Cambridge Assessment
International Education

Cambridge IGCSE™

GEOGRAPHY **0460/42**

Paper 4 Alternative to Coursework **October/November 2023**

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 spaces for planning. **Do not write your answers** on the insert.

This document has **12** pages. Any blank pages are indicated.

Fig. 1.1 for Question 1

Beach where students did fieldwork

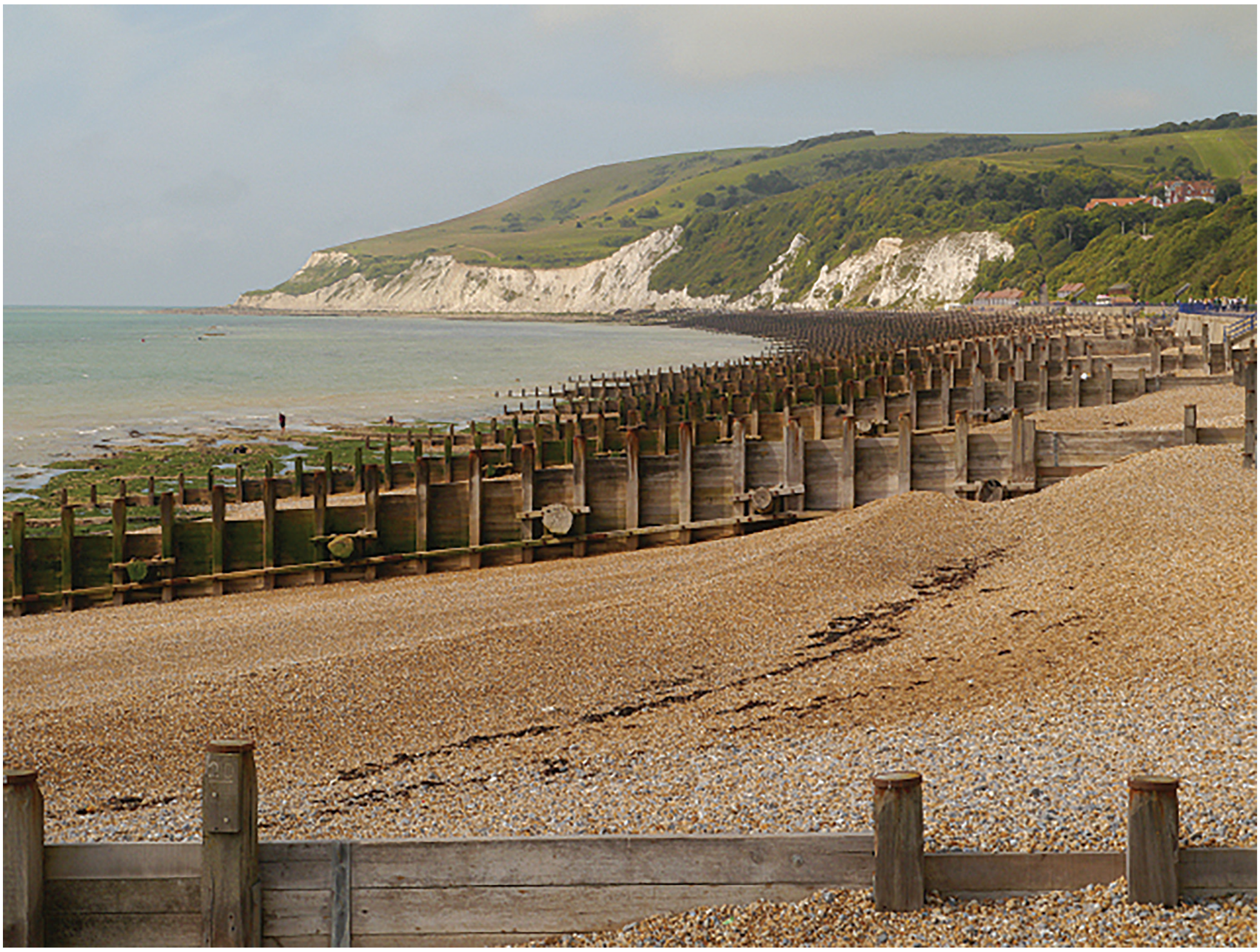


Fig. 1.2 for Question 1

Example of measurements made by the students

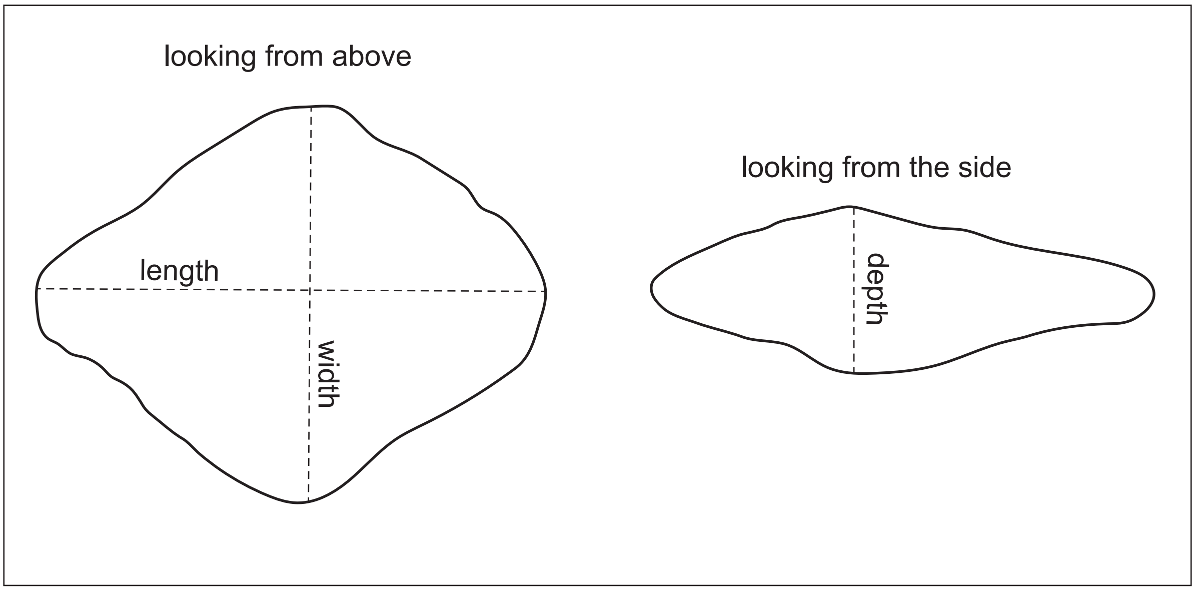


Table 1.1 for Question 1

Average size of beach material at the ten sites

	distance from north groyne (m)	average size of beach material (mm)
north groyne		
	10	94
	20	**91**
	30	70
	40	56
	50	60
	60	53
	70	63
	80	48
	90	53
	100	36
south groyne		

