

Max's Market Stall Statistics

Learning objective: To interpret and present data using pictograms and bar charts to solve one-step and two-step problems.

Max the monkey is helping at the local community market. Use this template to record the items he sells throughout the morning. Fill in the tally chart, draw a bar chart, and answer the questions to help Max balance his accounts.

Word bank: tally · total · frequency · bar chart · pictogram · axis · scale · most popular · least popular

1. Market Tally: Create a list of 4 items Max might sell (e.g., apples, bananas) and draw your tally marks for the number of items sold. (3 marks)

2. Data Table: Write the total frequency for each item you listed in the tally box above. (2 marks)

3. Bar Chart Labels: If you were to draw a bar chart for this data, what labels would you put on the horizontal (x) axis and the vertical (y) axis? (2 marks)

4. Problem Solving: If apples cost £1 and bananas cost £2, calculate the total amount of money Max made from these two items. (3 marks)

5. Conclusion: Which item was the most popular, and how do you know by looking at your data? (2 marks)

Extension challenge: Imagine Max sells a new item for 50p. If he sells 10 of them, how much money would he have in total? Write a number sentence to show your working out.