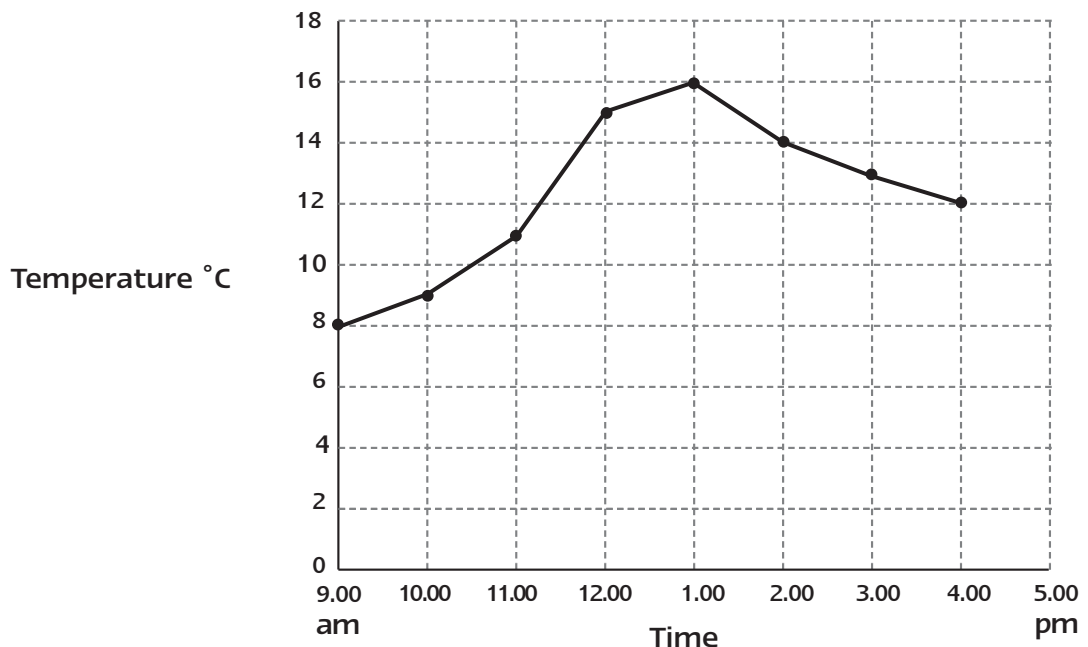


Line graphs

1

The temperature graph

Pupils in a Year 7 class kept a record of the classroom temperature. The points on this graph have been joined with lines. The values between the plotted points are all estimates, not actual values. Estimates between two plotted points are usually more accurate than values obtained by extending a graph.



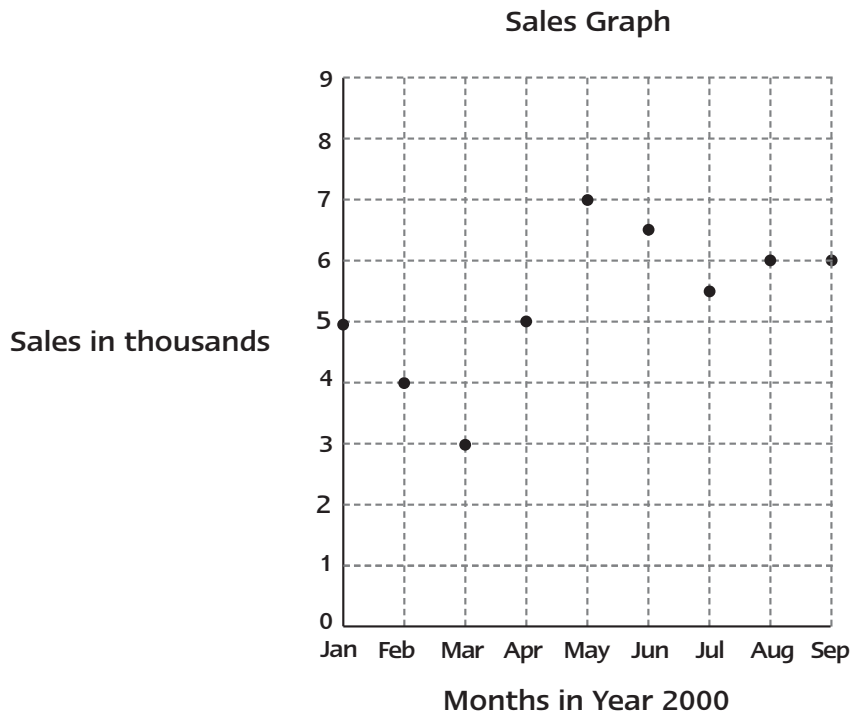
- 1 At what time was the **first** temperature taken?
- 2 At what time was the **last** temperature taken?
- 3 What was the highest temperature recorded? °C
- 4 At what time was the highest temperature recorded?
- 5 What was the lowest temperature recorded? °C
- 6 What was the temperature at 11.00 am? °C
- 7 (a) Read the temperature at 11.30 am. °C
(b) Would this temperature be the actual temperature at 11.30 am, or an estimate?
- 8 Estimate the temperature at 5 pm. °C

Line graphs

2

The sales graph

This is the sales graph for a company which makes toys called 'Whizzbangs'.



