Cambridge Assessment International Education

Cambridge IGCSE™

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

3101925545

GEOGRAPHY **0460/23**

Paper 2 Geographical Skills **May/June 2023**

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
MEDCs – More Economically Developed Countries
LEDCs – Less Economically Developed Countries

This document has **16** pages. Any blank pages are indicated.

© UCLES 2023

1 Study the map extract for Cunninghame, 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.

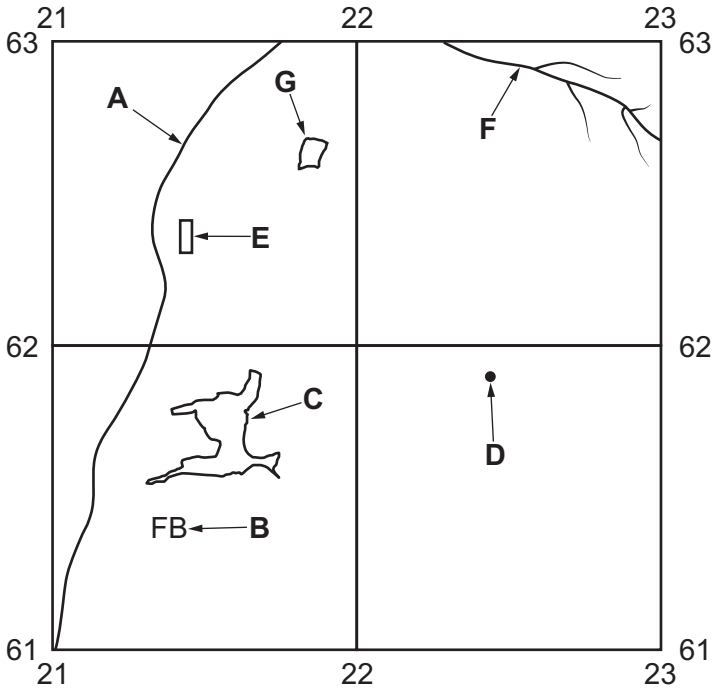


Fig. 1.1

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

(i) the type of road at **A**

..... [1]

(ii) feature **B**

..... [1]

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

..... [1]

(iv) the height above sea level of the spot height (survey height) at **D**.

..... metres above sea level [1]

(v) the name of the settlement at **E**

..... [1]

(vi) the name of the river at **F**.

..... [1]

© UCLES 2023

(b) Study Fig. 1.1 and the map extract.

What is the six-figure grid reference for the settlement of Craigton, shown as **G** on Fig. 1.1?

..... [1]

(c) Identify **two** tourist facilities shown on the map extract.

1 .....

2 ..... [2]

(d) Study the map extract and Fig. 1.2 which shows an area in the east of the map.

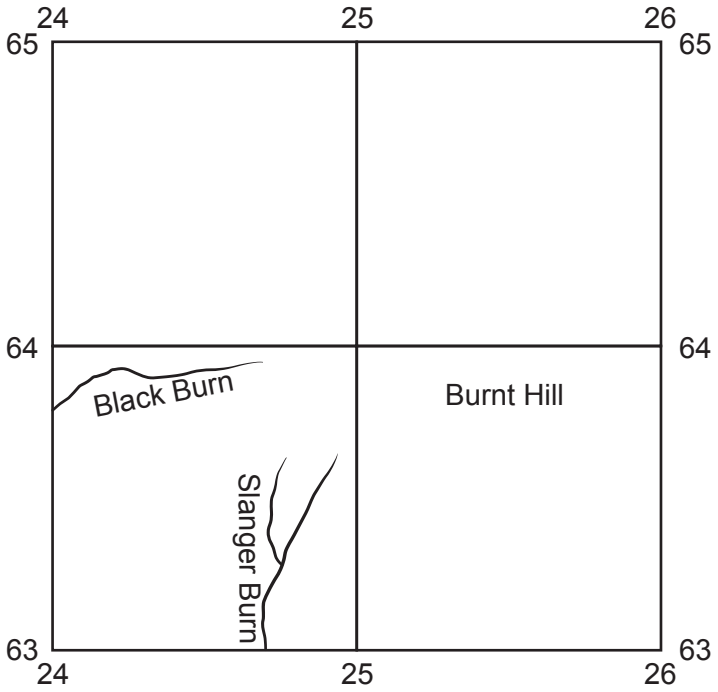


Fig. 1.2

Which **four** of the following statements are true about the area? Tick (✓) **four** boxes.

