

Answer **all** questions.

1 Cluster 1: Geography in Everyday Life

A group of students in the United Kingdom wanted to investigate causes of air pollution in their city area and residents' opinions on strategies taken to reduce it. They went to the city area on a weekday and used a closed-ended questionnaire survey to collect the views of the residents.

They divided themselves into two groups, with one group interviewing the first 50 residents who are less than 50 years old and the other group interviewing the first 50 residents who are above 50 years old. Each group of students interviewed 50 residents.

They conducted their questionnaire at the location labelled X shown in Fig.1.1. A copy of their questionnaire is in Fig. 1.2 (Insert).

Land use map of the city area in the United Kingdom



Key:

Household goods store	
Supermarket	////
Convenience goods store	C
Specialist store non-food (e.g. florist, travel agent)	Sp
Personal services (e.g. hairdresser, nail parlour)	P
Charity shop	Ch
Cafe	CE
Offices	O
Vacant shop space	V

Fig. 1.1

(a) Explain the advantages and a safety concern of conducting their questionnaire at location X.

.....

.....

.....

.....

.....

.....

.....

.....

.....[3]

(b) The students collected some information on the types of air pollution and their origin. They represented the information in a comparative bar graph.

Table 1.1 shows the information collected by the students and Fig. 1.3 shows their partially completed graph.

Table 1.1

Types of air pollution and their origin

types of air pollution \ origin of air pollution (%)	transportation	fuel burning	industrial processes	construction and agriculture
carbon monoxide	85	5	10	0
dust and airborne particles	1	2	2	95
nitrogen oxides	49	47	4	0
sulfur oxides	3	85	10	2
others	35	3	62	0

Types of air pollution and their origin

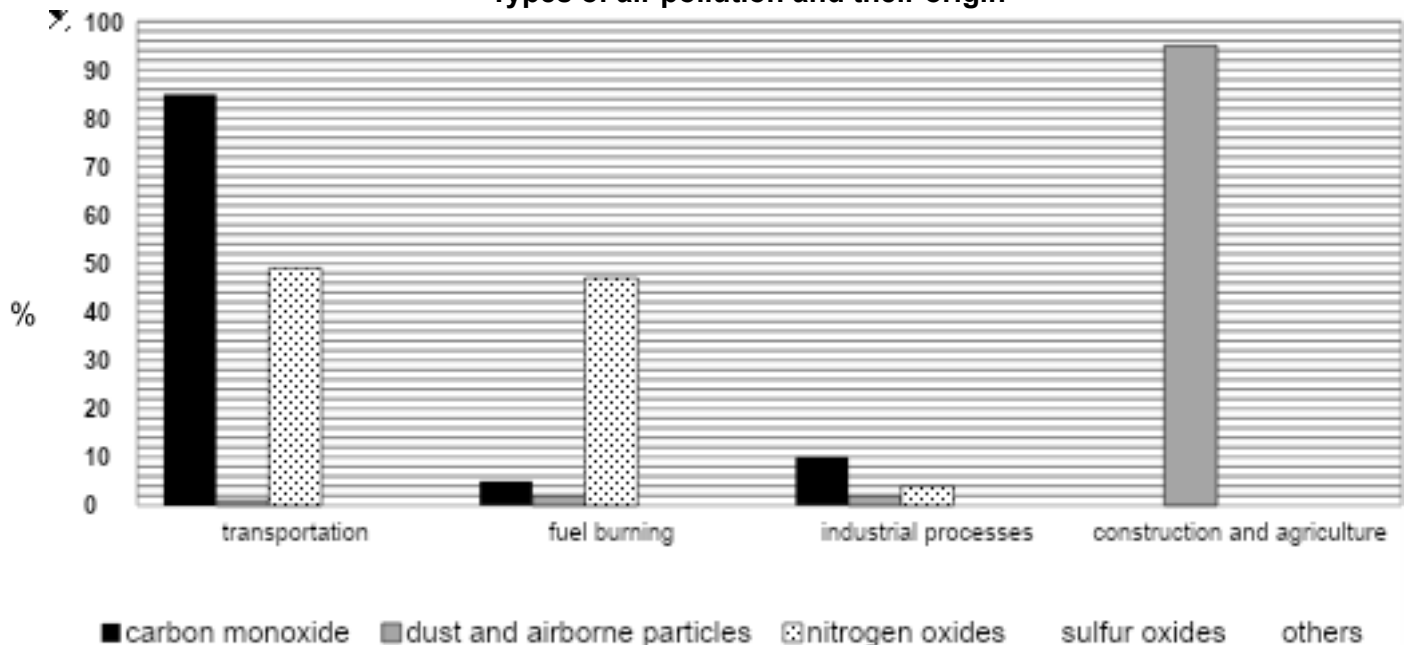


Fig. 1.3

- (i) Use the information in Table 1.1 to complete the bar graph in Fig. 1.3 for transportation and industrial processes. [2]
- (ii) Describe one other graphical method the students could use to present the data in Table 1.1.

