



Cambridge IGCSE™

GEOGRAPHY

0460/41

Paper 4 Alternative to Course work

May/June 2025

INSERT

1 hour 30 minutes

INFORMATION

- This insert contains additional resources referred to in the questions
- You may annotate this insert and use the blank pages for planning. **Do not write your answers** on the insert.



This document has **8** pages. Any blank pages are indicated.

Fig. 1.1 for Question 1

Pudong, Shanghai



Fig. 1.2 for Question 1

Five fieldwork areas in Pudong

	area of Pudong	brief description of the area
CBD ↑ ↓ rural-urban fringe	Lujiazui	high-rise office buildings
	Shangbeng Road	office buildings and government offices
	Yuanfeng Road	mixture of old and new residential buildings
	Yanlord	newer suburban residential area
	Sunland	large shopping mall

Table 1.1 for Question 1

Percentage (%) of land use in the five fieldwork areas

use of building	area of Pudong				
	Lujiazui	Shangcheng Road	Yuanshen Road	Yanlord	Sunland
residential	0	5	55	73	5
shops	37	27	18	14	81
offices	58	64	4	0	10
other	5	4	23	13	4

Other uses include public buildings, transport, entertainment and buildings under construction.

Fig. 1.5 for Question 1

Extract from a student's fieldwork notebook

We stood at a bus stop point in the area. My group worked on Shangcheng Road. Two students counted the number of people who passed them in five minutes. Two other students counted the number of vehicles which passed them during the same time. They used a 'clipboard' to record each person and vehicle. Another student timed five minutes using their phone.

Table 1.2 for Question 1

Results of traffic and pedestrian counts

	area of Pudong				
	Lujiazui	Shangcheng Road	Yuanshen Road	Yanlord	Sunland
	CBD ←————→ rural-urban fringe				
vehicles	88	50	48	21	20
pedestrians	60	28	55	41	66

