

Max the Monkey's Market Adventure

Learning objective: To solve problems involving the conversion of units of measurement and calculating totals using money.

Read the story about Max's trip to the market and answer the questions below. Remember to show your working out.

Max the monkey is very excited because it is market day in the jungle. He has a list of items to buy for the BookFlik picnic. First, Max visits the fruit stall. He buys 2 kilograms of bananas at £1.50 per kilogram. Next, he goes to the juice stand. He buys a large bottle containing 2,000 millilitres of fresh orange juice, which costs £3.20. Finally, Max buys a bag of honey-roasted nuts that weighs 500 grams. The nuts cost £2.40. Max is very careful with his maths; he knows that 1,000 grams make 1 kilogram and 1,000 millilitres make 1 litre. He wants to make sure he has enough for all his friends.

Word bank: convert · millilitres · grams · kilograms · total · calculate · measurement

1. How much does Max spend in total on the bananas? Show your calculation. (2 marks)

2. The juice bottle contains 2,000 millilitres. How many litres of orange juice did Max buy? (1 mark)

3. If Max buys another 500 grams of nuts, what would be the total weight of his nuts in kilograms? (2 marks)

4. Calculate the total cost of all three items on Max's shopping list (bananas, juice, and nuts). (2 marks)

5. Max has a £10 note. After buying all his items, how much change should he receive? (2 marks)

Draw: Draw a picture of Max the monkey carrying his shopping basket filled with the fruit, the juice bottle, and the bag of nuts, labelling each item with its correct measurement.



Extension challenge: If Max decides to buy 100g of dried mangoes for 80p, how much would 500g of mangoes cost? Write down the steps you took to solve this.