

Max's Market Stall Statistics

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

Help Max the monkey organise his fruit stall data. Read the information below and use it to answer the questions. Make sure to look carefully at the scales on the charts.

Max the monkey has been selling fruit at the local market all morning. He kept a tally of his sales to see which fruit was the most popular. He sold 12 apples, 8 bananas, 16 oranges, and 4 pears. Each fruit cost £1. Max wants to create a bar chart to show his customers how successful his day has been. He decides that each square on his vertical axis will represent 2 pieces of fruit.

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

1. If Max represents his fruit sales on a bar chart, how many squares high should the bar for oranges be? Explain how you worked this out. (2 marks)

2. Max sold his fruit for £1 each. Based on the numbers in the passage, what was the total amount of money Max made in pounds (£)? (2 marks)

3. Create a simple pictogram key where one circle symbol represents 4 pieces of fruit. How many symbols would you need to draw for the bananas? (2 marks)

4. Which two fruits combined resulted in the same number of sales as the oranges? (2 marks)

5. If Max sold 6 more pears in the afternoon, what would be the new total number of fruits sold altogether? (2 marks)

Draw: Draw a bar chart on squared paper to show Max's sales. Remember to label the bottom axis with the fruit names and the side axis with the numbers 0 to 16.



Extension challenge: Max decides to lower the price of pears to 50p. If he sells 10 pears at this new price, how much money will he make from just the pears? Write your answer in pounds and pence.