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0151030842

GEOGRAPHY **0460/22**

Paper 2 Geographical Skills **February/March 2022**

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
1:25 000 survey map (enclosed)
Calculator
Plain paper
Protractor
Ruler

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].
- The insert contains additional resources referred to in the questions.

Definitions
LEDC – Less Economically Developed Country
MEDC – More Economically Developed Country

This document has **20** pages. Any blank pages are indicated.

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1 Study the map extract for Troon, Scotland. The scale is 1:25 000.

(a) Fig. 1.1 shows some of the features in the south west of the map extract. Study Fig. 1.1 and the map extract and answer the questions below.

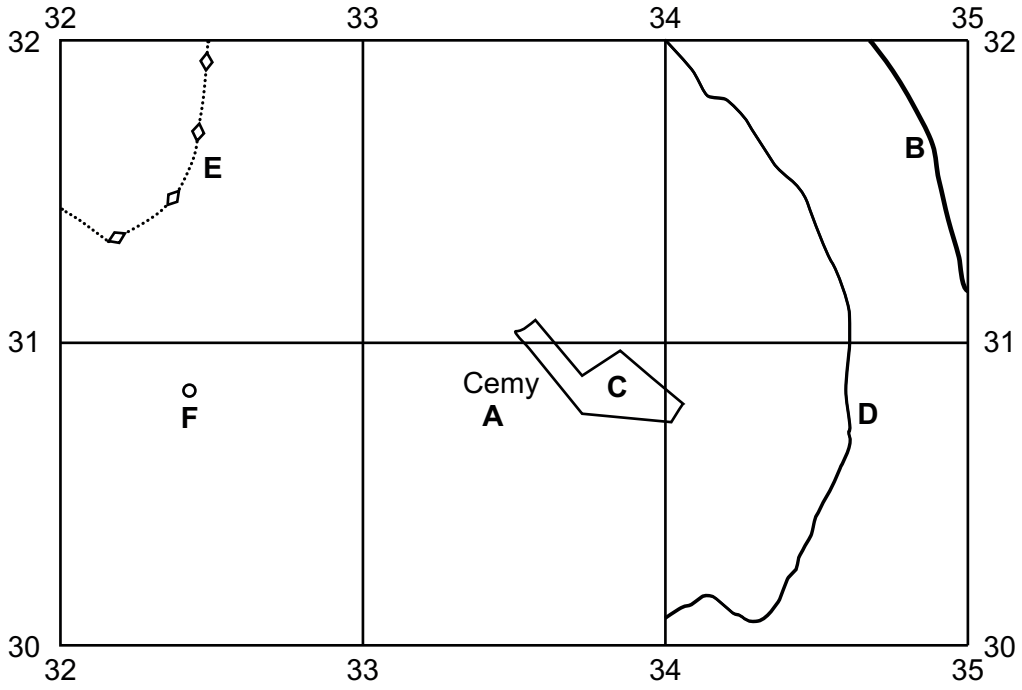


Fig. 1.1

Using the map extract, identify the following features shown in Fig. 1.1:

(i) feature **A**

..... [1]

(ii) the type of road at **B**

..... [1]

(iii) the land use at **C**

..... [1]

(iv) the height above sea level of the contour at **D**

..... metres [1]

(v) feature **E**.

..... [1]

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(b) Look at the railway line which runs north from the railway station at **F** shown on Fig. 1.1.

(i) Give the six-figure grid reference of the railway station at **F** shown on Fig. 1.1.

..... [1]

(ii) What is the distance along the railway line from the railway station at **F** to the next railway station to the north? Tick (✓) **one** box below.

	tick (✓)
1150 metres	
1850 metres	
2150 metres	
2400 metres	

[1]

(iii) Measure the bearing **from** the railway station at **F** to the next railway station to the north.

..... degrees [1]

(c) Fig. 1.2 is a cross-section along northing 325 from 340325 to 365325.

