Max’s Market Stall Statistics

Learning objective: To interpret, present and compare data using bar charts, pictograms, and tables.

Max the monkey is helping at the local village market. He has kept a tally of the fruit sold during the morning. Use the data in the table below to complete the bar chart and answer the questions.

Table of fruit sold:
Apples: 12
Bananas: 18
Oranges: 9
Pears: 6

1. Draw the bars on the chart for each fruit.
2. Calculate the total number of items sold.
3. Solve the comparison problems below.

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

1. If apples cost £1 and bananas cost £2, how much money did Max make from selling all the apples and all the bananas combined? (2 marks)

2. How many more bananas were sold than pears? (1 mark)

3. Max decides to display his data on a pictogram. If one symbol represents 3 pieces of fruit, how many symbols would he need to draw for the oranges? (2 marks)

4. What is the total number of pieces of fruit sold at the stall altogether? (1 mark)

5. Explain why it is important to label the axes on a bar chart. (2 marks)

Draw: Draw a bar chart on squared paper with 'Fruit Type' on the horizontal axis and 'Number Sold' on the vertical axis. Use a scale of 2 for each interval.

Extension challenge: Max finds 5 more oranges in a hidden box. If he sells these for 50p each, how much extra money does he make, and how does this change the total frequency of oranges in his table?