

Student name: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

### Practice

**1** Match each feature with types of visual representation from the box.

bar chart

flow chart

line graph

pie chart

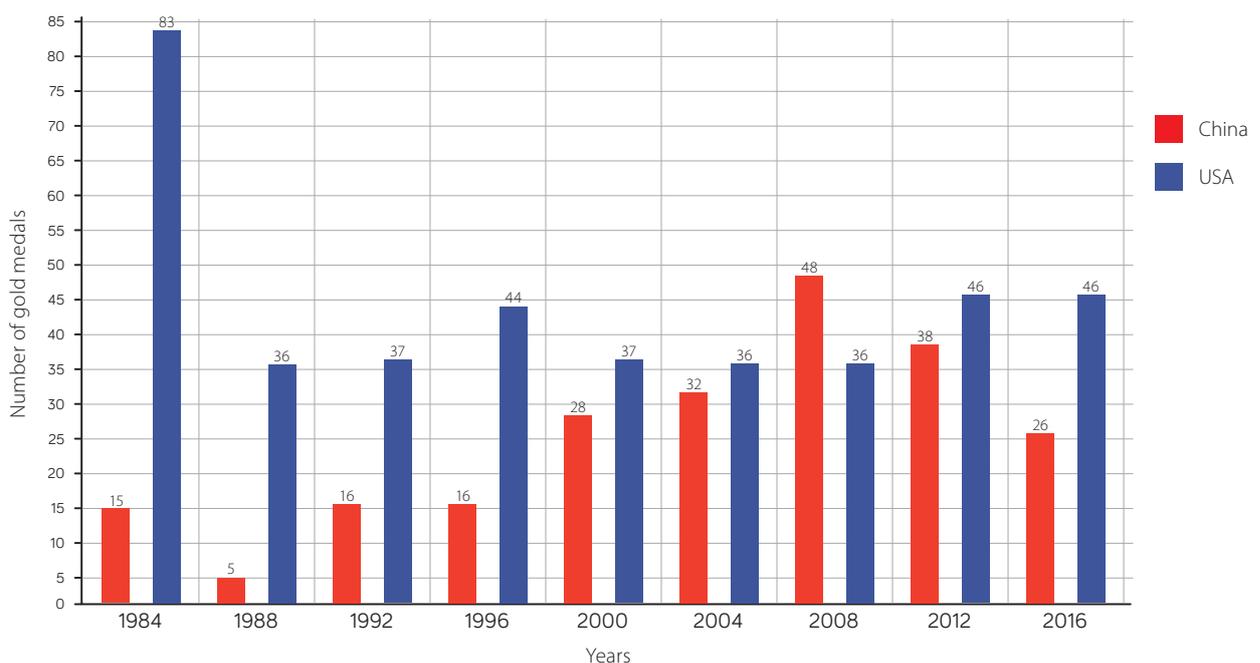
table

- a horizontal and vertical axes
- b rectangular bars
- c columns and rows
- d numbered stages
- e segments
- f arrows linking parts of a process
- g rises and falls over time
- h colours to help the reader

**2** Study the bar chart (Figure 6) and answer the questions.

- a What does the bar chart aim to compare?
- b What do the blue bars represent? What about the red bars?
- c What does the horizontal axis show? What does the vertical axis show?
- d Did the USA or China win more gold medals in 1984?
- e When did China first win more gold medals than the USA?
- f In the period between 1996 and 2008, which country improved its gold medal tally at every Olympic Games?

**Figure 6: Number of gold medals at the Olympic Games (China/USA, 1984–2016)**

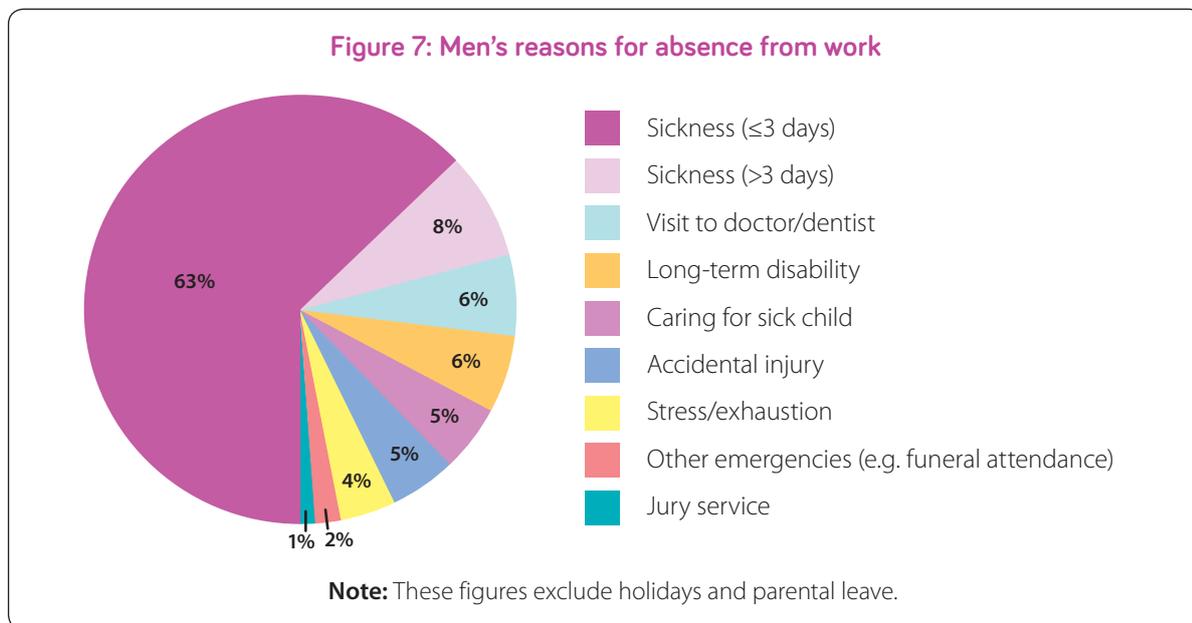


- 3**  In pairs, check your answers to the questions in Exercise 2. Then write three more sentences about the bar chart.

