

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

(a) Fig. 1.1 shows some of the features toward the north of the map extract. Study Fig. 1.1 and the map extract and answer the questions below.

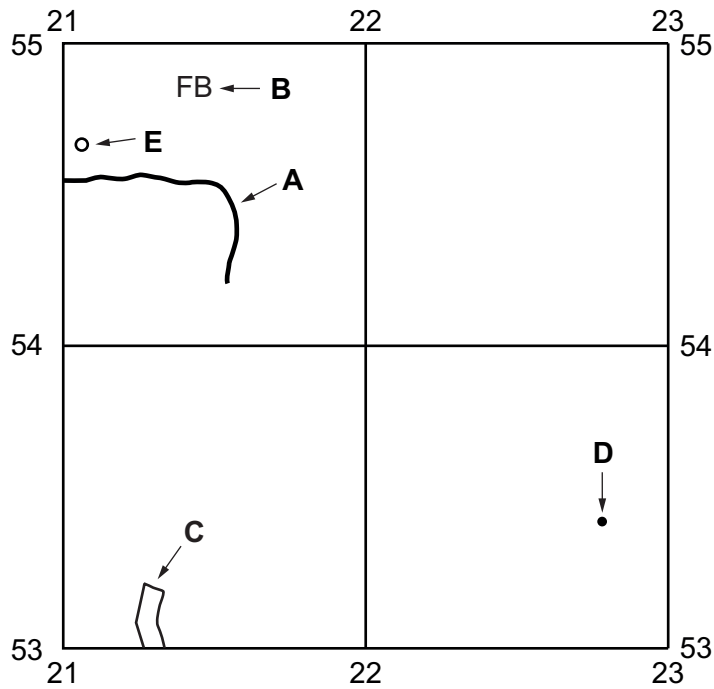


Fig. 1.1

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

- (i) the name of the river at **A**
 [1]
- (ii) feature **B**
 [1]
- (iii) the land use at **C**
 [1]
- (iv) the height above sea level of the spot height (triangulation pillar) at **D**.
 metres [1]

(b) Look at the railway line which runs to the south from the railway station at **E** shown on Fig. 1.1.

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

..... [1]

(ii) What is the distance along the railway line from the railway station at **E** to the **southern edge** of the map extract?

..... kilometres [1]

(iii) What is the bearing from the railway station at **E** to the end of the railway line at the **southern edge** of the map extract?

..... degrees [1]

(c) Identify **three** tourist attractions shown on the map extract.

1

2

3

[3]

(d) Describe the types and distribution of vegetation shown on the map extract.

.....
.....
.....
.....
.....
.....
.....
.....
..... [4]

