

Max's Market Stall: Statistics and Charts

Learning objective: To interpret and present data using bar charts and pictograms, and solve problems using information presented in tables.

Read the data table below carefully and use it to answer the questions. Max the monkey has been busy counting the fruit sold at his local community stall today.

Max has recorded his fruit sales for the morning. He sold 12 apples, 8 pears, 15 bananas, and 5 oranges. He wants to organise this information to help him plan for next week. Help Max understand his sales by answering the questions based on his records.

Word bank: data · frequency · bar chart · pictogram · total · axis · interval

1. Using the data Max collected, which fruit was the most popular, and how many were sold? (2 marks)

2. What is the difference in the number of apples sold compared to the number of oranges sold? (2 marks)

3. If Max sold each apple for £1 and each pear for £2, what was the total amount of money he made from selling just apples and pears? (3 marks)

4. Max wants to draw a bar chart to show his sales. If he chooses a scale where each square on the vertical axis represents 2 pieces of fruit, how many squares high would the bar for bananas need to be? (2 marks)

5. Explain why it is helpful for Max to record his sales data in a table instead of just remembering them in his head. (2 marks)

Draw: Draw a bar chart based on Max's fruit sales. Remember to label your axes clearly: 'Type of Fruit' on the horizontal axis and 'Number Sold' on the vertical axis.



Extension challenge: Max decides to lower the price of oranges to 50p each next week. If he sells 20 oranges at this new price, how much money will he make? Compare this to his current total earnings for oranges.