

Max's Market Stall Statistics

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

Max the monkey has been helping at the local fruit stall. He has recorded the number of items sold on Saturday in the table below. Use the data to complete the bar chart grid provided. Each block on your grid represents 2 items sold. Once your chart is complete, answer the questions below.

Word bank: Data · Scale · Frequency · Total · Pictogram · Bar chart

1. Max sold 12 apples. How many blocks will you colour in on your bar chart to show this? Explain how you know. (2 marks)

2. If bananas cost £1 each and Max sold 8 of them, how much money did he make from the bananas? (2 marks)

3. Looking at your completed chart, which fruit was the most popular, and how many were sold? (2 marks)

4. Max sold 6 oranges and 10 pears. What is the total number of oranges and pears sold altogether? (2 marks)

5. If each plum costs £2, and Max sold 4 plums, how much did he make in total from the plums? (2 marks)

Draw: Draw a bar chart on squared paper where the y-axis (vertical) goes up in 2s (0, 2, 4, 6, 8, 10, 12, 14) and the x-axis (horizontal) labels the fruit: Apples (12), Bananas (8), Oranges (6), Pears (10), and Plums (4).



Extension challenge: Create your own tally chart for the fruit in your school lunchbox this week. Can you turn your tally chart into a pictogram where one symbol equals 2 pieces of fruit?