

Max's Market Stall Statistics

Learning objective: To interpret and present data using bar charts and pictograms, and solve comparison, sum and difference problems using information presented in bar charts.

Read the information below about Max the monkey's fruit stall and answer the questions. Show your working out clearly.

Max the monkey has opened a fruit stall at the local village fair. He spent the morning recording how many pieces of fruit he sold. He sold 20 bananas, 15 apples, 10 oranges, and 5 pears. Max wants to create a display for his customers to see how well he is doing.

Word bank: bar chart · frequency · total · difference · pictogram · scale

1. Max decides to draw a bar chart to show his sales. If one square on the vertical axis represents 2 pieces of fruit, how many squares high should the bar for the bananas be? (1 mark)

2. How many pieces of fruit did Max sell in total? (1 mark)

3. What is the difference between the number of bananas sold and the number of pears sold? (2 marks)

4. Each banana costs 30p and each apple costs 40p. How much money did Max make from selling all the bananas and all the apples combined? (3 marks)

5. If Max decides to use a pictogram instead, and he uses the symbol ■ to represent 5 pieces of fruit, how many symbols would he need to draw for the oranges? (1 mark)

Draw: Draw a bar chart to represent the fruit sales mentioned in the passage. Remember to label your axes and give your chart a title.



Extension challenge: Max receives a new delivery of 12 plums. If he sells 4 plums, he will have sold the same amount of plums as pears. Write a calculation to show how many plums he would have left after these sales.