

Max's Measurement Mission: Planning a Party

Learning objective: To convert between different units of metric measurement (kilometres, metres, centimetres, millimetres, kilograms, grams, litres, and millilitres) in the context of solving problems.

Max the monkey is helping to organise a forest feast! Use your knowledge of metric measurements to complete this task. Read each section carefully, show your working out, and remember to include the correct units (e.g., kg, g, ml, l, cm, m) in your final answers.

Word bank: convert · equivalent · metric · capacity · mass · length · calculation · units

1. The Fruit Delivery: Max ordered 4.5kg of bananas. If he splits them into 10 equal bags for his friends, what is the mass of each bag in grams? Show your calculation. (3 marks)

2. Decorating the Trees: Zara the zebra is hanging banners. She has a string that is 8 metres long. She cuts off 350 centimetres for the first tree. How many centimetres of string are left? (3 marks)

3. Refreshing Drinks: Max has a large barrel containing 12 litres of juice. He wants to fill cups that hold 200 millilitres each. How many cups can he fill? Explain your steps. (4 marks)

4. The Journey to the Feast: Leo the lion travels 2.8 kilometres to get to the party. He stops to rest after 1,200 metres. How many metres does he have left to walk? (3 marks)

5. Budgeting for Snacks: If a 500g bag of nuts costs £2.50, how much would it cost to buy 2 kilograms of nuts? Show your working out. (3 marks)

Extension challenge: Challenge: If Max decided to invite double the amount of friends, write a new word problem involving the conversion of litres to millilitres that he would need to solve to ensure everyone has a drink.