

Preliminary Examinations 2025 Secondary Four Express

CANDIDATE NAME:

CLASS:

INDEX NUMBER:

GEOGRAPHY

2279/01

Paper 1

26 August 2025

1 hour 45 minutes

0800 - 0945

Additional Materials: Insert

READ THESE INSTRUCTIONS FIRST

Write your name, class and index number on all the work you hand in.

Write in dark blue or black pen.

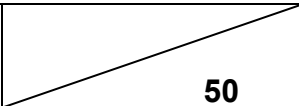
You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid/tape.

Answer **ALL** questions.

The Insert contains additional resources referred to in the questions.

The number of marks is given in brackets [] at the end of each question or part question.

Total Marks	 50
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1 Cluster 1: Geography in Everyday Life

A group of students from Horizon High School is interested to find out residents' perception of urban heat within a precinct. They want to investigate if the type of surface material influences the likelihood and frequency of residents spending time in various outdoor locations.

They tested the hypothesis: 'Residents prefer to visit outdoor locations with natural surfaces than artificial ones due to lower perceived heat.'

To prepare for their investigation, the students conducted a pilot survey on a Saturday afternoon. Fig. 1.1 shows an excerpt from their fieldwork journal that documents insights gained during the pilot survey.

Excerpt from the students' fieldwork journal on the pilot survey

Date: 5 May 2025

Time: 2:00 PM - 4:00 PM

Location: Ang Mo Kio Block 400s (near a small community garden)

Sample size: 10 residents

Notes: -

Managed to find respondents quite easily. Many residents were reluctant to stop for long interviews due to the heat. Administered a short closed-ended questionnaire and attempted mental mapping. Some participants found it hard to draw detailed maps from scratch. Q5 was interpreted differently by different respondents.

Fig. 1.1

- (a) (i) Suggest a measure that students could implement to mitigate a possible risk they may face during their investigation.

[2]

(ii) Using Fig. 1.1, suggest why conducting a pilot survey is important.

[2]

(b) The students decided to conduct a questionnaire to investigate their hypothesis near four different outdoor locations within the precinct: a playground with artificial turf, a community garden with natural soil, a basketball court with concrete surface, and a park lawn with grass.

(i) Explain why convenience sampling may not be an appropriate choice of sampling method for their investigation.

[4]

- (ii) Study Table 1.1 (Insert), which shows information the students collected with the questionnaire.

Using Table 1.1, describe the relationship between the residents' likelihood and frequency of visits to the different locations.

- (iii) Evaluate the usefulness of data collected in Table 1.1 in helping students understand residents' preferences for visiting outdoor locations due to perceived heat.

[illegible]

(iv) Figs. 1.2 and 1.3 show bar graphs representing the results of the questionnaire from Table 1.1.