	tick (✓)
there are villages	
there are no settlements	
highest point is 489 metres above sea level	
highest point is 485 metres above sea level	
gradients are steep	
gradients are gentle	
there are waterfalls	
there is a flood plain	
no rivers flow above 475 metres above sea level	
many rivers flow above 475 metres above sea level	

[4]

(e) Look at the main river (Noddsdale Water) which flows in the west of the map extract.

Describe the physical (natural) features of the river and its valley.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [7]

[Total: 20]

2 Study Fig. 2.1 (Insert), which shows a squatter settlement in Lima, Peru, an LEDC.

(a) Describe the housing shown in Fig. 2.1.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [5]

(b) The settlement in Fig. 2.1 is built on a steep slope. Using evidence from Fig. 2.1, suggest problems this might cause for the residents.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

3 Fig. 3.1 shows where tropical storms form.

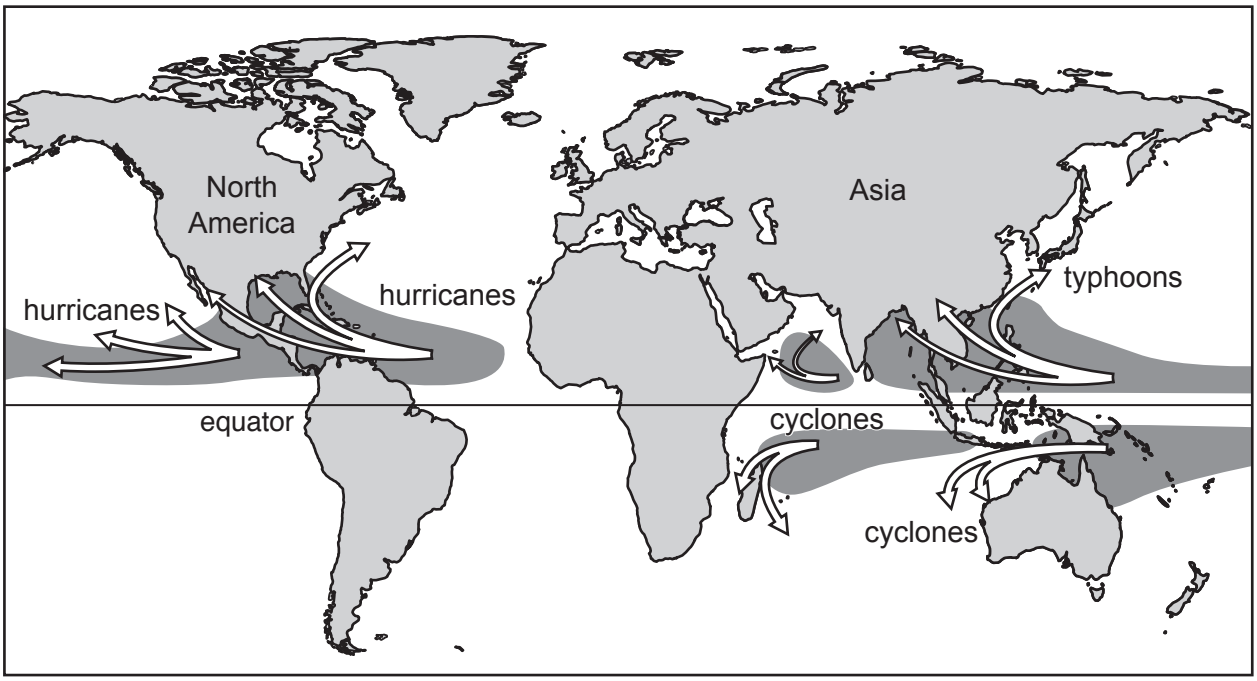


Fig. 3.1

(a) (i) Using Fig. 3.1, describe **two** physical conditions needed for a tropical storm to form.

1 .....

2 .....
[2]

(ii) What is the name of the tropical storms which affect southeast Asia, north of the equator?

