Max’s Fruit Stall Statistics

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

Read the information about the fruit Max sold at the school market, then use it to answer the questions below. Remember to look carefully at the scale on the charts.

Max the monkey is helping the school market sell fruit. He kept a record of how many pieces of fruit were sold during the morning. Each symbol on the pictogram represents 2 pieces of fruit. Apples: 10 sold. Bananas: 8 sold. Oranges: 6 sold. Pears: 4 sold. Max also noted the prices: Apples are 30p each, Bananas are 20p each, Oranges are 40p each, and Pears are 25p each.

Word bank: tally · frequency · total · pictogram · data · bar chart · scale · interval

1. Using the data provided, draw a pictogram where one circle symbol represents 2 pieces of fruit sold. How many circles will you draw for the Apples? (2 marks)

2. Which fruit was the most popular, and how many were sold in total? (2 marks)

3. How many more Apples were sold than Pears? (2 marks)

4. If a customer buys 2 Bananas, how much will they spend in total? Show your working out. (3 marks)

5. Max wants to create a bar chart for this data. If the scale on the y-axis goes up in intervals of 2, how high would the bar for Oranges reach? (2 marks)

Draw: Draw a bar chart showing the fruit sales. Label the bottom axis with the fruit names and the side axis with the number of pieces sold, counting in 2s.

Extension challenge: Max decides to lower the price of Pears by 5p. If he sells 4 Pears at the new price, what is the total amount of money he makes from those Pears? Explain how you calculated the total.