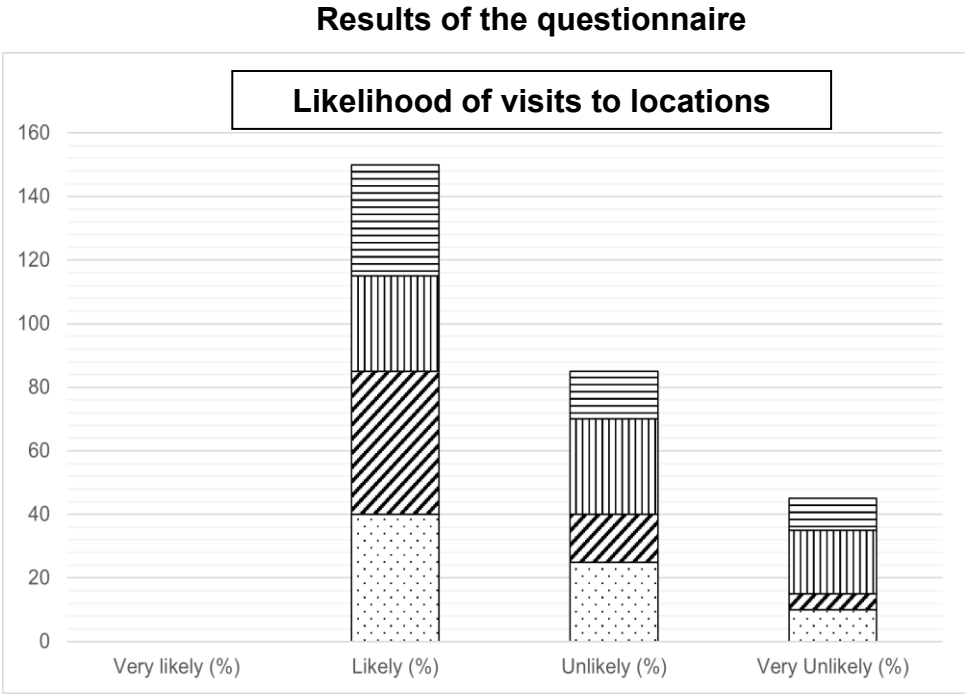


Fig. 1.2

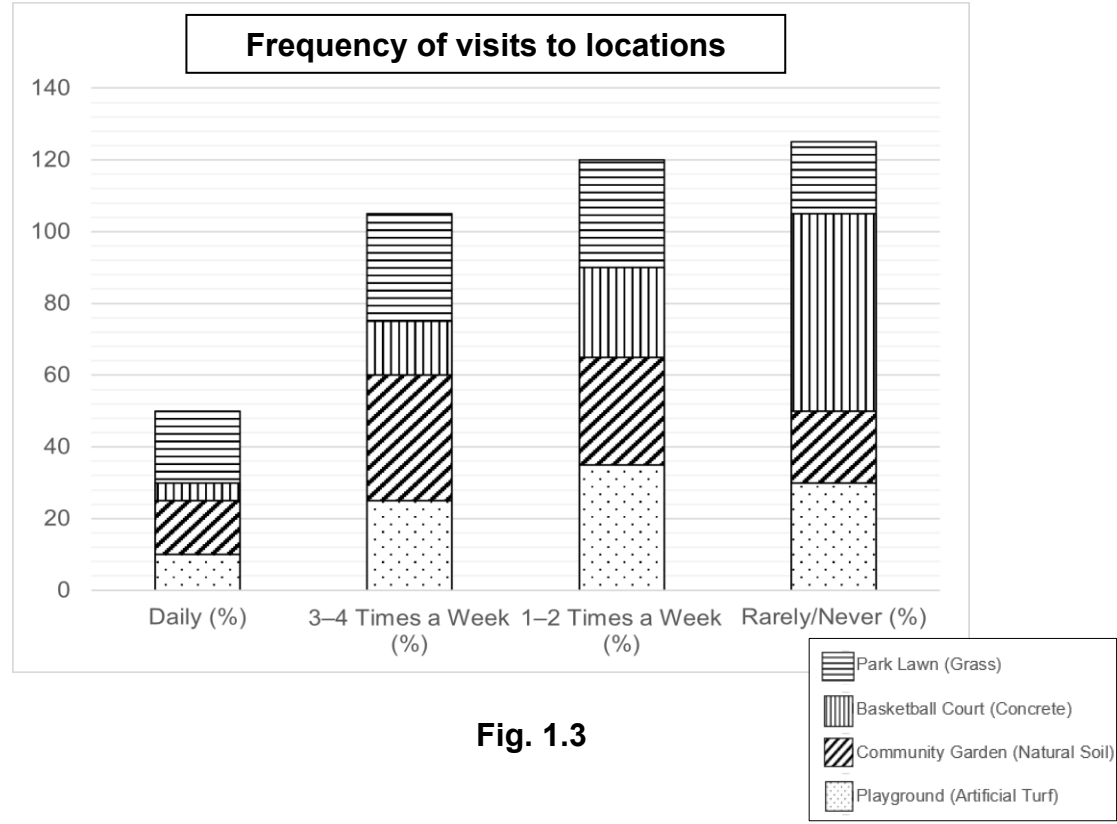


Fig. 1.3

Use information from Table 1.1 to complete the bar graph for the percentage of residents who are very likely to visit the four locations. [3]

[Total: 20 marks]

2 Cluster 2: Tourism

- (a) Study Fig. 2.1, which shows an excerpt about tourism in Shikoku and Tohoku, Japan.

