



# Interpreting data

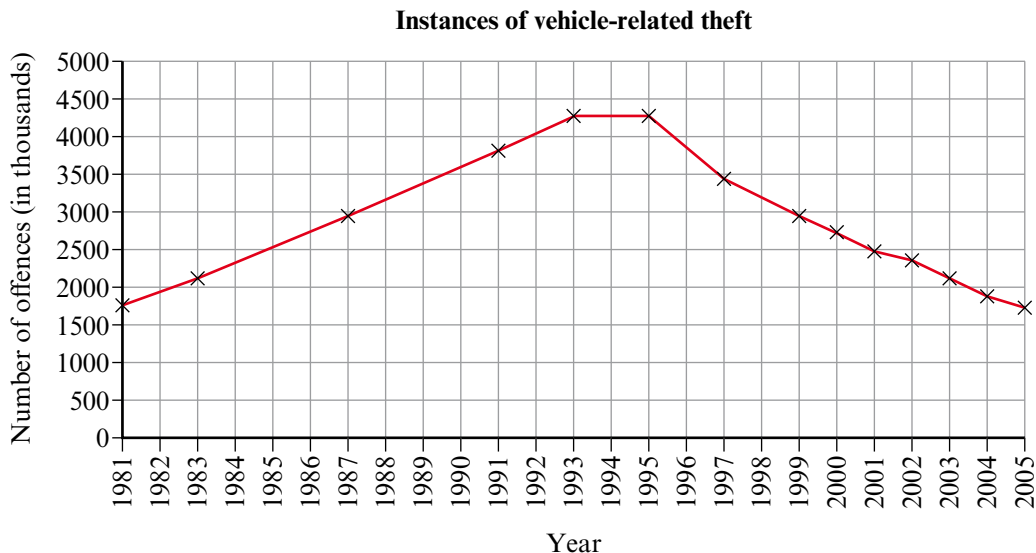
- Interpreting different types of graph
- Giving reasons to justify your answers
- Deciding whether a graph displays its data clearly

Keywords

You should know

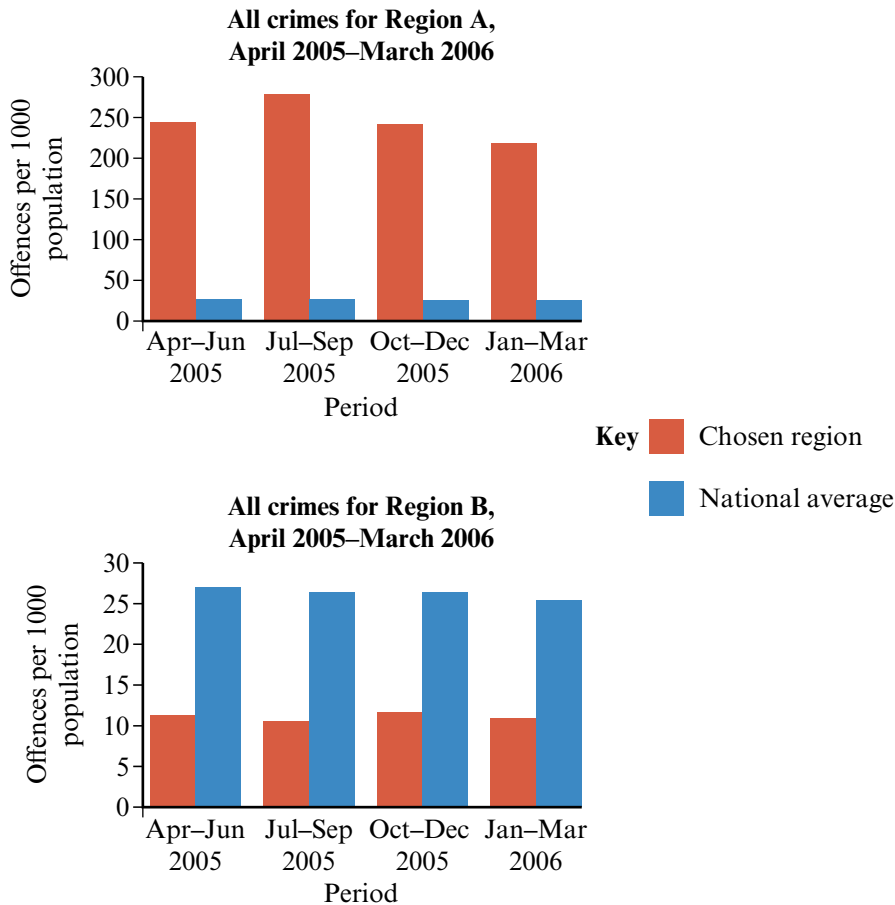
### explanation 1

- 1** This graph shows crime statistics relating to vehicle theft since 1981.



