Max’s Market Day Statistics

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

Read the data carefully and use your maths skills to answer the questions below. Remember to include units like £ or items where needed.

Max the monkey has been helping at the local fruit stall. He kept a tally of the fruit sold during the morning: Apples: 12, Bananas: 18, Oranges: 9, Pears: 6. Each apple costs 30p, each banana costs 20p, each orange costs 40p, and each pear costs 50p.

Word bank: tally chart · frequency · bar chart · pictogram · axis · scale · total · difference

1. Using the data from the passage, create a frequency table showing the number of each fruit sold. (2 marks)

2. What is the total number of pieces of fruit sold by Max? Show your working. (2 marks)

3. How much money did Max make from selling the bananas? Give your answer in £. (2 marks)

4. What is the difference in the number of bananas sold compared to the number of pears sold? (1 mark)

5. If Max were to draw a bar chart to represent this data, what would be a sensible scale to use on the y-axis (the vertical axis) and why? (2 marks)

Draw: Draw a bar chart representing the fruit sales. Remember to label both axes, give your chart a title, and use a clear scale.

Extension challenge: Max finds out that 5 more apples were sold in the afternoon. If the price of an apple stays at 30p, how much more money does the stall make in the afternoon compared to the morning sales for apples?