

Max's Market Measurement Mission

Learning objective: To choose and use appropriate standard units to estimate and measure length, height, and mass in pounds and pence.

Help Max the monkey organise the items at the local market. Use a ruler to measure lengths in centimetres (cm) and a scale to measure mass in grams (g) or kilograms (kg). Remember to use the £ symbol when calculating the cost of your items.

Word bank: centimetres · metres · grams · kilograms · total cost · estimate · measure · heavier · lighter

1. Item 1: Choose a fruit or vegetable from the market. Estimate its length in centimetres, then measure it carefully with a ruler. What is the difference between your estimate and the actual measurement? (2 marks)

2. Item 2: Find two items. Use a balance scale to see which is heavier. Write down which item weighed more and explain why you think it is heavier. (2 marks)

3. Item 3: If an apple costs 40p and a bunch of bananas costs £1.20, calculate the total cost for both items. Show your working out. (3 marks)

4. Item 4: Max wants to buy a bag of flour that weighs 2kg. If he buys two bags, what is the total mass? If each bag costs £1.50, how much will he spend in total? (3 marks)

5. Item 5: Which piece of equipment would you use to measure the height of a sunflower? Would you measure it in centimetres or kilograms? Give a reason for your answer. (2 marks)

Extension challenge: Imagine you are opening your own market stall. Create a price list for three items using different amounts of pounds and pence. Ask a partner to calculate the total if a customer buys all three!