- Approximately how many vehicle-related thefts were reported in 2005?
- Which years showed the highest theft figures?
- Write a short paragraph describing what the graph shows.
- Give a possible reason for the drop in vehicle-related thefts since 1995.

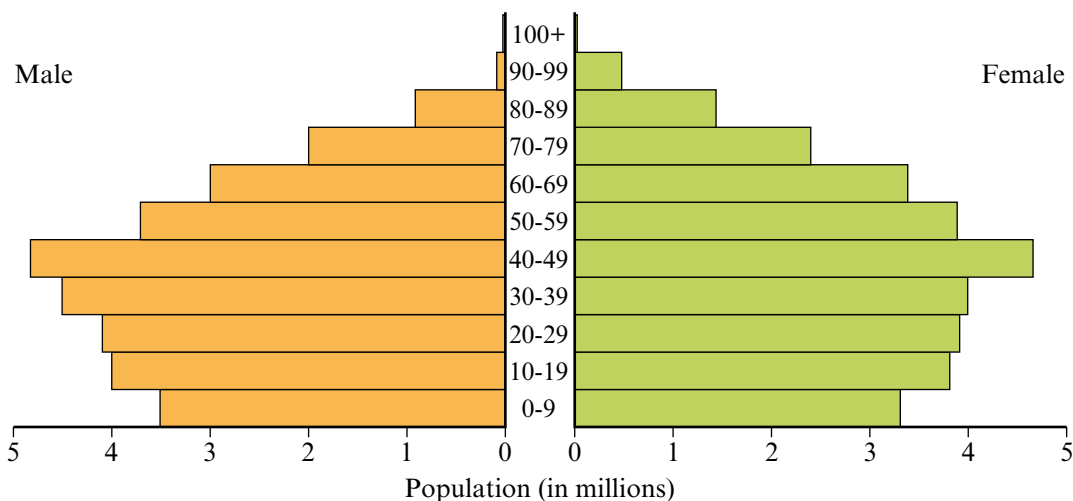
- 2** Each graph shows the overall crime figures between April 2005 and March 2006 for one particular region compared to the national averages.



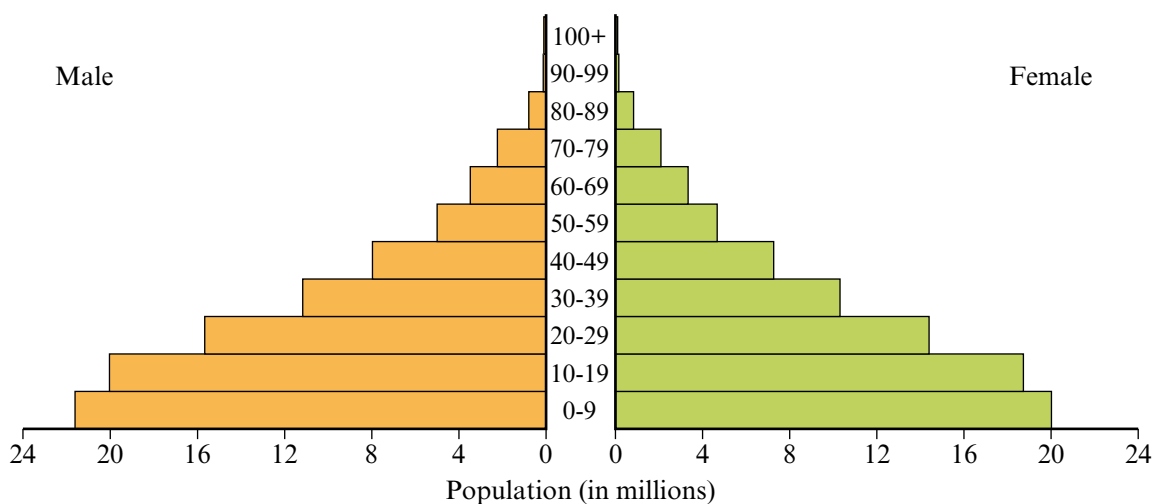
- a** Approximately how many offences on average were committed per thousand of the population nationally between January and March 2006?
- b** Approximately how many offences were committed per thousand of the population in Region B between January and March 2006?
- c** Approximately how many offences were committed per thousand of the population in Region A between January and March 2006?
- d** Write a short paragraph describing any similarities and differences between the crime figures for the two regions.
- e** Explain whether you think the graphs are clear. Justify your answer.

