

Max's Market Stall: A Measurement Challenge

Learning objective: To measure, compare, add and subtract lengths, masses and volume/capacity, and to solve problems involving money.

Max the monkey is setting up a fruit stall! Use this template to help him organize his stock. Read the categories carefully and use your knowledge of units (cm, m, g, kg, ml, l) and money (£) to complete the details. Ensure your units are correct and your calculations for the total cost are accurate.

Word bank: centimetres · metres · grams · kilograms · millilitres · litres · total · difference · estimate · accurate

1. The Fruit Height: Choose three items for Max's stall. Measure or estimate their height in centimetres (cm). Explain how you would convert these into metres (m). (3 marks)

2. Heavy Lifting: Max has a crate of apples weighing 2kg and a crate of bananas weighing 1500g. Which crate is heavier? Calculate the difference in grams. (3 marks)

3. Juice Capacity: Max is selling bottles of juice. If he has a 2-liter jug and pours out 450ml, how much liquid is left in the jug? (3 marks)

4. Market Prices: If one bag of oranges costs £1.25 and a punnet of strawberries costs £2.10, what is the total cost for a customer buying one of each? (2 marks)

5. The Change Calculation: A customer buys items totalling £4.60. They pay with a £10 note. How much change should Max give them? (3 marks)

Extension challenge: Design a price tag for a new item on Max's stall. Write down its weight in grams and its price in dollars and cents. Ask a partner to calculate the cost if they wanted to buy three of that item.