

Max's Market Measurement Challenge

Learning objective: To measure, compare, and solve problems involving lengths, heights, and money using standard units (cm, m, £).

Max the monkey is helping at the local market today! He needs to measure the items for sale and calculate their prices. Use your ruler to help Max solve these maths puzzles. For each question, decide if you would measure the item in centimetres (cm) or metres (m), then solve the money problem.

Word bank: centimetres · metres · ruler · pence · pounds · total · length

1. Max is selling a shiny red apple. It is 8cm long. If one apple costs 30p, how much would 3 apples cost? Show your working. (2 marks)

2. A wooden bench at the market is 2 metres long. If the bench costs £50, and Max has a £100 note, how much change should he give back? (2 marks)

3. Would you use a ruler to measure the length of a carrot or the height of a garden fence? Explain why. (2 marks)

4. A bunch of carrots costs 45p. A bag of potatoes costs 55p. What is the total cost of both items? (2 marks)

5. Max finds a piece of ribbon that is 20cm long. He cuts it into two equal pieces. How long is each piece? (2 marks)

Draw: Draw a picture of Max the monkey standing next to a market stall. Draw one item that is longer than 10cm and one item that is shorter than 10cm, and label them with their measurements.



Extension challenge: Find three objects in your classroom or at home. Measure them using a ruler in centimetres. Write down the name of the object and its length. If you could buy these items for 10p for every centimetre, how much would each one cost?