- 3** These graphs show the 2007 population pyramids for two different countries. The numbers in the middle of the pyramids represent the ages of the population.

**Population pyramid for a country in Europe**

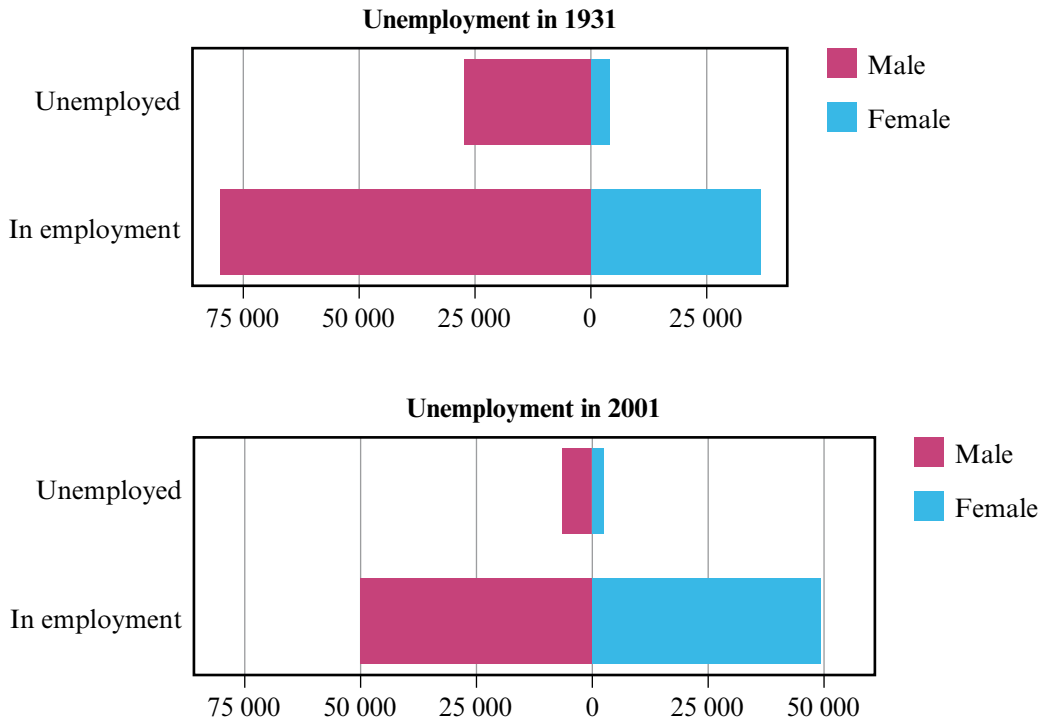


**Population pyramid for a country in Asia**



- Approximately how many 0–9 year old girls were there in the Asian country in 2007?
- Approximately how many 0–9 year old girls were there in the European country in 2007?
- In the Asian country which age group had the most people?
- In the European country which age group had the most people?
- Write a short paragraph describing some of the differences and similarities between the two graphs.

- 4** These two graphs show the numbers of unemployed males and females taken from Census data for a city in 1931 and 2001.



- a** Approximately how many women were at work in 1931?
- b** Approximately how many men were at work in 1931?
- c** Approximately what percentage of those employed in 1931 were women?
- d** Approximately what percentage of those employed in 2001 were women?
- e** Write a short paragraph commenting on the similarities and differences between the data for the two years shown.