Tourism in Shikoku and Tohoku, Japan

In rural Shikoku, Japan, the government partnered with local communities to promote it as a 'slow travel' destination by restoring historical towns and promoting traditional crafts. Disused railway lines were transformed into heritage trails. Old merchant houses were converted into stylish guesthouses, cafes and art spaces, combining heritage with modern aesthetics.

Street murals, creative workshops, and pop-up food events are regularly organised to provide interactive, Instagrammable experiences that blend culture and lifestyle. Digital marketing and influencer campaigns have been widely used to spotlight hidden gems, successfully drawing a younger, experience-seeking crowd.

Fig. 2.1

- (i) Using Fig. 2.1, identify the stage in the evolution of a tourist destination that Japan is in.

_____ [1]

(ii) Justify your answer in **(a)(i)**.

[3]

(b) Describe one way in which tourism can impact a country's culture negatively.

[2]

- (c)**

Global ecotourism market



(USD Billion)

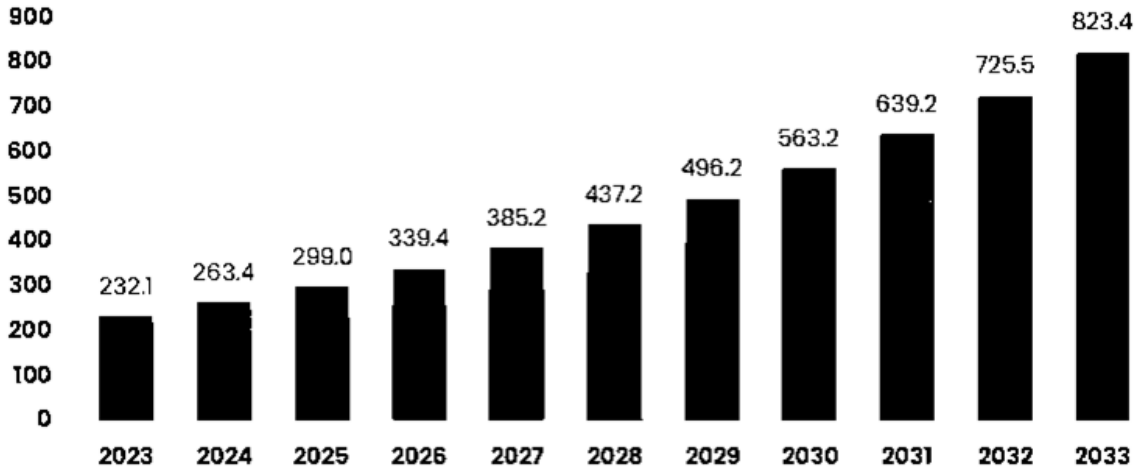
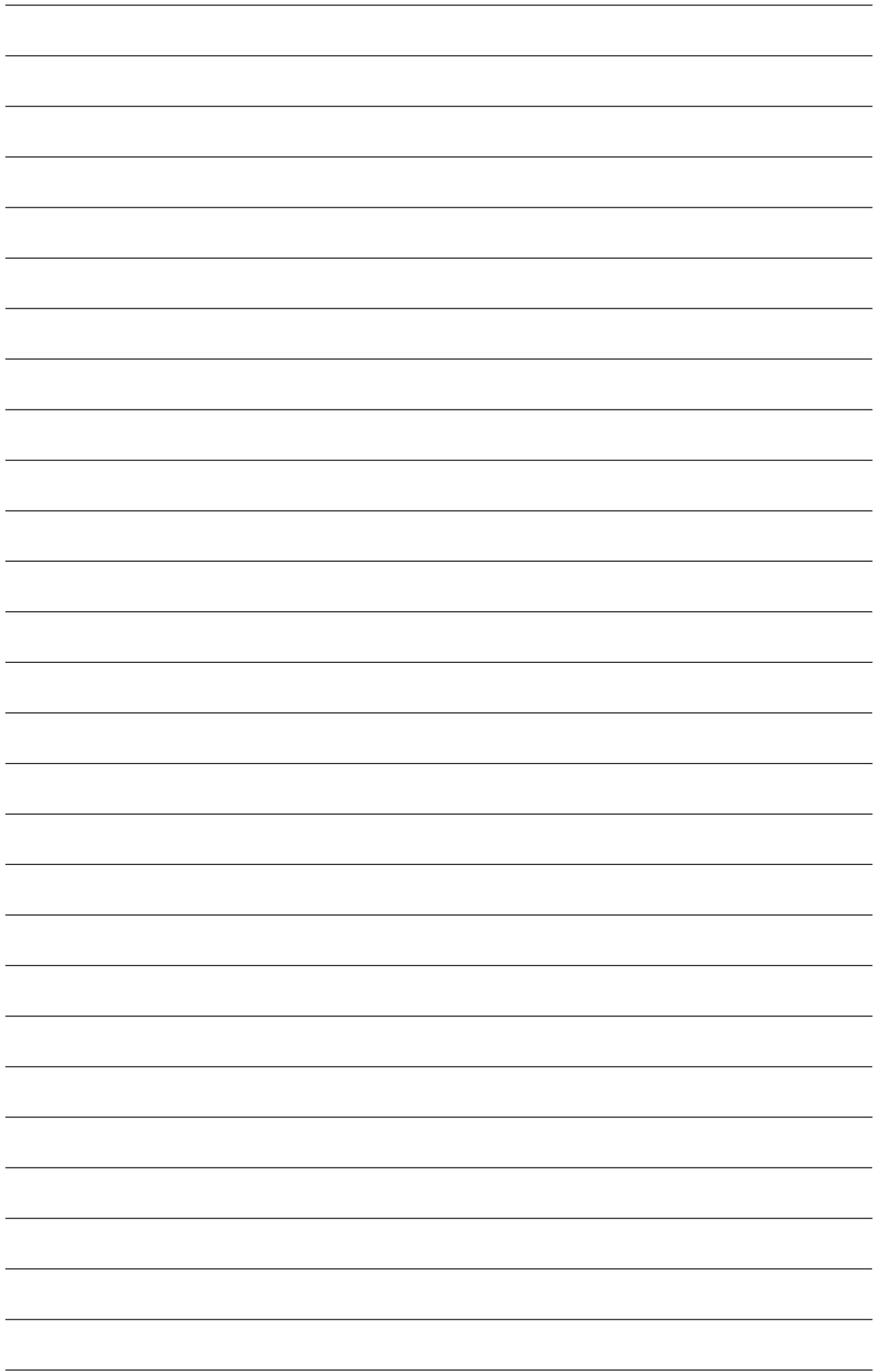