..... [1]

(iii) In which direction do the hurricanes affecting the east coast of North America move?

..... [1]

© UCLES 2023

(b) Fig. 3.2 shows the global numbers of people killed by weather hazards from 1980 to 2018.

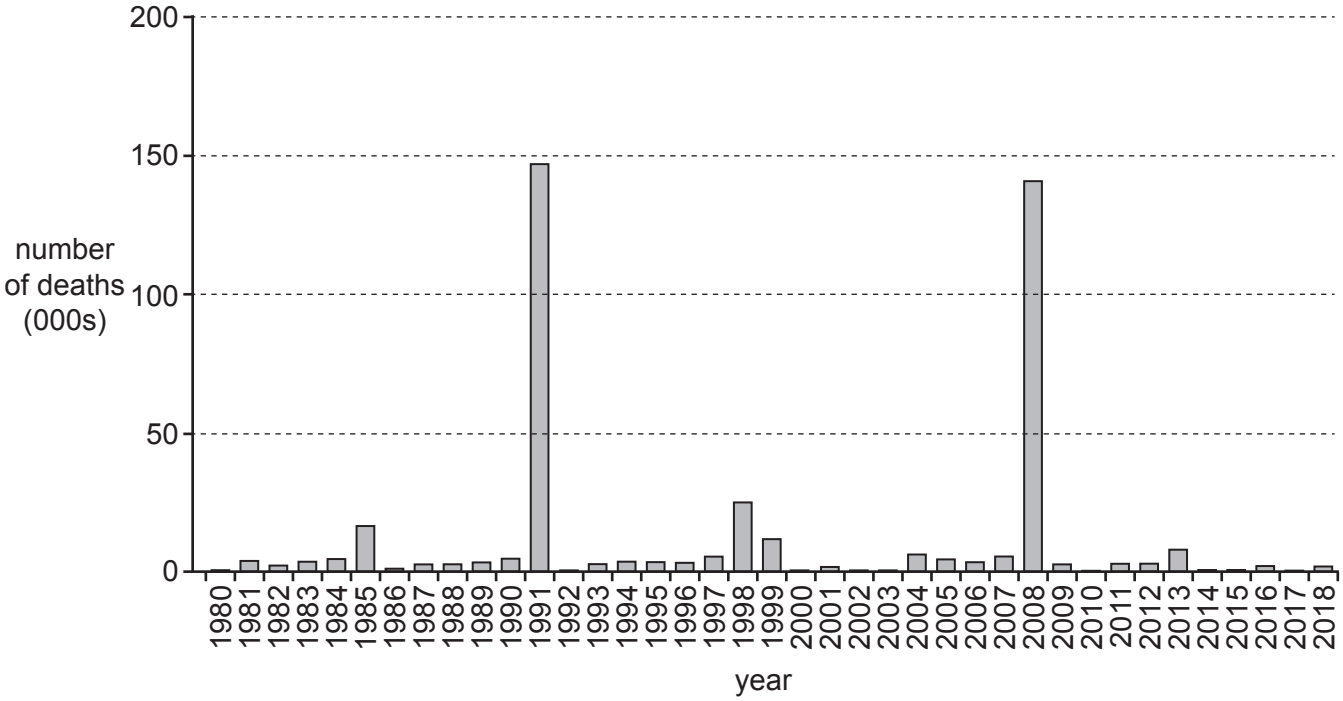


Fig. 3.2

(i) In which year were the most people killed by weather hazards?

..... [1]

(ii) Suggest reasons why the number of people killed by weather hazards varies each year.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

