

Max's Market Stall: Statistics and Data

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

Read the data provided by Max the monkey about his fruit stall sales. Use the information to answer the questions below. Remember to show your working for any calculations involving money.

Max the monkey has been running a fruit stall at the local village fair to raise money for new library books. He has kept a careful record of the number of fruit baskets sold over four days. On Monday, he sold 12 baskets. On Tuesday, sales increased to 20 baskets. On Wednesday, he sold 15 baskets, and on Thursday, he sold 23 baskets. Each fruit basket costs exactly £4.50 to buy.

Word bank: data · frequency · axis · table · interval · total · difference

1. Using the data provided, create a frequency table showing the number of baskets sold each day. (3 marks)

2. What was the total number of baskets sold by Max over the four days? (1 mark)

3. Calculate the total amount of money Max earned from selling fruit baskets on Tuesday. Show your calculation. (2 marks)

4. What is the difference between the number of baskets sold on Thursday and the number sold on Monday? (1 mark)

5. If Max wants to sell a total of 100 baskets by the end of the week, how many more baskets does he need to sell after Thursday? (2 marks)

Draw: Draw a bar chart to represent the number of fruit baskets sold by Max from Monday to Thursday. Remember to label the x-axis with the days of the week and the y-axis with the number of baskets.



Extension challenge: Imagine Max starts selling a second item, 'Monkey Munch' snack packs, for £2.25 each. If he sells 10 snack packs on Friday, how much total money has he made from fruit baskets and snack packs combined by the end of Friday?