TURN PAGE FOR QUESTION 2

2 Study Fig. 2.1, which shows an area surrounding a city.

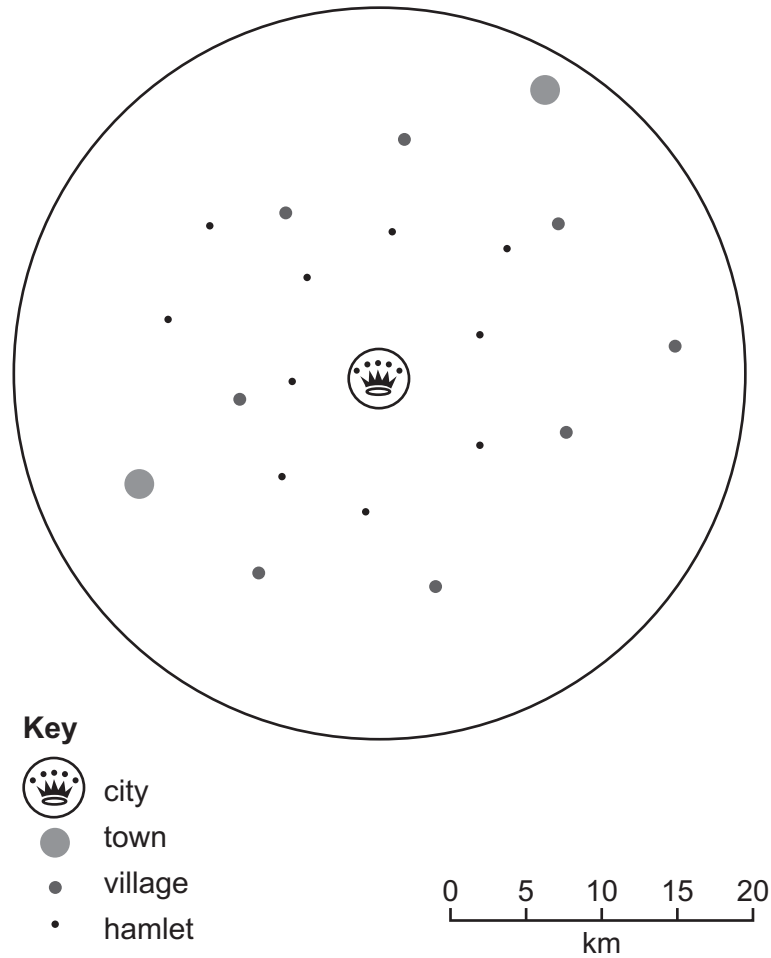


Fig. 2.1

(a) (i) Using Fig. 2.1, complete the table below:

| settlement type | number of settlements |
|-----------------|-----------------------|
| city | 1 |
| town | |
| village | |
| hamlet | 10 |

[2]

(ii) Using Fig. 2.1, find the distance between the towns.

..... kilometres

[1]

(b) What is meant by the following terms?

(i) sphere of influence

.....
..... [1]

(ii) threshold population

.....
..... [1]

(c) Fig. 2.2 shows the relationship between population size and the number of services provided by a settlement.

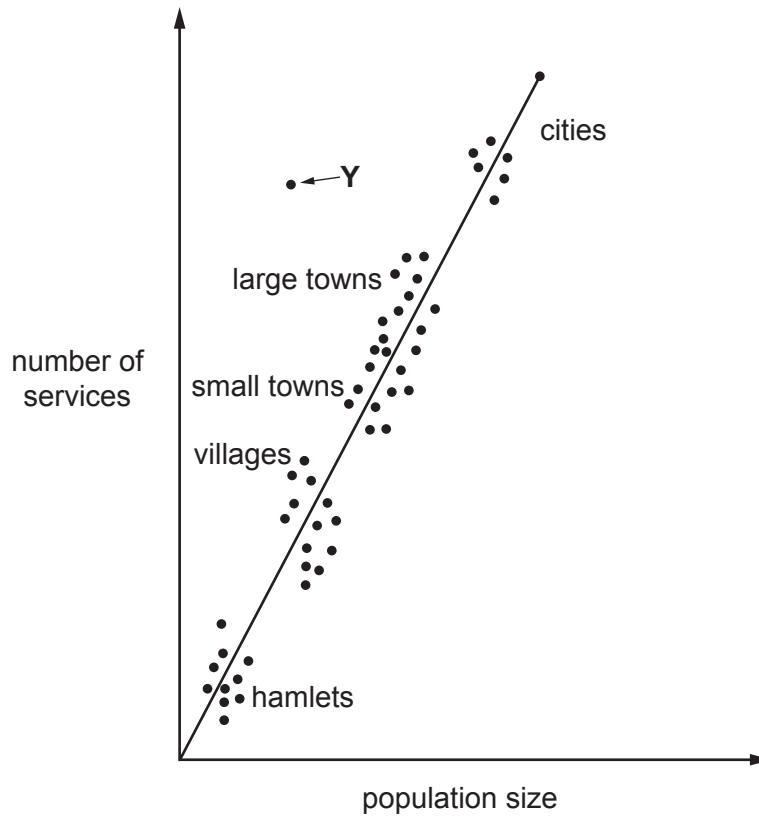


Fig. 2.2

(i) Using Fig. 2.2, describe the relationship between population size and number of services.

.....
 [2]

(ii) Settlement Y has a large number of services compared to its population size. Circle the correct answer below to show what function the settlement might have.

- capital city dormitory settlement manufacturing mining tourism [1]

[Total: 8]

3 Fig. 3.1 (Insert) shows the Mount Sinabung volcano erupting in 2017.

(a) Describe the volcano shown in Fig. 3.1.

