

Max's Market Stall Challenge

Learning objective: To convert between different units of metric measurement and solve multi-step problems involving money and mass.

Max the monkey is helping at the local village market. He needs to weigh his fruit and calculate the total price, but he often gets his units muddled! Use your knowledge of metric conversions ($1\text{kg} = 1000\text{g}$) to help Max sort the produce and calculate the costs. Fill in the missing values in the table below.

Word bank: kilograms · grams · conversion · total · decimal · price

1. Max has 2.5kg of apples. If he sells them for £2.00 per kilogram, what is the total price? Show your calculation. (2 marks)

2. A punnet of strawberries weighs 450g. How many kilograms is this? Write your answer as a decimal. (2 marks)

3. Max has a bag of pears weighing 1,200g. He sells them for £3.00 per kilogram. How much should he charge for the whole bag? (2 marks)

4. If Max has 3kg of bananas and sells half of them, how many grams of bananas does he have left? (2 marks)

5. Max sells 750g of plums at £4.00 per kilogram. Calculate the cost of the plums. (2 marks)

Draw: Draw a set of kitchen scales showing exactly 1.25kg of fruit sitting on the tray.



Extension challenge: Imagine Max has a crate that holds 5kg of fruit. If he fills it with oranges that cost £2.00 per kg, and he adds a 50p discount for the whole crate, how much would a customer pay? Explain your working out.