

Grade 3 Mathematics Assessment: Measurement Mastery

Learning objective: To assess understanding of converting units of length, mass, and volume, calculating perimeters, and solving problems involving money.

Read each question carefully. Show your working out for multi-step problems. Use the correct units (cm, m, km, g, kg, ml, l, £, p) in your final answers.

Max the monkey is helping his friends prepare for a forest festival. He needs to measure ingredients for fruit salad, calculate the perimeter of the dance floor, and ensure everyone has enough coins for the ticket stall.

Word bank: perimeter · conversion · centimetres · kilograms · millilitres · total · difference

1. Max has a piece of ribbon that is 250cm long. How many metres is this? Show your conversion. (2 marks)

2. Bea the honeybee collects nectar. If she collects 1,500ml of nectar in the morning and 700ml in the afternoon, how many litres and millilitres does she have in total? (3 marks)

3. Zara the zebra is painting a rectangular border for a picture. The length is 12cm and the width is 8cm. Calculate the perimeter of the rectangle. (3 marks)

4. Leo the lion buys four bags of sunflower seeds for the festival. Each bag costs £2.45. How much does he spend in total? Use the column method or partitioning to show your work. (4 marks)

5. Finn the dolphin is mapping a swim route. He swims 3km in the morning and 2,500 metres in the afternoon. Which part of the swim was longer, and by how many metres? (4 marks)

6. Explain the steps you would take to find the perimeter of an irregular polygon shape. Why is it important to make sure all measurements are in the same unit before you start adding them together? (5 marks)

7. Kit the fox has £10.00. He buys a notebook for £3.20 and a set of pens for £4.55. How much change does he receive? (4 marks)

Draw: Draw a rectangle with a perimeter of 20cm on the squared paper below. Label the length and width of your rectangle.



Extension challenge: Total: /25