

Max's Market Data Challenge

Learning objective: To interpret and present data using line graphs, tables, and two-way tables, and to solve comparison, sum, and difference problems using information presented in a line graph.

Read the data provided in the tables carefully and use your maths skills to solve the problems. Max the monkey needs your help to organise his fruit stall records!

Max has been tracking the sales of fruit at the woodland market over five days.

Table 1: Daily Fruit Sales (Number of items sold)

Day | Apples | Bananas | Pears

Monday | 12 | 25 | 8

Tuesday | 15 | 22 | 10

Wednesday | 10 | 30 | 5

Thursday | 20 | 18 | 12

Friday | 25 | 20 | 15

Table 2: Price per item

Item | Price

Apple | £0.40

Banana | £0.25

Pears | £0.50

Word bank: line graph · data · frequency · axis · interval · total · difference

1. Using Table 1, calculate the total number of bananas sold across the five days. (1 mark)

2. What is the difference between the number of apples sold on Friday and the number of apples sold on Wednesday? (2 marks)

3. Max sold 10 pears on Tuesday. Using Table 2, calculate the total value of these pear sales in pounds. (2 marks)

4. On which day were the fewest total pieces of fruit (apples + bananas + pears) sold? (2 marks)

5. If Max wants to earn £10.00 from selling apples, how many apples would he need to sell based on the price in Table 2? (2 marks)

Draw: Draw a line graph on a piece of squared paper to represent the sales of apples from Monday to Friday. Ensure your x-axis is labelled with the days of the week and your y-axis shows the number of apples sold.



Extension challenge: Imagine Max introduces a new fruit, 'Oranges', which cost £0.60. If he sells 10 oranges on Saturday, how much money would he make? Create a table for Saturday's potential sales including Apples, Bananas, Pears, and Oranges.