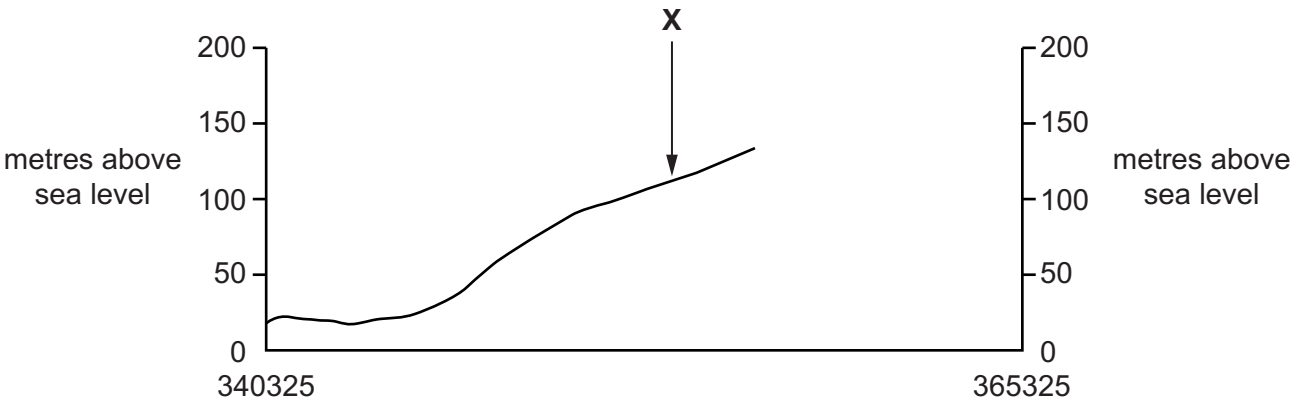


Fig. 1.2

(i) Identify the feature at **X**.

..... [1]

(ii) **On Fig. 1.2, use a labelled arrow** to show the location of the Ayrshire coastal path. [1]

(iii) The cross-section shown on Fig. 1.2 is incomplete. Using information from the map extract, draw a line **on Fig. 1.2** to **complete the cross-section**. [2]

(d) Look at the coastline on the western side of the map extract.

(i) Identify **three** tourist attractions along the coastline of South Bay.

.....

.....

.....

.....

.....

..... [3]

(ii) Describe the physical (natural) features of the coastline shown on the map extract.

.....

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.....

.....

.....

.....

.....

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..... [5]

[Total: 20]