4 Study Figs. 4.1 and 4.2, which show information about an area of flooding in England, UK, an MEDC.

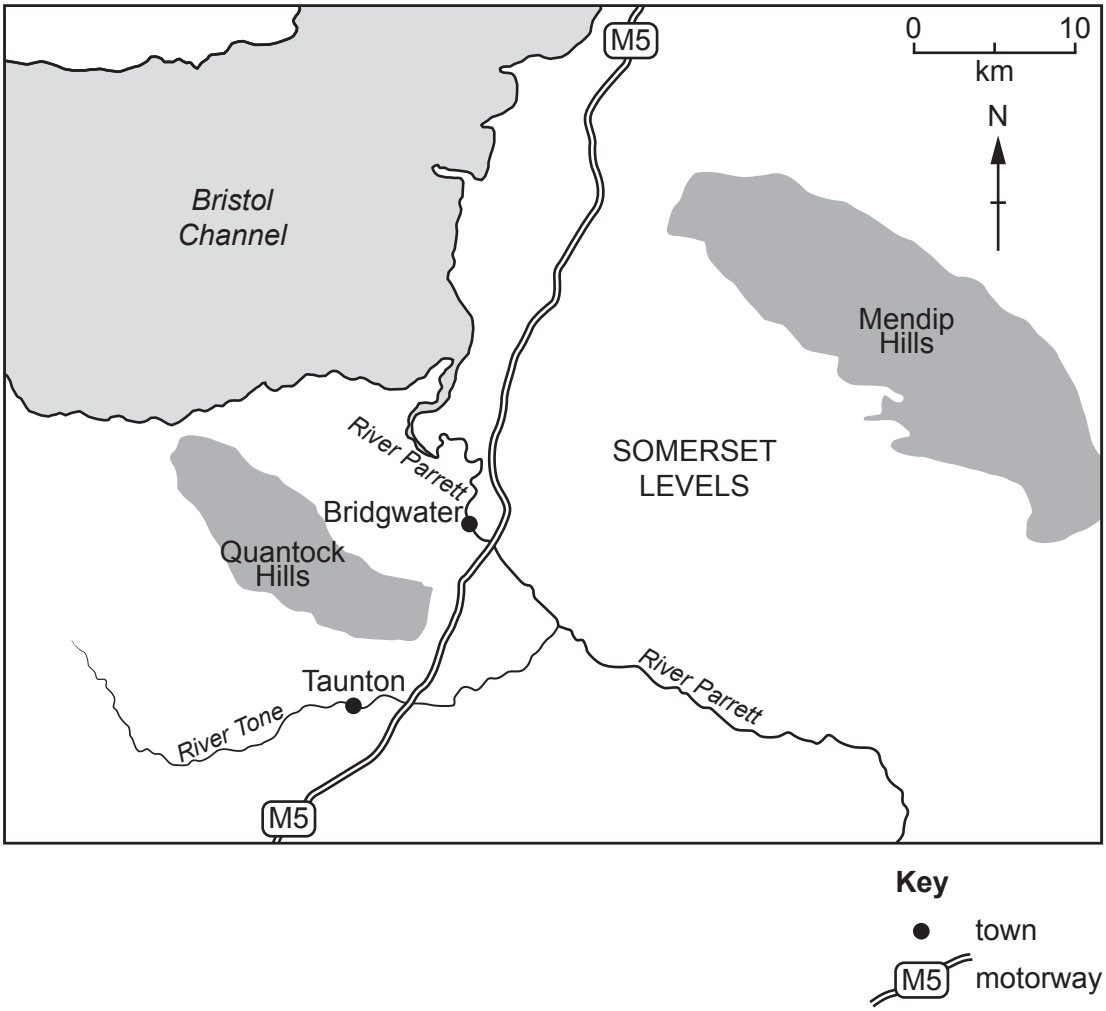


Fig. 4.1

The Somerset Levels is an area of low-lying land in south west England. From December 2013 to February 2014 the area was affected by severe flooding causing many farms to be cut off. Homes were flooded and many residents were evacuated as the flood water also mixed with sewage. It had been the wettest January since records began. After the flood water went down, a large-scale dredging project was undertaken to remove the silt which had been washed up the river from the Bristol Channel. A tidal barrier has been proposed to be built north of Bridgwater on the River Parrett. This will have gates that will close to prevent high tides flowing upstream from the Bristol Channel.

Fig. 4.2

© UCLES 2023

(a) **(i)** Identify the tributary of the River Parrett shown in Fig. 4.1.

..... [1]

(ii) Using Fig. 4.2, identify **four** physical factors which led to the flooding of the Somerset Levels.

1 .....

2 .....

3 .....

4 ..... [4]

(b) Suggest **three** reasons why local residents might be against the building of the tidal barrier.