Fig. 2.1 for Question 2

Possible transect lines

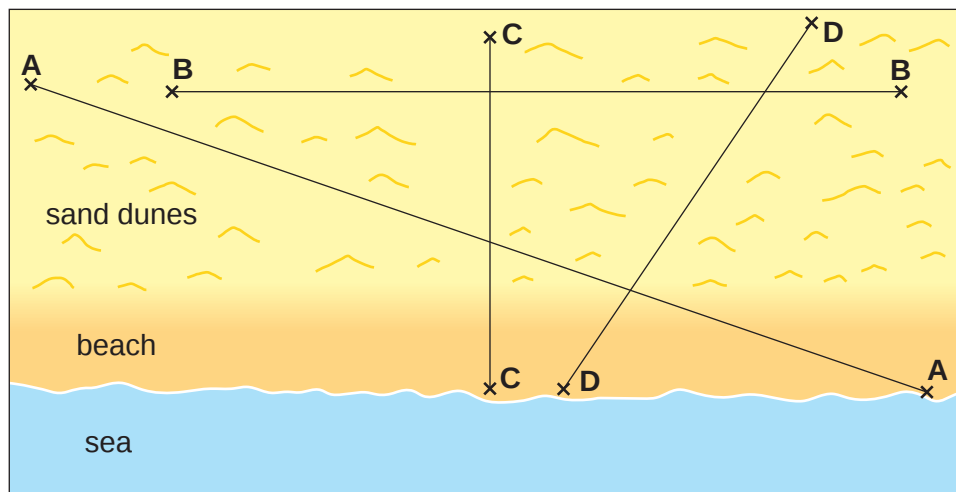


Fig. 2.2 for Question 2

A clinometer app on a phone

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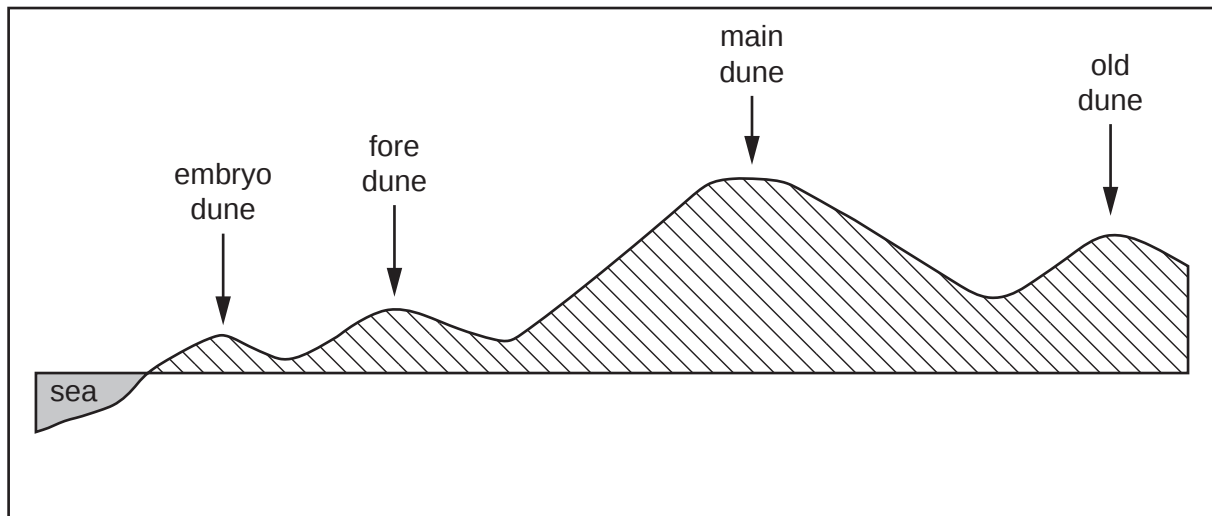
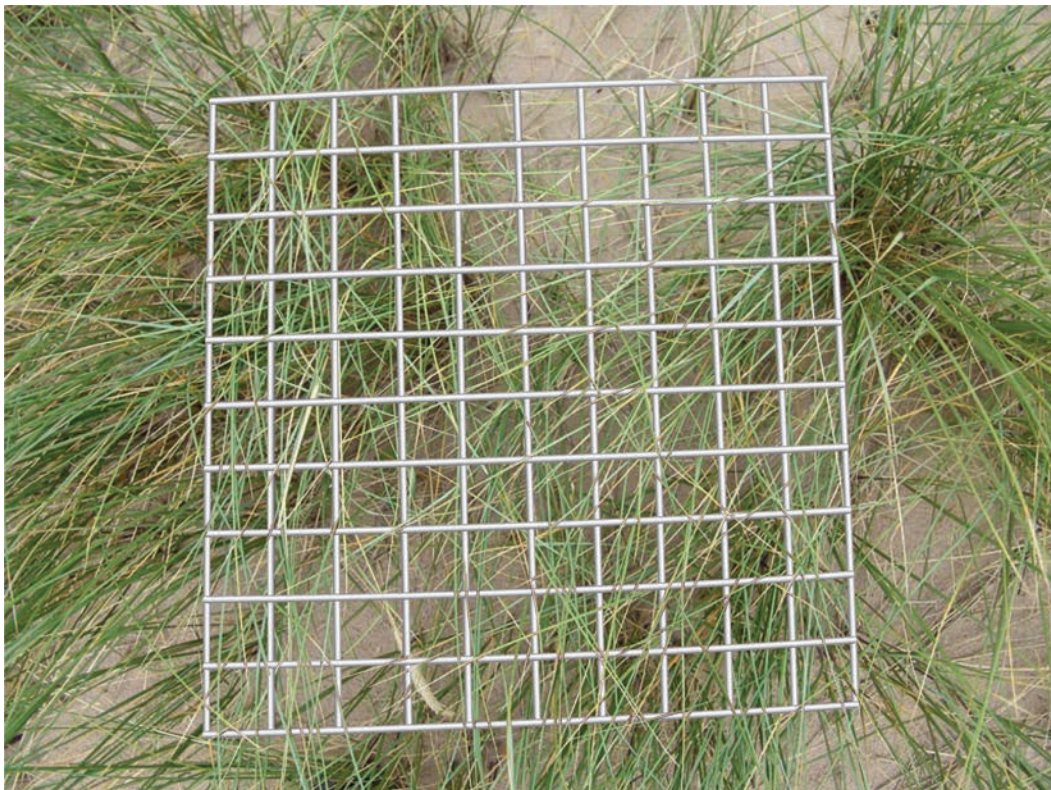
Fig. 2.4 for Question 2**Textbook profile of sand dunes****Fig. 2.5 for Question 2****Quadrat placed on sand dunes**

Table 2.1 for Question 2

Vegetation cover on the sand dunes

distance from sea (m)	percentage (%) of quadrat area covered by different types of vegetation			
	reeds	heather	marram grass	couch grass
0	beach			
20	10	0	0	0
40	20	0	0	0
60	0	0	10	0
80	0	30	15	0
100	0	25	0	0
120	0	0	10	0
140	0	30	15	0
160	0	40	20	0
180	0	25	45	20
200	0	10	60	10
220	0	0	80	10
240	0	0	70	10

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