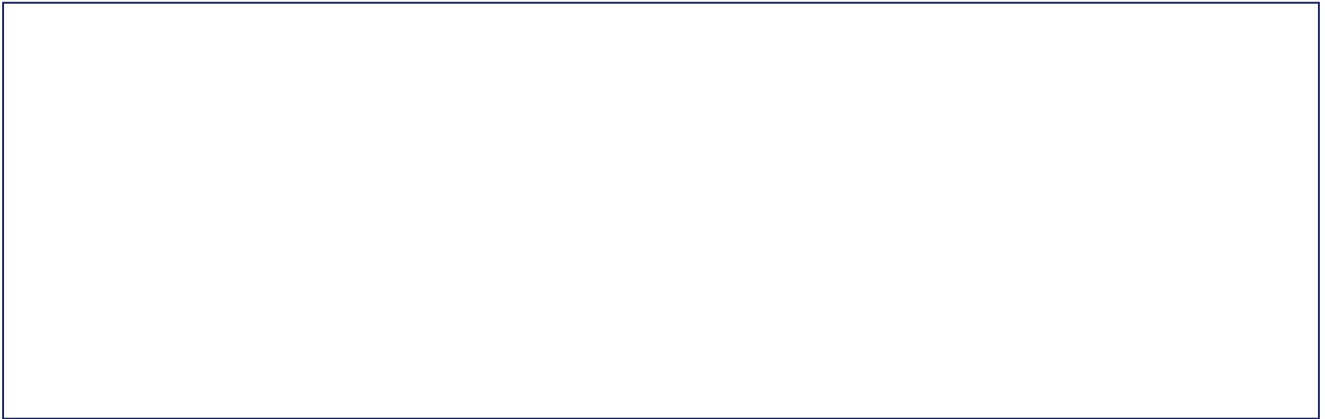
2. What is the total cost of the 6 berry muffins? (1 mark)

3. Calculate the total cost of all the items Max purchased at the market. (2 marks)

4. If Max pays with a £50.00 note, how much change should he receive? (2 marks)

5. Max decides he also wants to buy a bunch of bananas for £2.15. Does he have enough money left in his change to pay for them? Explain your reasoning. (2 marks)

Draw: Draw a basket filled with the items Max bought at the market and write the total price of the basket on a tag attached to the handle.



Extension challenge: If Max wants to split the total cost of the picnic equally between 5 friends, how much should each friend contribute? Provide your answer in pounds and pence.