.....
.....
.....
.....
.....
.....
..... [4]

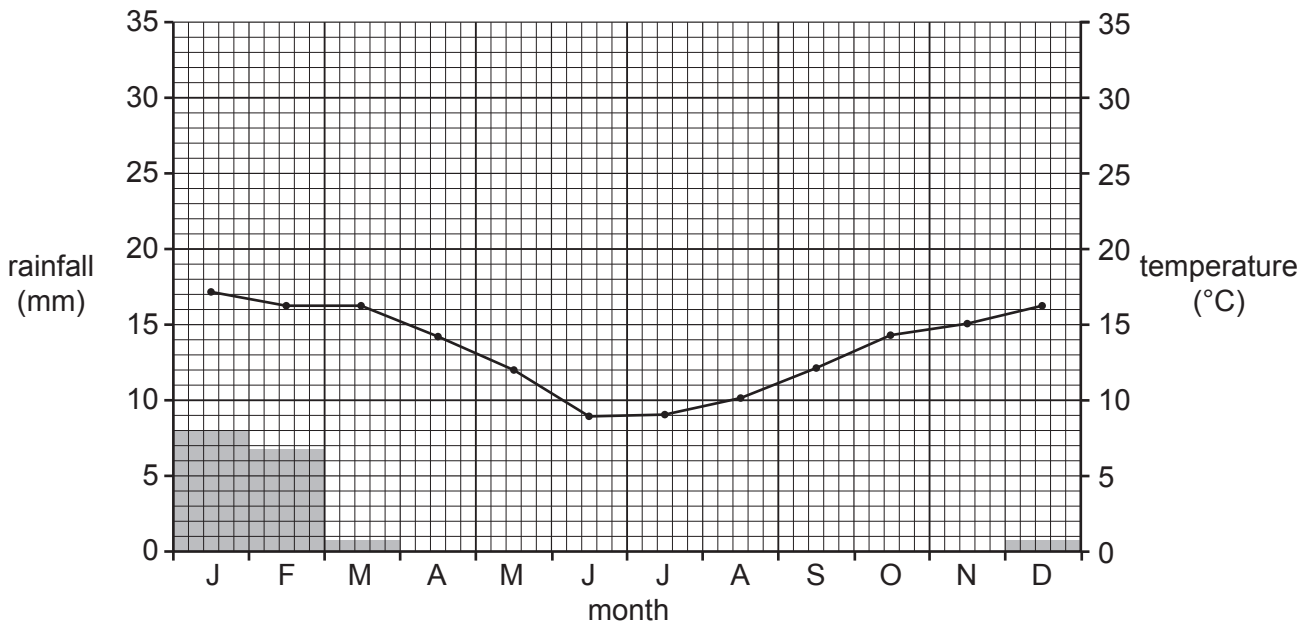
(b) State **four** reasons why people live near volcanoes.

1
.....
2
.....
3
.....
4
..... [4]

[Total: 8]