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TURN PAGE FOR QUESTION 2

2 Fig. 2.1 shows the countries in the world which had an average life expectancy of more than 74 years in 2019.

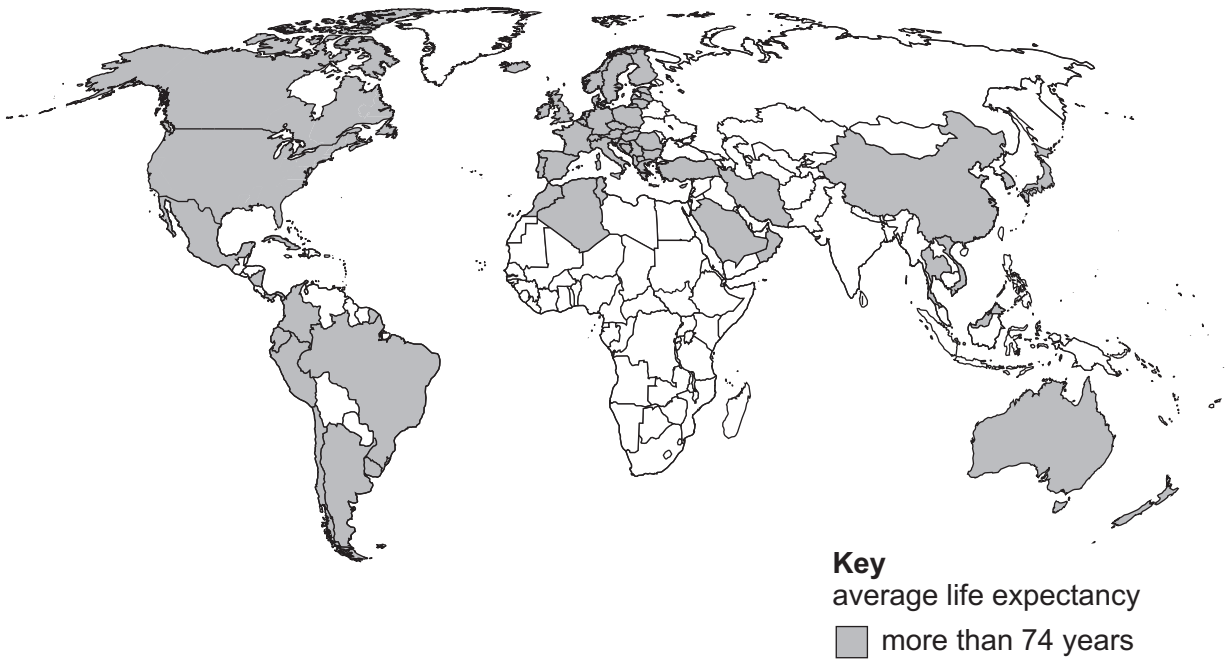


Fig. 2.1

(a) Using Fig. 2.1, describe the distribution of countries with an average life expectancy of more than 74 years.

.....

.....

.....

.....

.....

..... [3]

(b) Table 2.1 shows the average life expectancy in Africa by gender and region in 2019.

Table 2.1

region	male	female
Northern Africa	71	74
Eastern Africa	62	66
Southern Africa	61	67
Central Africa	**58**	61
Western Africa	56	58
average	61.6	

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(i) Calculate the average female life expectancy for Africa.

..... years [1]

(ii) Using the information in Table 2.1, **complete the bar graph** (Fig. 2.2) for males in Central Africa. [1]