1 .....

.....

2 .....

.....

3 .....

..... [3]

[Total: 8]

5 Study Fig. 5.1, which shows the relationship between food supply per person and life expectancy.

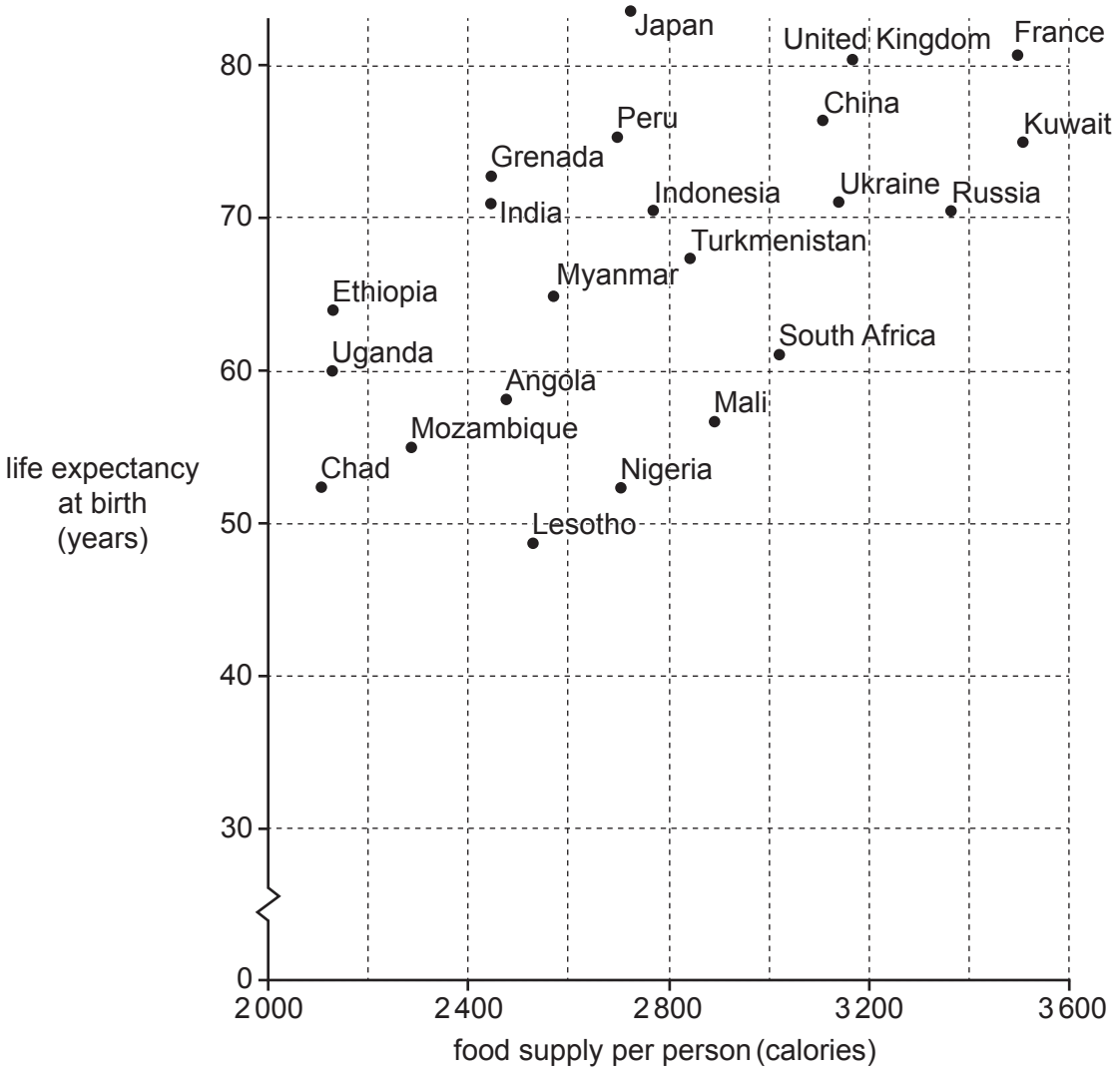


Fig. 5.1

(a) Describe the relationship between food supply per person and life expectancy.