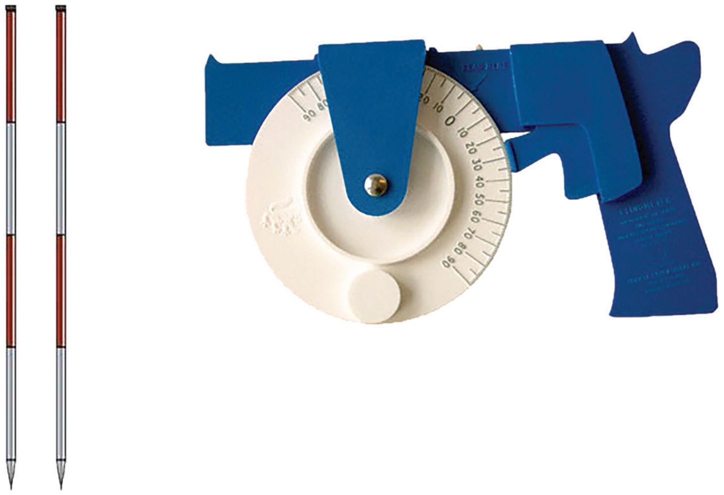
Table 1.2 for Question 1

Average size of beach material samples at site 3 which is 50 m from the sea

beach material sample number	average size (mm)
1	103
2	127
3	125
4	86
5	123
6	81
7	32
8	90
9	125
10	170
11	81
12	24
13	19
14	176
15	147
16	96
17	71
18	120
19	52
20	97

Fig. 1.7 for Question 1

Fieldwork equipment used to measure the beach profile



ranging poles

clinometer

tape measure

Fig. 2.1 for Question 2

Quarry in the Peak District

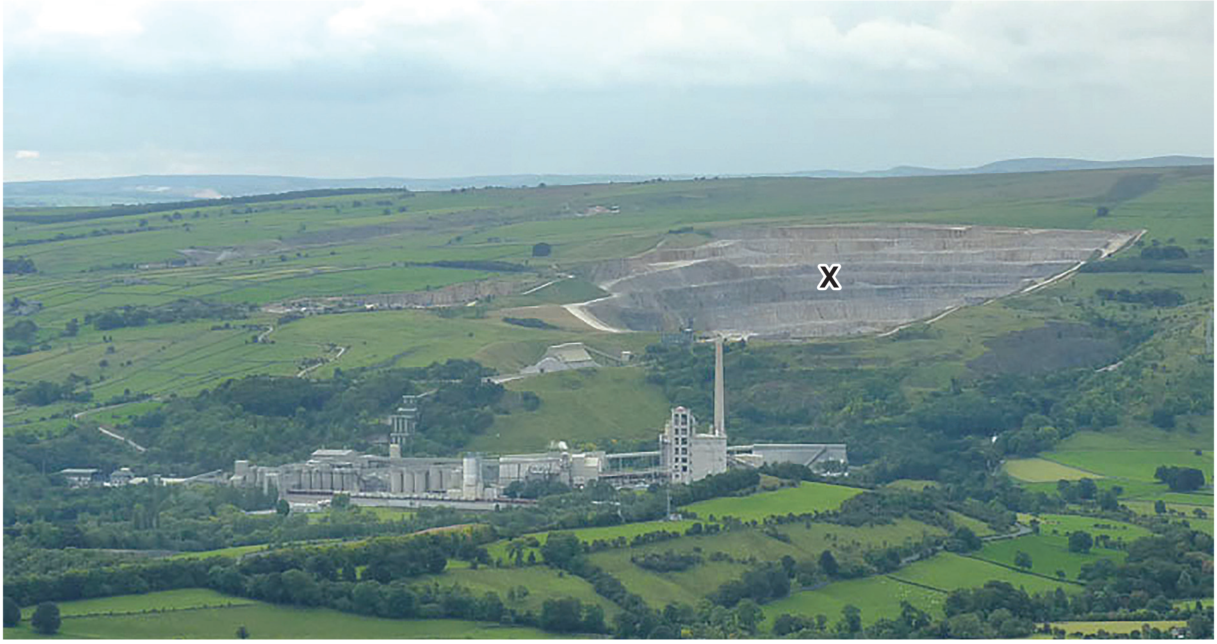


Table 2.1 for Question 2

Employment in the Peak District

industry	people employed (%)
tourism	24
manufacturing	19
quarrying	12
agriculture	**12**
others (includes transport, services and offices)	**33**