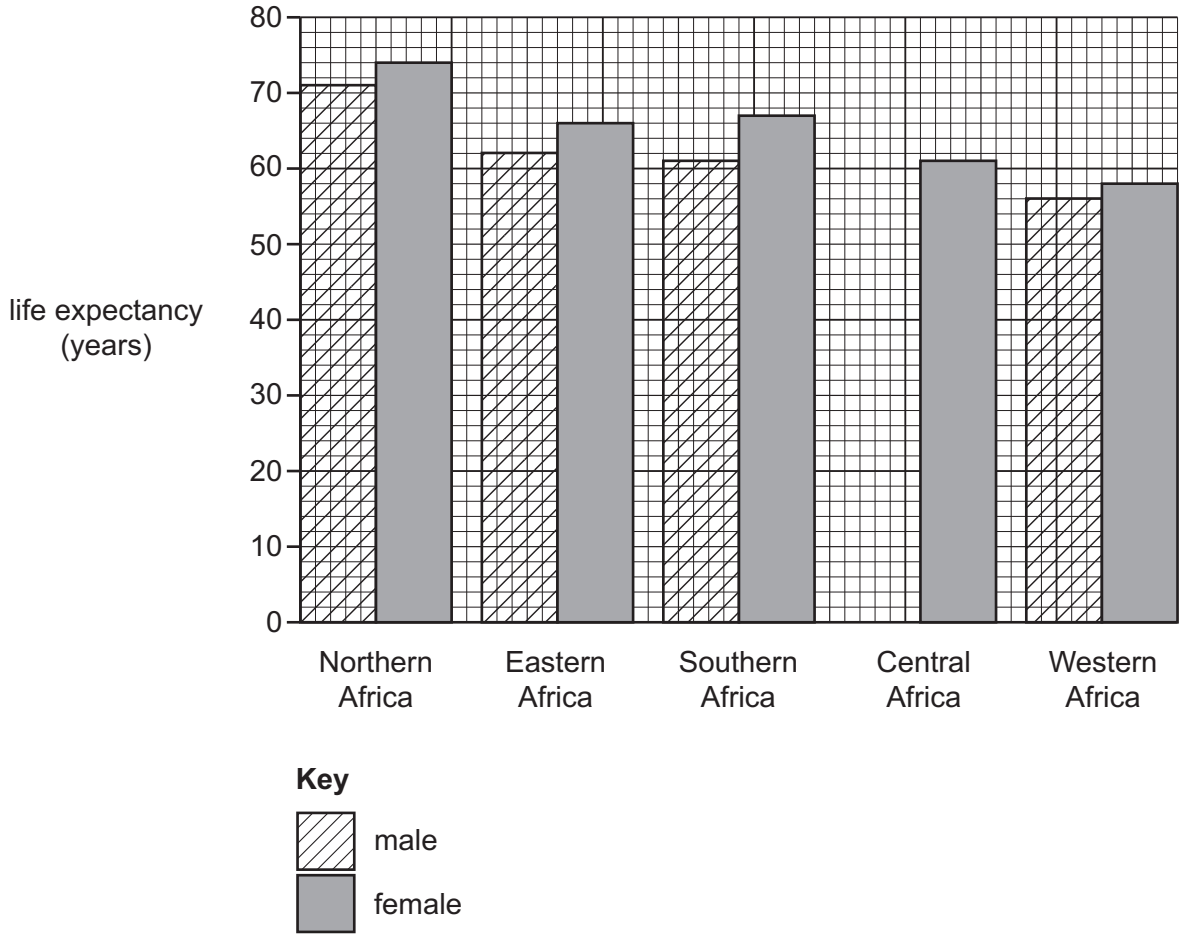


Fig. 2.2

(iii) Using Table 2.1 and Fig. 2.2, compare the average life expectancy of males and females in Africa. Do **not** use statistics in your answer.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

3 Figs. 3.1 and 3.2 (Insert) show two different shopping areas. Fig. 3.1 is in England, an MEDC, and Fig. 3.2 is in Indonesia, an LEDC.

(a) In which urban zone was the photograph in Fig 3.1 taken? Circle **one** of the answers below.

inner suburbs rural-urban fringe outer suburbs central business district [1]

(b) Describe the shopping areas shown in each figure.

England (Fig. 3.1)

.....

.....

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.....

Indonesia (Fig. 3.2)

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..... [7]

[Total: 8]

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TURN PAGE FOR QUESTION 4

4 Fig. 4.1 shows the predicted impact of future earthquakes along the San Andreas fault in the USA.

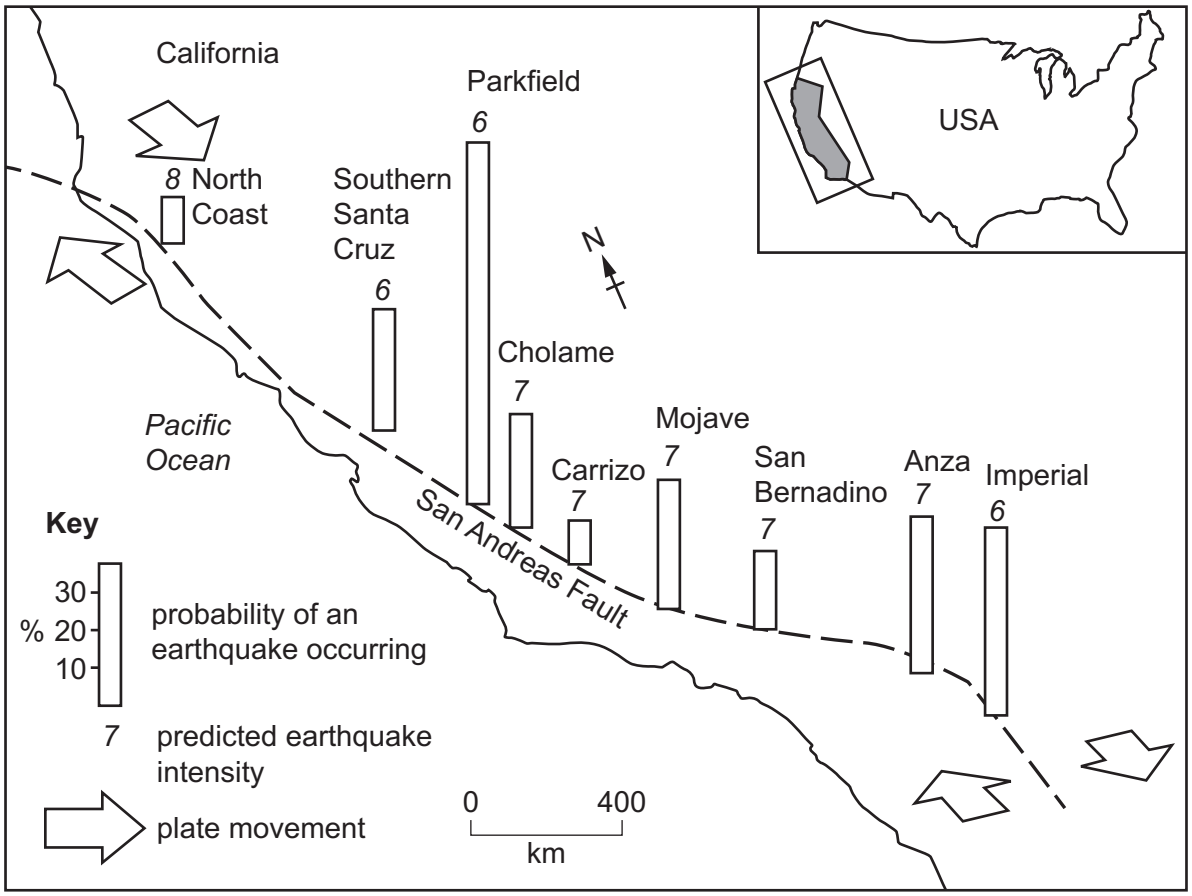


Fig. 4.1

(a) Using Fig. 4.1, answer the following questions:

(i) Describe the location of the San Andreas fault.

.....

.....

.....

..... [2]

(ii) What type of plate margin (boundary) is shown in Fig. 4.1?

..... [1]

(iii) Which area is predicted to have the highest probability of an earthquake occurring?

..... [1]

(iv) Which area is predicted to have the highest earthquake intensity?

..... [1]

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(b) Table 4.1 shows some of the effects of earthquakes of different intensities.

Table 4.1

intensity value	description of effects
1	Not normally felt. Birds and animals uneasy.
2	Felt only by a few people at rest.
3	Vibrations like a large truck passing. Felt by people at rest.
4	Felt indoors by many. Cars rock.
5	Sleepers wakened. Some windows broken.
6	Small bells ring. Trees sway. Loose objects fall.
7	Difficult to stand up. People run outdoors. Walls crack.
8	Partial collapse of buildings. Chimneys fall.

(i) Using Fig. 4.1 and Table 4.1, identify **two** of the predicted impacts of the earthquake in Southern Santa Cruz.

1 .....

.....

2 .....

..... [2]

(ii) Suggest **one** reason why some areas of a town might have more deaths because of an earthquake than others.

.....

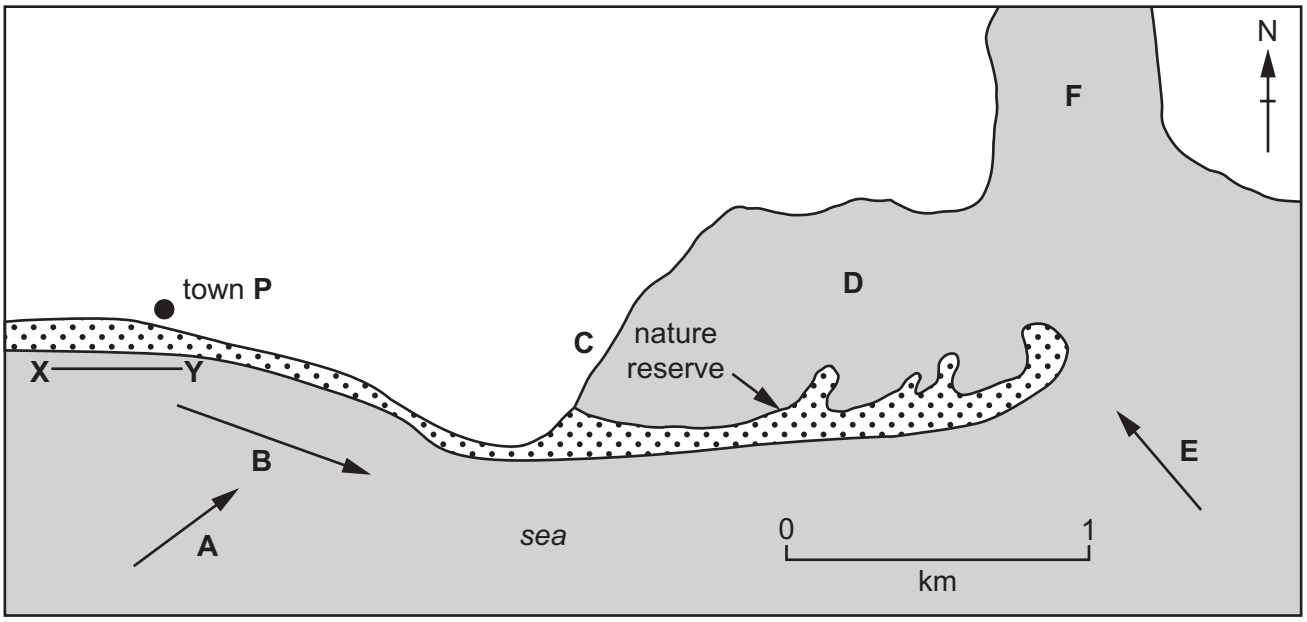
.....