4 Graphs **A** and **B** in Fig. 4.1 show the hot desert climate in two different areas of the world.

A



B

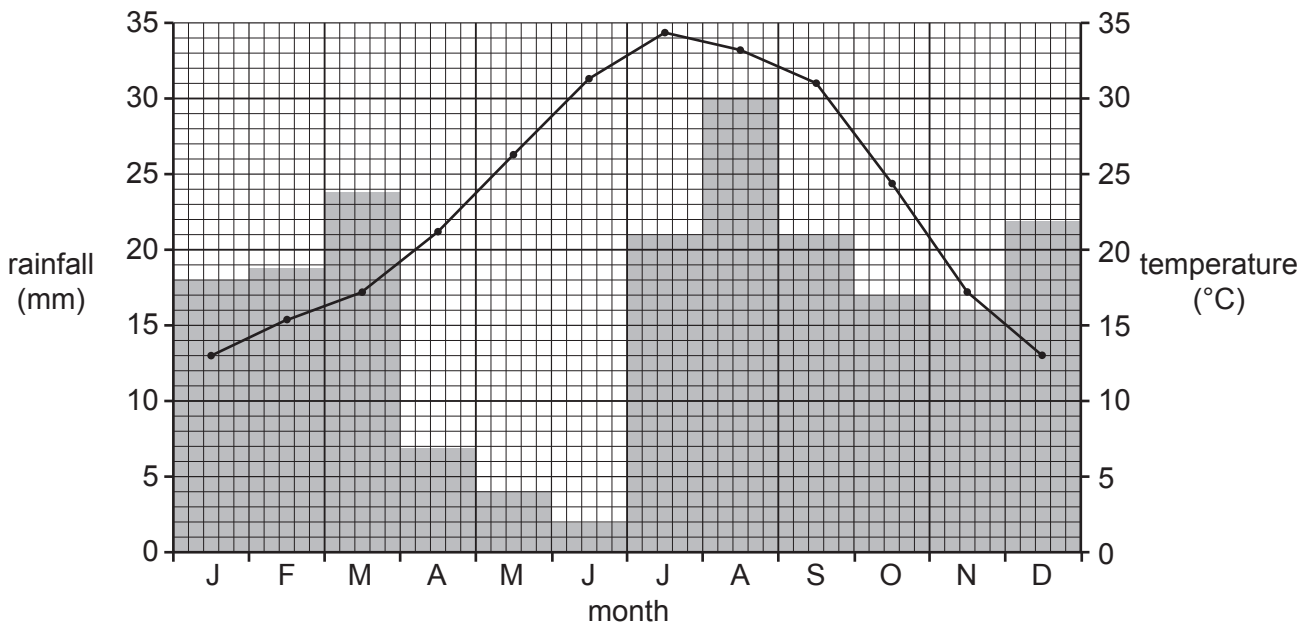


Fig. 4.1

(a) Using Fig. 4.1, state the:

(i) January rainfall at **A**

..... mm

[1]

(ii) September temperature at **B**.

..... °C

[1]

(iii) Which of the following statements are true about the climates **A** and **B** shown in Fig. 4.1? Tick (✓) **one** box on each line. One has been completed for you.

| | tick (✓) | |
|----------------------------|----------|---|
| | A | B |
| highest temperature range | | ✓ |
| lowest minimum temperature | | |
| highest annual rainfall | | |
| longest dry season | | |
| in the southern hemisphere | | |

[2]

(b) Explain why rainfall is low in hot desert areas.

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 8]

- 5 Figs. 5.1, 5.2 and 5.3 show information about population, rice production and imports in Indonesia, an LEDC.