.....

.....

.....

..... [2]

(b) (i) Suggest **two** natural (physical) causes of food shortages.

1 .....

.....

2 .....

..... [2]

(ii) Suggest how economic and political factors can cause food shortages.

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 8]

6 Study Fig. 6.1 (Insert), which shows a tourist destination in the Caribbean, a group of islands between North and South America.

(a) Using Fig. 6.1, describe **three** physical (natural) attractions of this tourist destination.

1 .....

.....

2 .....

.....

3 .....

..... [3]

(b) Fig. 6.2 shows the source of global carbon dioxide emissions produced by tourism.

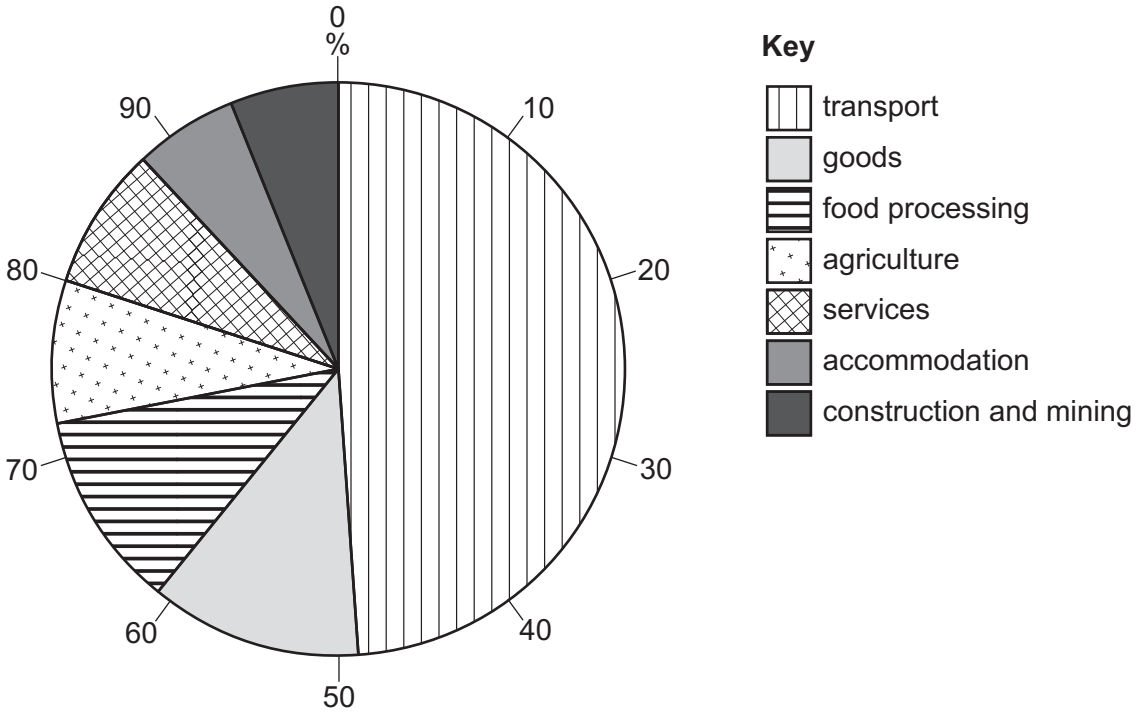


Fig. 6.2

(i) What percentage of carbon dioxide emissions is produced by agriculture?

.....% [1]

(ii) Suggest another type of graph which could be used to show the information in Fig. 6.2.

..... [1]

(c) Governments in the Caribbean wish to reduce the pollution produced by tourism. Suggest ways in which they could reduce the amount of carbon emissions produced by transport and agriculture.

Transport .....

.....

.....

.....

.....

.....

Agriculture .....

.....

.....

.....

.....

..... [3]

[Total: 8]

Additional pages

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

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

© UCLES 2023

© UCLES 2023

BLANK PAGE

The boundaries and names shown, the designations used and the presentation of material on any maps contained in this question paper/insert do not imply official endorsement or acceptance by Cambridge Assessment International Education concerning the legal status of any country, territory, or area or any of its authorities, or of the delimitation of its frontiers or boundaries.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.

© UCLES 2023