Table 2.2 for Question 2

Impacts of the quarry on the local area

benefits of the quarry	**number of answers**	**problems caused by the quarry**	**number of answers**
It provides employment for local people.	41	Lorries going to and from the quarry are noisy.	45
Workers spend money in local shops.	30	Lorries are too big for local roads and damage the pavement.	38
The quarry owner supports the local community.	17	Dust from quarrying covers houses and cars.	**36**
Disused areas of the quarry are landscaped for leisure facilities.	11	The noise from blasting can be heard.	**20**
		It spoils the view of the natural landscape.	**17**
total	99	total	156

Table 2.3 for Question 2

Overall opinion of residents

the quarry is	**percentage (%) of answers**	**the quarry is**	**percentage (%) of answers**
good for the local area	37	bad for the local area	63

Table 2.4 for Question 2

Effect of the quarry on different businesses

type of business	**how much the business was affected (% of answers)**		
	greatly	**a little**	**not at all**
farming	66	18	16
hotels and restaurants	73	15	12
shops	33	39	28
transport	51	**30**	**19**

Fig. 2.6 for Question 2

Developments in a disused quarry

Walking trail

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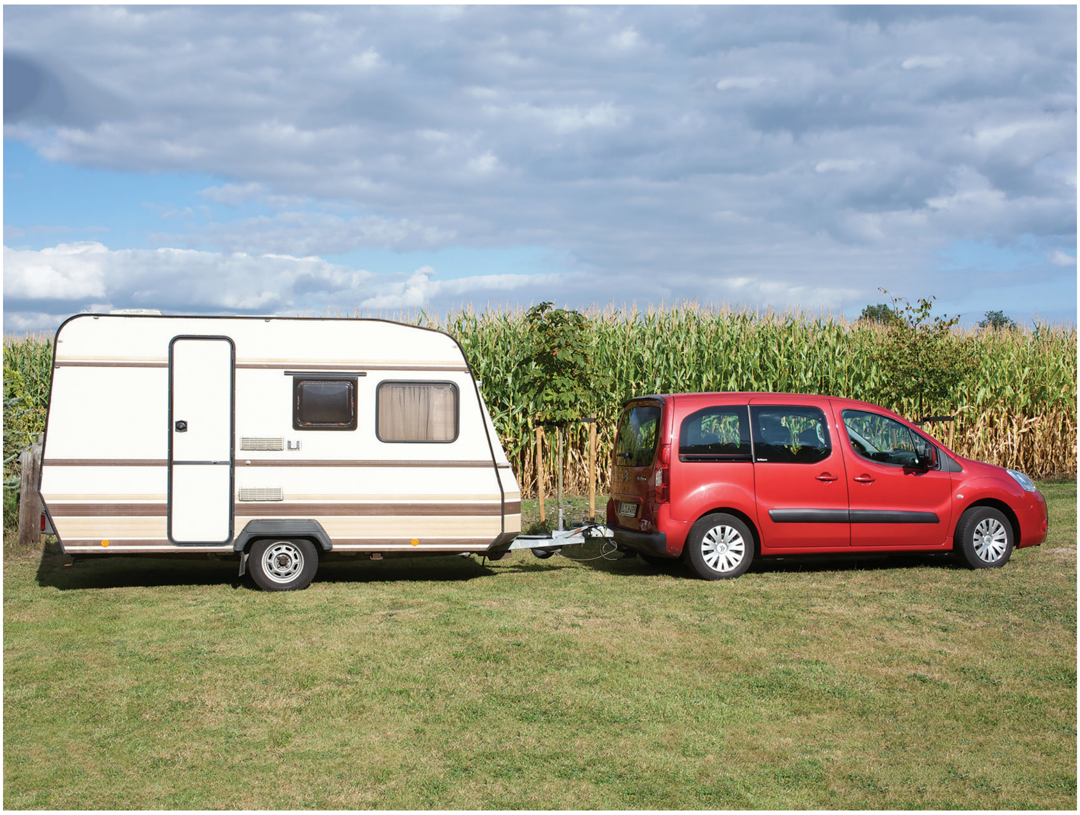
Caravan site



Mountain biking

Fishing lake

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