

Grade 4 Measurement Assessment: Max's Market Calculations

Learning objective: To convert between units of measurement, calculate perimeter and area, and solve problems involving money and volume.

Read each question carefully. Show your working out for all calculations. Ensure you use the correct units (cm, m, kg, g, ml, l, £) in your final answers.

Max the monkey is helping at the local community market. He needs to weigh fruit, measure stall spaces, and track the money earned to help the stallholders keep their accounts tidy.

Word bank: convert · perimeter · area · millilitres · kilograms · equivalent · decimal

1. Max has a bag of apples that weighs 2.4 kilograms. How many grams is this? Explain how you found your answer. (2 marks)

2. A rectangular vegetable stall has a length of 4 metres and a width of 3.5 metres. Calculate the perimeter of the stall. (2 marks)

3. The same vegetable stall has an area of 14 square metres. If a new flower stall is built with a length of 5 metres and a width of 4 metres, which stall has the larger area and by how much? (3 marks)

4. Max sells bottles of honey. Each bottle holds 250 millilitres. If he sells 6 bottles, how many litres of honey has he sold in total? (3 marks)

5. A punnet of strawberries costs £2.45. If a customer buys 4 punnets and pays with a £20 note, how much change should Max give back? (3 marks)

6. Max is comparing two bags of oranges. Bag A weighs 1,200g and Bag B weighs 1.5kg. Which bag is heavier and why? Show your conversion calculation. (4 marks)

7. Max wants to build a new wooden fence around a square garden. Each side of the garden is 6.5 metres long. The wood costs £12 per meter. Write a step-by-step explanation of how to calculate the total cost for the fencing. Include the total cost in your answer. (8 marks)

Draw: Draw a rectangular stall with a length of 6cm and a width of 4cm. Label the sides and write the area of the stall inside your drawing.



Extension challenge: Total: /25