

## Max's Market Stall Challenge

*Learning objective: To solve complex multi-step problems involving addition, subtraction, and estimation using rupees and paise.*

Max the monkey is helping at the local community market. He has a set budget of £20.00 to buy ingredients for a fruit salad. Use the table of prices below to complete the challenges. Show your working out clearly for each calculation.

*Word bank: estimate · total · budget · change · remainder · value · decimal point · pence*

**1. Max wants to buy 3 punnets of strawberries at £2.45 each and 2 bags of apples at £1.80 each. Calculate the total cost of his shopping. How much change will he receive from his £20.00 note? (3 marks)**

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**2. If Max decides to swap the apples for 4 bunches of grapes at £1.25 each, explain why his total spend will increase. Calculate the new total. (3 marks)**

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**3. Max has £5.50 left. He wants to buy as many individual mangoes as possible, which cost 85p each. How many can he buy and how much money will he have remaining? (3 marks)**

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**4. Justify your answer: If the price of strawberries increased by 50p per punnet, would Max still be able to afford his original shopping list of 3 punnets and 2 bags of apples? Show your calculation. (3 marks)**

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**5. Compare and contrast: Why is it important to use a decimal point when writing money amounts like £2.45 compared to just writing 245p? (2 marks)**

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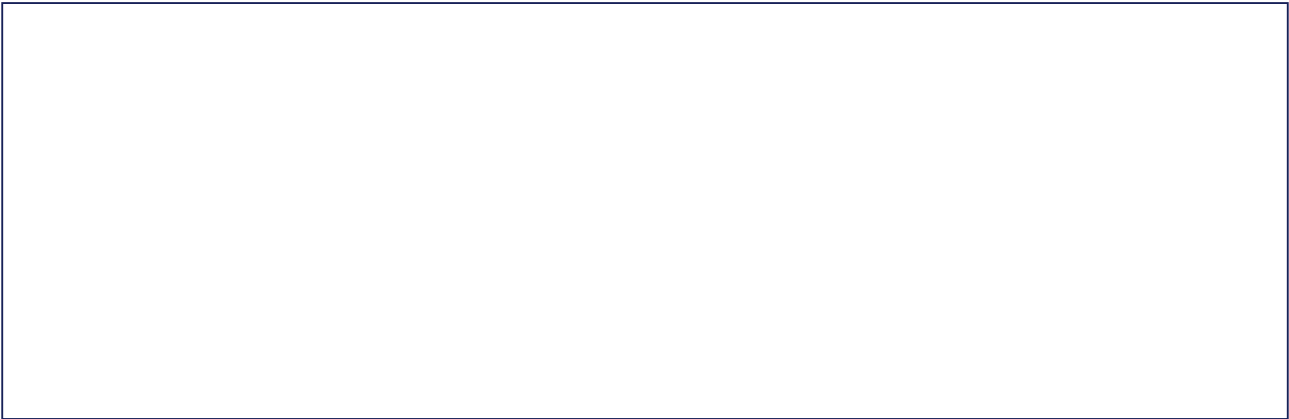
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**6. What might happen if Max misread a price tag of £1.05 as £1.50? How would this affect his final budget calculation? (2 marks)**

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**Draw:** Draw a creative 'Fruit Price List' for Max's stall, including at least five items with prices in rupees and paise, ensuring the total cost of one of each item is exactly £10.00.



*Extension challenge: Design a 'Budget Menu' for a school party. You have a budget of £50.00. Create a list of 6 items you would buy, calculate the total cost, and explain how you would manage the money if the shop suddenly announced a 10% discount on all fruit items.*