

## Max's Market Stall Statistics

*Learning objective: To interpret and present data using bar charts, pictograms, and tables, and solve comparison, sum, and difference problems.*

Read the information about Max the monkey's fruit stall and answer the questions below. Remember to look closely at the scale on the charts.

Max the monkey is running a fruit stall at the forest market. He keeps a record of the fruit he sells on Saturday morning:

Apples: 15  
Bananas: 25  
Oranges: 10  
Strawberries: 20

Max decides to show this in a pictogram. Each picture of a fruit represents 5 pieces of fruit sold.

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

**1. Using the data provided, how many fruit symbols would Max need to draw on his pictogram for the bananas? (1 mark)**

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**2. What is the total number of apples and oranges Max sold altogether? (2 marks)**

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**3. How many more bananas were sold than strawberries? (2 marks)**

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**4. If each apple costs £2, how much money did Max make from selling all 15 apples? (2 marks)**

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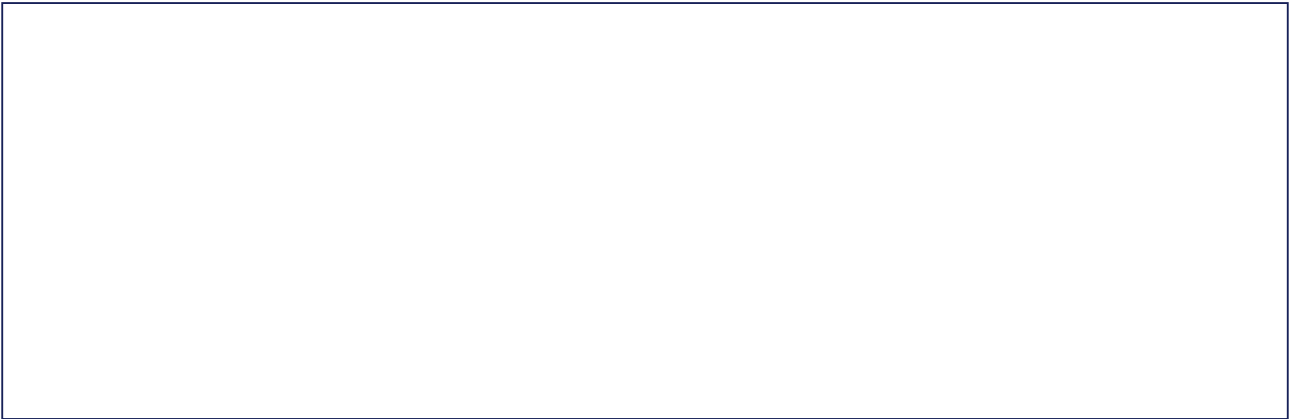
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5. Max wants to add a new category for 'Peaches'. If he sold 30 peaches, how many symbols would he need for that row on his pictogram? (1 mark)

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**Draw:** Draw a bar chart to represent Max's fruit sales. Ensure your y-axis (vertical) goes up in steps of 5 and label your x-axis (horizontal) with the fruit names.



*Extension challenge: Max finds out that he sold 5 extra bananas at the end of the day. If bananas now cost £1 each, calculate the new total amount of money earned from bananas and explain how this changes the 'difference' between banana sales and orange sales.*