.....

.

.....

.

.....
[2]

- (c) The students created a list of strategies to reduce air pollution and classified them as nature-based or policy-based. They wanted to test the hypothesis: *'People are more supportive of nature-based strategies compared to policy-based strategies to reduce air pollution'*.

When conducting the questionnaire, the students decided to show respondents photographs of how other cities have adopted these strategies to reduce pollution, as seen in Figs. 1.4A (Insert) and 1.4B (Insert).

Table 1.2 shows the results of the close-ended questionnaire survey conducted on respondents' opinion of strategies to reduce air pollution in their city.

Table 1.2

Respondents' opinion of strategies to reduce air pollution in their city

strategies to reduce air pollution	classification	<50 years old		> 50 years old	
		support the strategy	do not support the strategy	support the strategy	do not support the strategy
plant more trees	nature-based	41	9	32	18
promote green walls and green roofs	nature-based	30	20	29	21
create more green spaces and parks	nature-based	35	15	39	11
build extensive network of cycling lanes	policy-based	23	27	12	38
provide subsidies for electric cars	policy-based	39	11	42	8
introduce car free days on weekends	policy-based	21	29	9	41

- (i) To what extent does the data in Table 1.2 support the students' hypothesis?

.....

[3]

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[Total: 20]

2 Cluster 2: Tourism

(a) Study Fig. 2.1, which shows tourist arrivals to Thailand from 2015 to 2023.