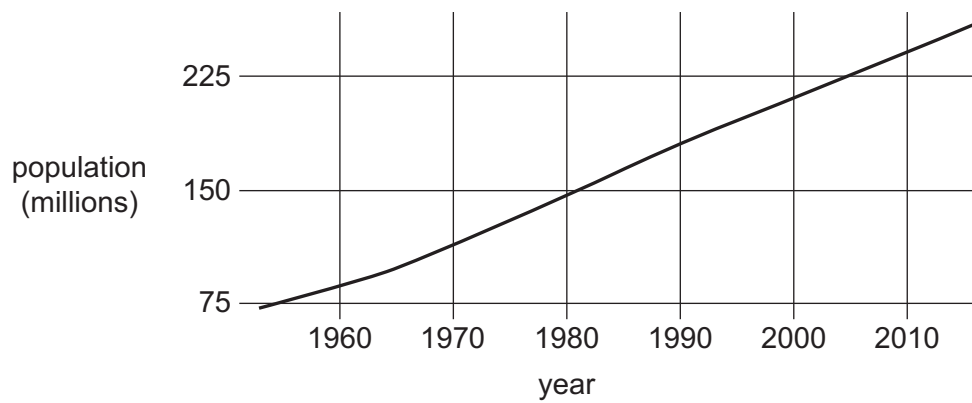


Fig. 5.1

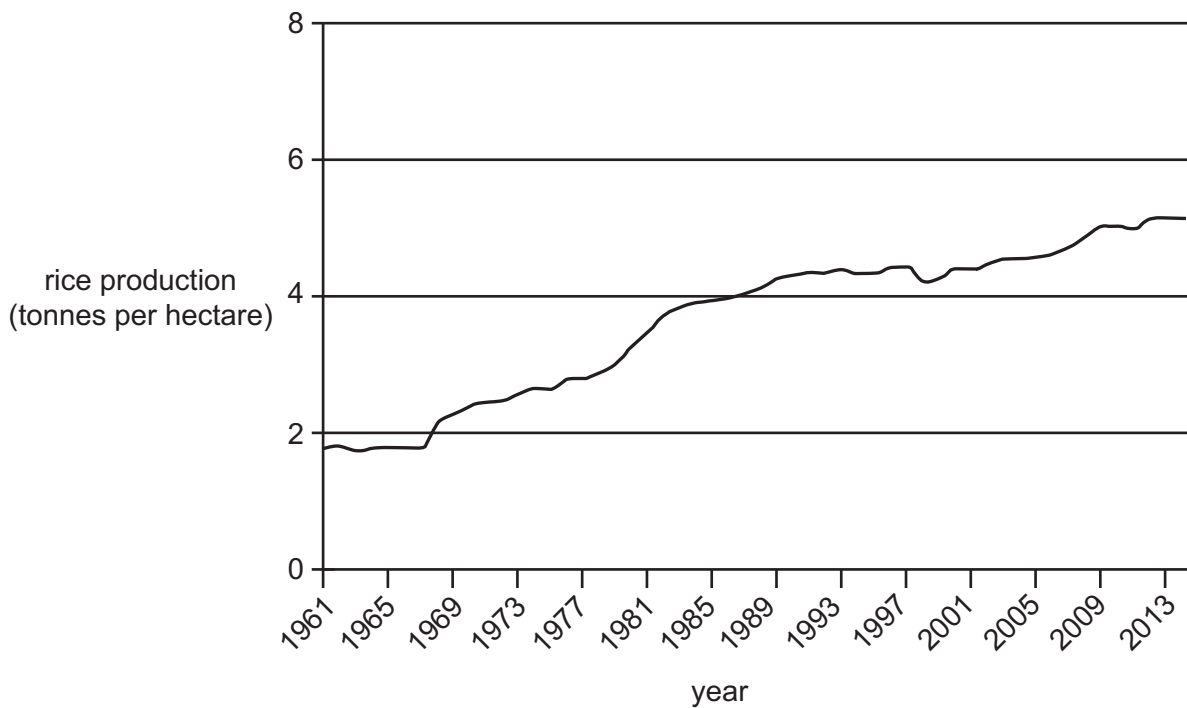


Fig. 5.2

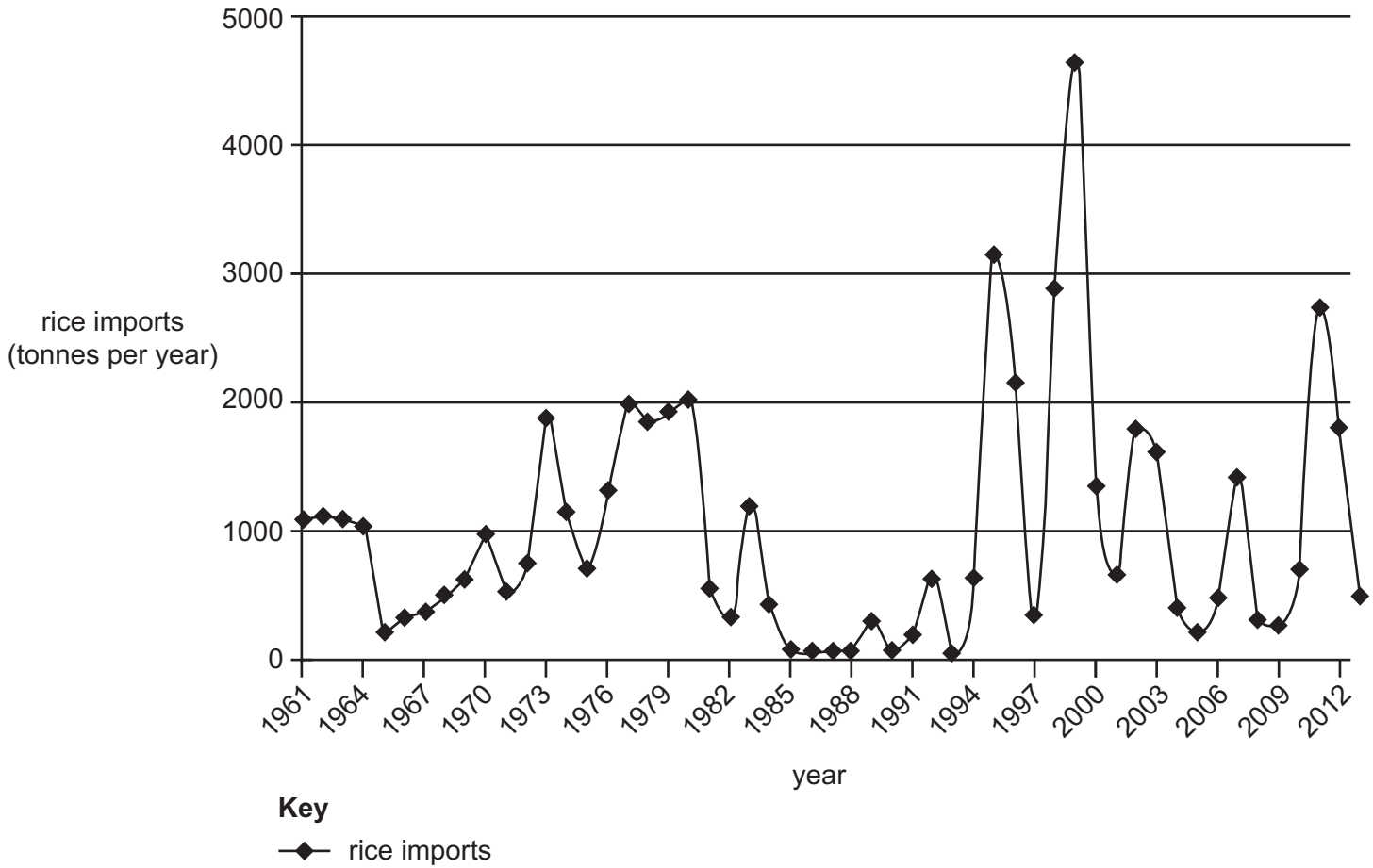


Fig. 5.3

(a) Rice is a main food in Indonesia. Using Figs. 5.1, 5.2 and 5.3 **only**, identify **three** problems which Indonesia faces in feeding its population.

Fig. 5.1

.....

Fig. 5.2

.....

Fig. 5.3

.....

[3]

(b) (i) Study Fig. 5.4 (Insert), which shows rice farming in Bali, Indonesia.

Using Fig 5.4 **only**, explain **two** ways in which the land has been changed to increase food supply.

- 1
 -
 - 2
 -
- [2]

(ii) Suggest **three other** ways that farmers in LEDCs could increase their yield per hectare.

- 1
 -
 - 2
 -
 - 3
 -
- [3]

[Total: 8]

TURN PAGE FOR QUESTION 6

