

## Max's Market Stall Statistics

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

Read the data provided by Max the Monkey about his fruit market stall. Use the information to answer the questions below. Remember to show your working out for the calculation questions.

Max the Monkey has been keeping track of how many pieces of fruit he sold at the market on Saturday. He sold 25 apples, 15 bananas, 30 oranges, and 10 pears. He has decided to create a bar chart to show his sales. The scale on his bar chart goes up in intervals of 5.

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

**1. What is the total number of pieces of fruit that Max sold altogether? (2 marks)**

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**2. How many more oranges did Max sell than bananas? Show your calculation. (2 marks)**

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**3. If Max decides to draw a pictogram where one symbol represents 5 pieces of fruit, how many symbols would he need to draw for the apples? (1 mark)**

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**4. Which two fruits combined equal the same amount as the number of oranges sold? (2 marks)**

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**5. Explain why it is helpful for Max to use a bar chart instead of a list of numbers to show his sales. (2 marks)**

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**Draw:** Draw a bar chart for Max's fruit sales. Remember to label the axes, give the chart a title, and use intervals of 5 on the vertical axis.



*Extension challenge: Max receives a delivery of 20 plums on Sunday. If he sells half of them, how would you add this new data to your existing bar chart? Would you need to change the scale of your axis? Explain your reasoning.*