

Max's Market Stall Statistics

Learning objective: To interpret and present data using bar charts and tables, and to solve comparison and sum/difference problems.

Max the monkey is helping at the local community market. He needs to record how many pieces of fruit were sold this morning. Use the data you have collected to complete this report, create a tally chart, and answer the maths questions below to help Max balance his accounts.

Word bank: tally · frequency · total · bar chart · difference · axis · data · Australian dollars and cents

1. The Tally Table: Create a tally chart for three different types of fruit sold. Include a column for the 'Total' (frequency) of each fruit sold. (3 marks)

2. The Bar Chart: Describe how you would label the two axes on a bar chart to show this fruit data. Which axis will show the types of fruit and which will show the number sold? (2 marks)

3. Calculating Totals: If each apple costs £0.20 and you sold 10 apples, what is the total amount of money made from apple sales? Show your working. (2 marks)

4. Comparison Problem: If Max sold 15 bananas and 8 oranges, what is the difference between the number of bananas and oranges sold? Write a sentence explaining your answer. (2 marks)

5. Data Analysis: Look at your completed tally. Which fruit was the most popular, and how many more were sold compared to the least popular fruit? (2 marks)

Extension challenge: Imagine Max decides to sell a new fruit, like a pear, for £0.35. If he sells 5 pears, calculate the total profit and explain how you would add this new data to your bar chart.