- 6 (a) Study Fig. 6.1, which shows the employment structures in France (an MEDC) and the Democratic Republic of the Congo (an LEDC) in 2019.

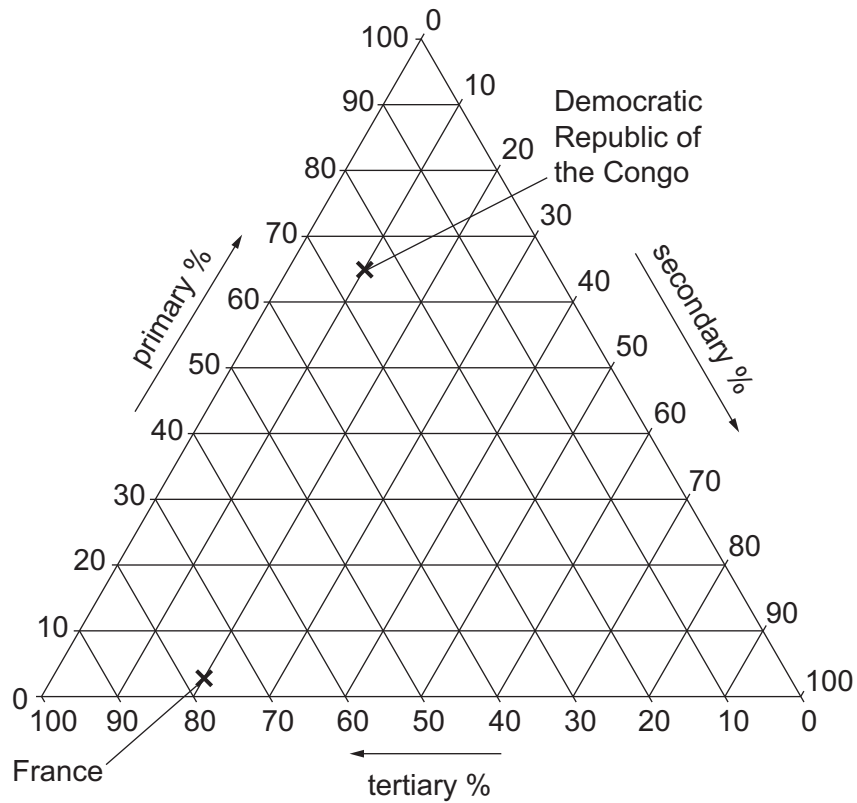


Fig. 6.1

- (i) What percentage of the Democratic Republic of the Congo's employment is in secondary industry?

..... % [1]

- (ii) Plot and label China on Fig. 6.1, using the information below:

Primary 25%
 Secondary 25%
 Tertiary 50%

[1]

- (iii) Using Fig. 6.1 **only**, identify **three** ways in which the Democratic Republic of the Congo's employment structure is different from France's.

- 1
-
- 2
-
- 3
-

[3]

(b) Why do MEDCs have a high proportion of people employed in tertiary industry?

.....

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

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