- 1 How many months does the graph cover?
- 2 How many Whizzbangs were sold in April?
- 3 How many Whizzbangs were sold in July?
- 4 Which month had the lowest sales?
- 5 Which month had the highest sales?
- 6 Do points between the plotted points have a meaning?
 Explain your answer.

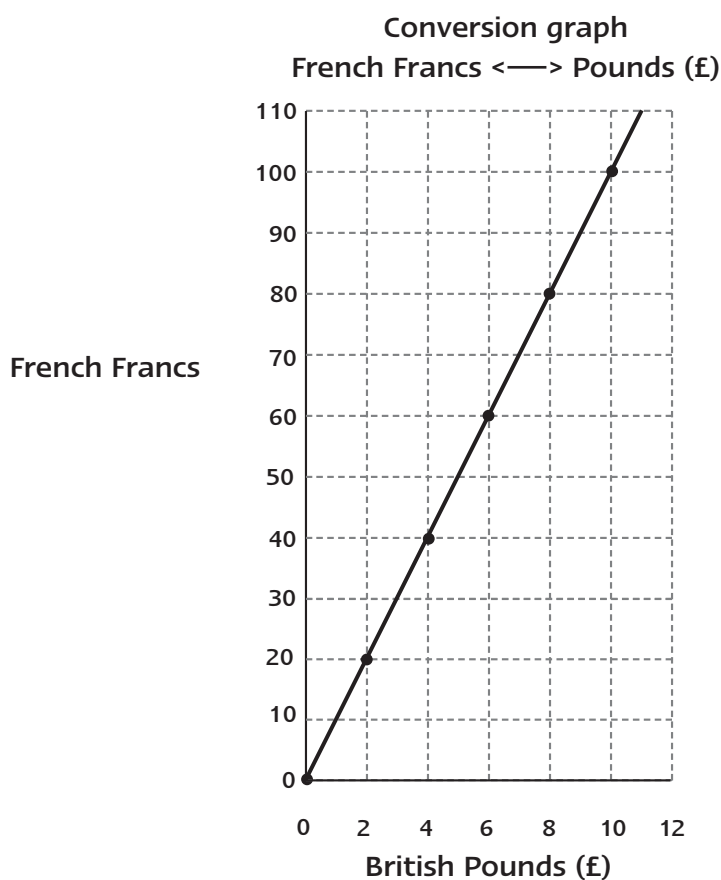
- 7 Why might the sales be higher in summer?

Line graphs

3

The currency conversion graph

You can use the values *between* the plotted points, and extend the graph to give you more values.



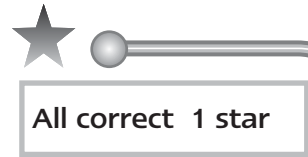
Molly wants to change her British money into French Francs.

- 1 How many francs would she get for £10? francs
- 2 How many francs would she get for £6? francs
- 3 What are 40 francs worth in £? £.....
- 4 What are 25 francs worth in £? £.....
- 5 What is £1 worth in francs? francs
- 6 Can you use the graph to work out what £100 is worth in francs?
.....

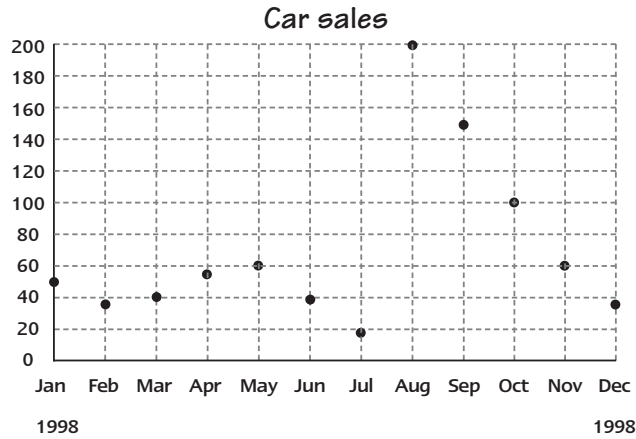
Line graphs



Car sales

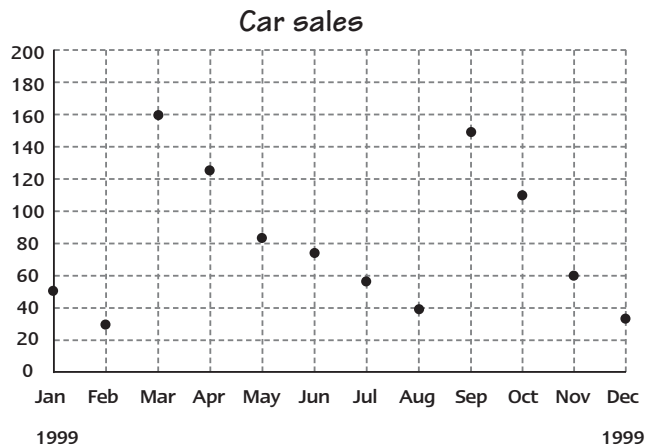


Number of cars sold



- 1 Which month had the lowest sales?
- 2 Most cars were sold in the month when the car registration letter changed.
Which month was that?
- 3 In which months were fewer than 40 cars sold?
- 4 How many cars were sold in September?

Number of cars sold



- 5 Which month had the lowest sales?
- 6 In which months were more than 120 cars sold?
- 7 The registration letter changed twice this year.
In which two months did it change?
- 8 Is it sensible to join the points on this graph?

Explain your answer.
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