

## Max's Measurement Challenge

*Learning objective: To assess understanding of length, height, mass, and capacity using standard units of measurement (cm, m, g, kg, ml, l) and money (£).*

Read each question carefully. Show your working out where possible. Remember to include the correct units of measurement in your answers.

Max the monkey is helping his friends at the BookFlik forest market today. He is using his scales, measuring tapes, and jugs to help everyone prepare for the Great Forest Picnic.

*Word bank: centimetres · metres · grams · kilograms · millilitres · litres · heavier · lighter*

**1. Max measures a bunch of bananas. They weigh 400g. Pip the caterpillar adds another 200g of grapes to the scale. What is the total mass of the fruit in grams? (2 marks)**

**2. Zara the zebra is painting a banner. She needs a piece of ribbon that is 25cm long. She already has a piece that is 10cm long. How many more centimetres does she need to cut? (2 marks)**

**3. Nova the owl has a bottle of water that holds 1 litre. If she pours out 300ml for her friends, how much water is left in the bottle in millilitres? (3 marks)**

**4. Max sees two bags of nuts. Bag A weighs 2kg and Bag B weighs 5kg. Which bag is heavier? How much heavier is it than the other bag? (3 marks)**

**5. Leo the lion buys 3 apples. Each apple costs £1. How much does Leo spend in total? If he pays with a £5 note, how much change should he receive? (4 marks)**

**6. Max wants to build a bridge across a small stream. He measures the distance and finds it is 4 metres wide. He has a plank that is 3 metres long. Explain why the plank is not long enough and how many more metres he needs to reach the other side. (6 marks)**

**7. Write a short story about how you would measure the height of a sunflower. Mention which tool you would use and why standard units like centimetres are important so that everyone understands your measurement. (5 marks)**

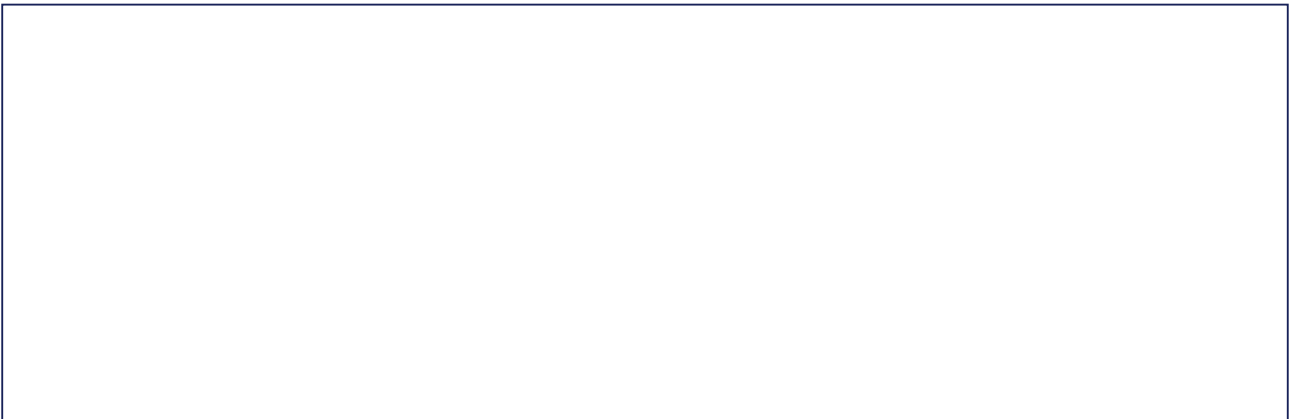
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**Draw: Draw a set of balance scales. On one side, draw a 500g weight. On the other side, draw an object that you think weighs the same amount.**



*Extension challenge: Total: /25*