

Max's Market Measurement Challenge

Learning objective: To measure, compare, add, and subtract lengths and mass using standard units (cm, m, g, kg).

Max the monkey is helping his friends at the local market. Read the prompts below to help Max calculate his measurements. Use a ruler for lengths and imagine you are using scales for mass. Remember to include units like cm, m, g, or kg in your answers.

Word bank: centimetres · metres · grams · kilograms · estimate · measure · difference · total

1. Max is buying a long piece of ribbon for Zara the zebra. If the ribbon is 150cm long, how many metres is that? Explain how you worked it out. (2 marks)

2. Pip the caterpillar has two apples. One weighs 150g and the other weighs 200g. What is the total mass of both apples in grams? (2 marks)

3. Bea the bee is gathering nectar. She has a jar that holds 1kg. If she has already collected 600g, how much more does she need to reach 1kg? (3 marks)

4. Kit the fox is measuring the height of a sunflower. It is 85cm tall. If it grows another 25cm next week, what will its new height be? (2 marks)

5. Max wants to buy a bag of flour that costs £2.50. If he has £5.00, how much change will he get? Write your answer in pounds and pence. (2 marks)

Extension challenge: Find three objects in your classroom or at home. Estimate their length in centimetres, then measure them accurately with a ruler. Create a table to show the difference between your estimate and the actual measurement.