*The USA won more than five times as many gold medals as China in 1984.*

- 4** Study the pie chart (Figure 7) and answer the questions.

- Does the chart show information about jobs or men's behaviour?
- What do the different colour segments represent?
- What is the most common reason for men to take time off work?
- Which is the more common reason for men to be off work – a doctor's visit or accidental injury?
- What percentage of men are off work in order to look after another person?



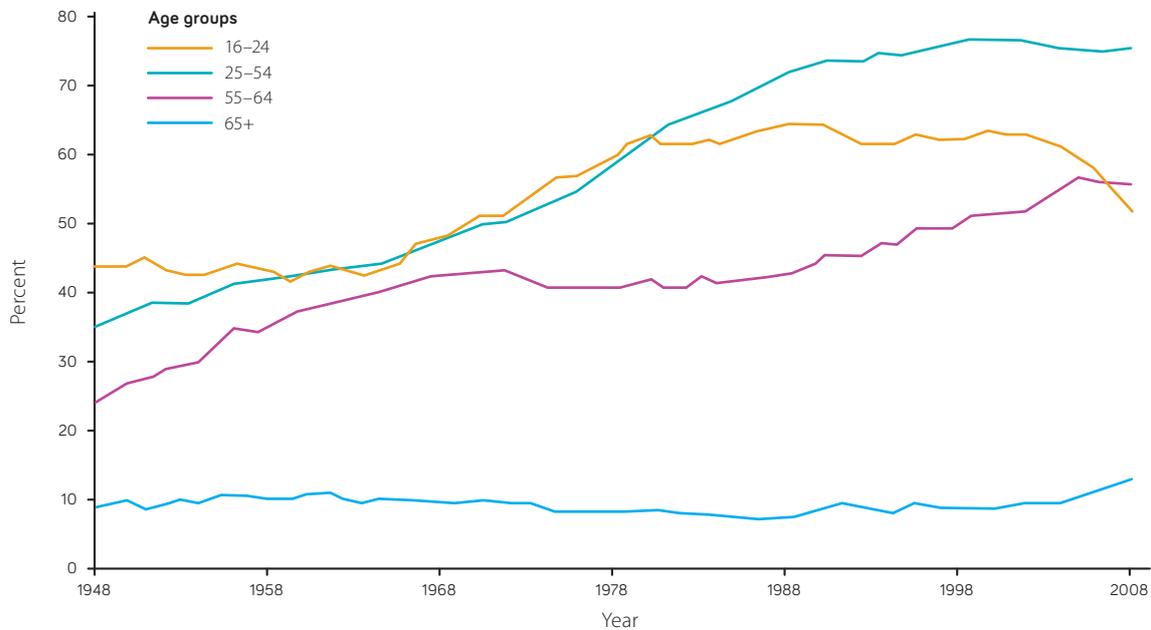
- 5**  In pairs, check your answers to the questions in Exercise 4. Then write three more sentences about the pie chart.

*1% of men are off work because they've been called to do jury service.*

- 6** Study the line graph (Figure 8) on the following page and answer the questions.

- Does the graph show information about all women or only some women?
- What does the horizontal axis show? What does the vertical axis show?
- What do the four different coloured lines represent?
- Which age group had the highest percentage of women working in 2008?
- Which age group had the highest percentage of women working in 1948?
- For which age group has the situation changed very little?
- What happened to the percentage of women aged 16–24 in work after 2000?

**Figure 8: Percentage of women in employment by age group (USA, 1948–2008)**



**Note:** These figures include full-time and part-time employment.

**7** In pairs, check your answers to the questions in Exercise 6. Then explain what the graph shows in your own words.

**8** Study the table (Figure 9). In pairs, ask and answer questions as in the examples.

Who has the highest score in maths?

Lisa.

In which subject did Jasmine score lowest?

Science.

**Figure 9: End-of-term exam results, June 2019**

	Maths	English	History	Geography	Science	Average score
<b>Tony</b>	86%	88%	76%	79%	71%	<b>80%</b>
<b>Jasmine</b>	82%	96%	87%	77%	48%	<b>78%</b>
<b>Max</b>	63%	79%	80%	70%	58%	<b>70%</b>
<b>Lisa</b>	93%	58%	68%	62%	54%	<b>67%</b>

**9**  **In pairs, discuss the best visual representation for each set of information.**

- a the divorce rate in 12 countries in the years 1950–2010
- b the proportion of drivers who learn to drive in the following age groups:
  - 17–20
  - 21–30
  - 31–40
  - 41+
- c number of league goals scored by ten European football clubs over 20 seasons
- d the number of people who speak fluent English in 1976 and in 2016 in eight Asian countries

**10**  **Work with a partner. Look at Figure 7 again. Design a pie chart to show the reasons for women's absences from work.**

**11**  **Design a table or chart to show to show which types of film (romance, comedy, horror, etc.) are popular among your classmates.**

## Reflect

**12**  **Discuss the questions.**

- Do you find some types of table/chart/graph easier to interpret than others?
- What is the most helpful thing you have learnt about reading tables, charts and graphs?
- Do you feel more confident about referring to them in your writing?