Max’s Market Stall Statistics

Learning objective: To interpret and solve comparison, sum, and difference problems using data presented in a two-way table.

Max the monkey is helping his friends at the community market. He has created a table to track how many items they sold on Saturday morning. Study the table below carefully, then use the data to solve the math problems. Show your working out clearly.

Max's Market Sales Table: | Item | Pip's Books | Ellie's Oranges | Total | | :--- | :--- | :--- | :--- | | Morning | 14 | 25 | ? | | Afternoon | 18 | 12 | ? | | Total | ? | ? | ? |

Word bank: Total · Difference · Sum · Frequency · Data · Table

1. Calculate the total number of items sold by Pip and Ellie combined during the Morning session. (2 marks)

2. What is the difference between the number of books Pip sold in the afternoon and the number of oranges Ellie sold in the afternoon? (2 marks)

3. How many items did Pip sell in total throughout the whole day? (2 marks)

4. If each book costs £3 and each orange costs £1, what was the total value of sales made during the Morning session? (3 marks)

5. Max says: 'We sold more items in the afternoon than in the morning.' Is Max correct? Explain your reasoning using the table data. (2 marks)

Draw: Draw a simple bar chart representing the total sales for the Morning versus the Afternoon, using your calculated totals from the table.

Extension challenge: Imagine Ellie decides to lower the price of her oranges to 80p each for the next market. If she sells the same amount of oranges in the morning, how much money would she make? Show your calculation.