

Max's Market Stall Statistics

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

Read the story about Max's market stall, study the data table, and answer the questions below to help Max organise his shop.

Max the monkey has opened a fruit stall at the local community market to raise money for new books. He spent the morning selling different types of fruit. To keep track of his sales, he created a table showing how many pieces of each fruit he sold by lunchtime.

Fruit Sales Table:

- Apples: 18
- Bananas: 25
- Oranges: 12
- Pears: 15

Max wants to create a bar chart to show this information to his friends. He needs to choose a scale that fits his paper. He also noticed that a single banana costs 20p, while a single apple costs 30p.

Word bank: tally chart · frequency · bar chart · data · total · difference · scale

1. Using the data in the table, what was the total number of pieces of fruit that Max sold altogether? (2 marks)

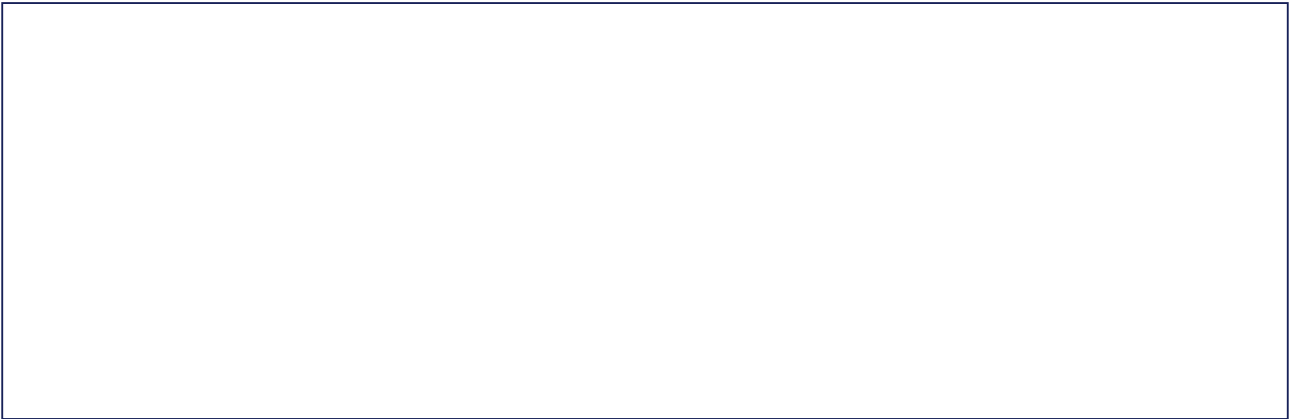
2. What is the difference between the number of bananas sold and the number of oranges sold? (2 marks)

3. If Max decides to draw a bar chart, what would be a sensible scale to use on the vertical axis (e.g., counting in 1s, 2s, or 5s)? Explain why. (2 marks)

4. Max sold 25 bananas at 20p each. How much money did he make from the bananas? Show your working. (3 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 based on Max's fruit sales. Remember to label your axes: 'Type of Fruit' on the bottom and 'Number Sold' up the side. Give your chart a title.



Extension challenge: Max decides to lower the price of oranges to 15p. If he sells 10 more oranges tomorrow at this new price, how much extra money will he have made? Write down your calculation.