Fig. 2.3

'Community-based tourism is more effective than ecotourism in achieving sustainable tourism development.'

With reference to Figs. 2.2 and 2.3, to what extent do you consider this statement to be true? Explain your answer.

[illegible]



[9]

[Total: 15 marks]

3 Cluster 3: Climate

- (a)** Explain how temperature varies with altitude.

[4]

- (b)** Study Figs. 3.1 and 3.2 (Insert), which show the distribution of average temperatures in January and July.

Using Figs. 3.1 and 3.2, compare the average temperatures in January and July.

[illegible]

[4]

(c) Study Fig. 3.3 (Insert), which shows a climate graph.

Using Fig. 3.3, describe the climatic characteristics shown in the climate graph.

[illegible]

- (d) The table below lists strategies used to build community's resilience to climate change.

Table 3.1

Strategies to build community's resilience to climate change

Changes in consumption patterns
Building sea walls
Educating communities
Low carbon technologies

List the strategies found in Table 3.1 in the relevant categories in the space below. Each strategy should only be used once.

Mitigation strategies: _____

Adaptation strategies: _____

[3]

[Total: 15 marks]

Additional page

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

[illegible]

Additional page

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

[illegible]

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Acknowledgements:

- Fig. 2.2 <https://www.undp.org/thailand/blog/community-based-tourism-empowering-local-champions-sustainable-tourism-thailand>
- Fig. 2.3 <https://market.us/report/ecotourism-market/>
- Fig. 3.1 <https://www.clearias.com/distribution-of-temperature-earths-atmosphere/>
- Fig. 3.2 <https://www.clearias.com/distribution-of-temperature-earths-atmosphere/>