Max’s Market Day Statistics

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

Read the table below showing the fruit sold at the school market. Use the information to answer the questions. Remember to show your working out for the calculation questions.

Max the monkey is helping at the school fruit market to raise money for new books. He kept a tally of how many items were sold during the morning: Apples: 25, Bananas: 32, Oranges: 18, Pears: 12. Each apple cost 20p, each banana cost 15p, each orange cost 30p, and each pear cost 25p.

Word bank: data · frequency · total · difference · bar chart · pictogram

1. How many pieces of fruit were sold altogether? (2 marks)

2. What is the difference between the number of bananas sold and the number of pears sold? (2 marks)

3. If Max wants to show this data in a bar chart, what would be a sensible scale to use on the vertical axis (y-axis)? Explain why. (2 marks)

4. Calculate the total money made from selling the apples. Remember to write your answer in pounds (£). (2 marks)

5. Which fruit was the least popular, and how many fewer of that fruit were sold compared to the most popular fruit? (2 marks)

Draw: Draw a bar chart to represent the fruit sales, ensuring your axes are clearly labelled with the fruit names and the number of items sold.

Extension challenge: Max decides to add a new fruit: Strawberries. If he sells 40 strawberries and makes £10.00 total from them, how much does one strawberry cost? Show your calculation.