

Max's Market Measurement Mission

Learning objective: To choose and use appropriate standard units to estimate and measure length, height, and mass in Australian dollars and cents.

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 Australian dollars and cents. Ask a partner to calculate the total if a customer buys all three!