.....

..... [1]

[Total: 8]

5 Fig. 5.1 shows an area of coastline where a spit has developed.



Key

sand

X —— Y site of new groynes

Fig. 5.1

(a) Look at Fig. 5.1 and match the correct letter with the terms below. One has been done for you.

term	letter
longshore drift direction	**B**
prevailing wind/fetch	
river estuary	
salt marsh	

[3]

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(b) New groynes are going to be built in the area shown by the line between **X** and **Y** in Fig. 5.1.

(i) Suggest **three** different ways this will affect residents of town **P**.

1 .....

.....

2 .....

.....

3 .....

..... [3]

(ii) Suggest **two** impacts these new groynes will have on the nature reserve.

1 .....

.....

2 .....

..... [2]

[Total: 8]

6 Fig. 6.1 shows how water is used globally and Fig. 6.2 compares how water is used in two continents.

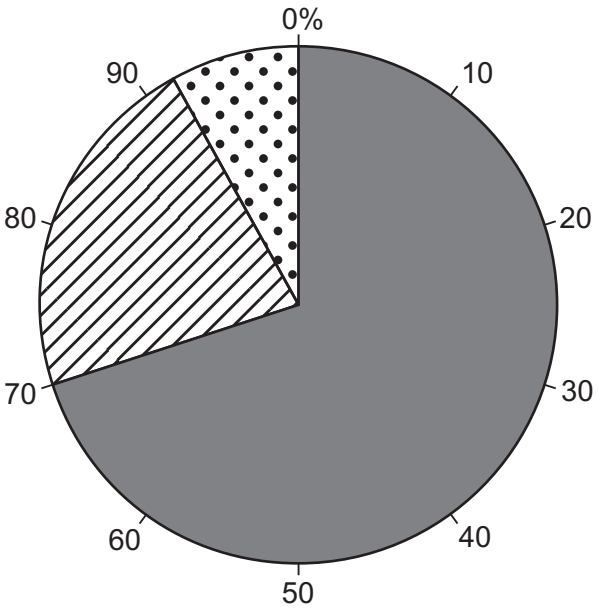


Fig. 6.1

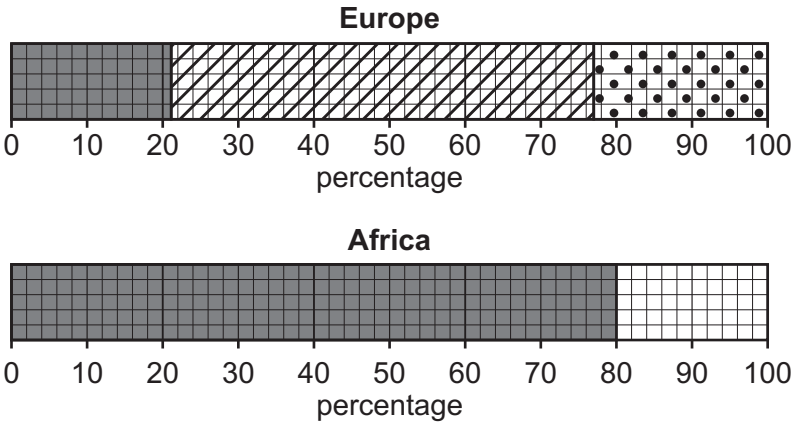
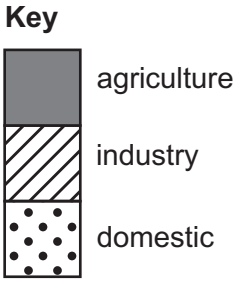


Fig. 6.2



(a) (i) Using Fig. 6.1, state the percentage of water used for agriculture globally.

.....% [1]

(ii) **Complete the graph** for Africa in Fig. 6.2 using the following statistics:

industry: 5%
domestic: 15% [1]

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(b) As a country develops, the amount of water used in agriculture, industry and for domestic use will change. Suggest reasons for this.

Agriculture

.....

.....

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.....

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Industry

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Domestic use

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..... [6]

[Total: 8]

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Additional pages

If you use the following pages to complete the answer to any question, the question number must be clearly shown.

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