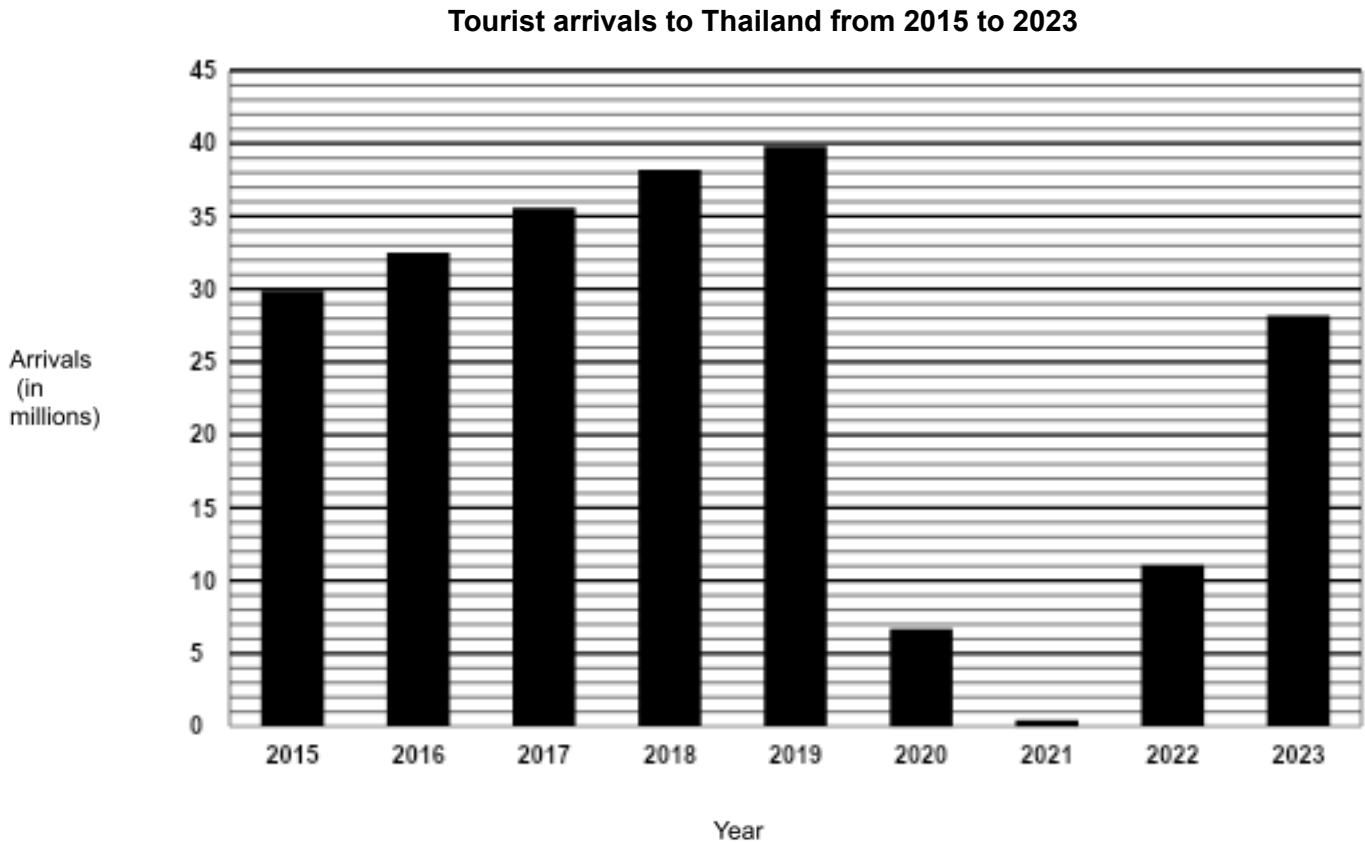


Fig. 2.1

Using Fig. 2.1, describe the trends in tourist arrivals to Thailand from 2015 to 2023.

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

(b) Study Fig. 2.2A (Insert), which shows the location of hotels in Saint Lucia, a country in the Caribbean, and Fig. 2.2B (Insert), which shows other information about Saint Lucia.

(i) Using Fig. 2.2A, describe the location of hotels in Saint Lucia.

.....
.....
.....
.....[2]

(ii) Using Figs. 2.2A and 2.2B, account for the location of hotels in Saint Lucia.

.....
.....
.....
.....
.....
.....
.....
.....[3]

(c) Describe how online media has influenced the rise of niche travel.

[2]

(d) Describe how tourism can result in positive environmental impacts.

.....[4]

[Total: 15]

3 Cluster 3: Climate

(a) Explain why corals and mangroves are important coastal ecosystems.

.....

.....

.....

.....

.....

.....

.....

.....[3]

(b) Study Fig. 3.1A (Insert), which shows the population density of the Netherlands, and Fig. 3.1B (Insert), which shows a simplified relief map of the Netherlands.

Using Figs. 3.1A and 3.1B, explain why the Netherlands faces a severe threat from climate change.

.....

.....

.....

.....

.....

.....

.....

.....[3]

- (c) 'Structural adaptation strategies are more effective than social adaptation strategies in building community resilience to climate change.'

How far do you agree with this statement? Explain your answer.

This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines, providing a guide for letter height and placement. The lines are evenly spaced across the entire page, which is otherwise blank.

Additional page

[illegible]

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

This image shows a full page of white paper designed for handwriting practice. It features 20 evenly spaced, horizontal dotted lines that run across the entire width of the page. The lines are thin and light gray, providing a guide for letter height and placement without being distracting. There is no text or other markings on the page.

.....

.....

.....

.....

BLANK PAGE

BLANK PAGE

Question 1(b)	Figure 1.3	© http://www.cambridgeinternational/igcse/2024
Question 1(c)	Figure 1.4A	© https://www.theguardian.com/environment/2023/feb/01/planting-trees-cities-cut-deaths-summer-heat-study
Question 1(c)	Figure 1.4B	© https://www.stefanoboeriarchitetti.net/en/project/vertical-forest
Question 2(a)	Figure 2.1	© https://www.statista.com/statistics/994693/thailand-number-international-tourist-arrivals/
Question 2(b)	Figure 2.2A Figure 2.2B	© https://www.pinterest.com/pin/pinrepincom--1829656091200542/
Question 2(c)	Figure 2.3	© https://www.worldatlas.com/maps/saint-lucia © https://www.huawei.com/en/tech4all/stories/restoring-mauritius-coral-reef-ecosystem
Question 3(b)	Figure 3.1A Figure 3.1B	© http://www.cambridgeinternational/igcse/2023 © http://www.cambridgeinternational/igcse/2023