

Cambridge IGCSE[™]

GEOGRAPHY	0460/41
Paper 4 Alternative to Coursework	May/June 2021
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

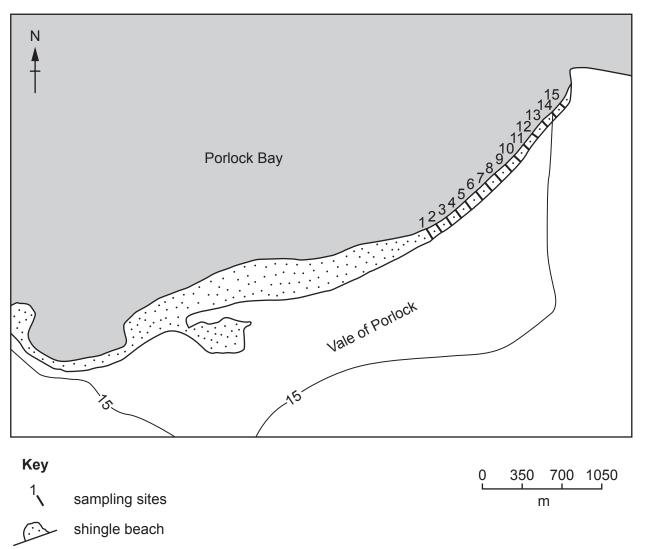
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Porlock Bay



Fig. 1.2 for Question 1

Fieldwork sampling sites



_15— contour line (m)

Fig. 1.3 for Question 1

Fieldwork equipment



Table 1.1 for Question 1

Results of students' measurements

Sampling site	Distance along beach (m)	Mean (average) length of long axis (cm)
1	0	8.4
2	120	8.5
3	240	7.7
4	360	8.1
5	480	6.6
6	600	6.4
7	720	6.2
8	840	7.2
9	960	6.8
10	1080	6.2
11	1200	6.5
12	1320	5.8
13	1440	4.8
14	1560	5.0
15	1680	5.1

https://xtremepape.rs/

Fig. 1.5 for Question 1

Roundness index

roundness classes	very angular	angular	slightly angular	slightly rounded	rounded	very rounded
		A CONTRACTOR				
roundness score	1	2	3	4	5	6

Table 1.3 for Question 1

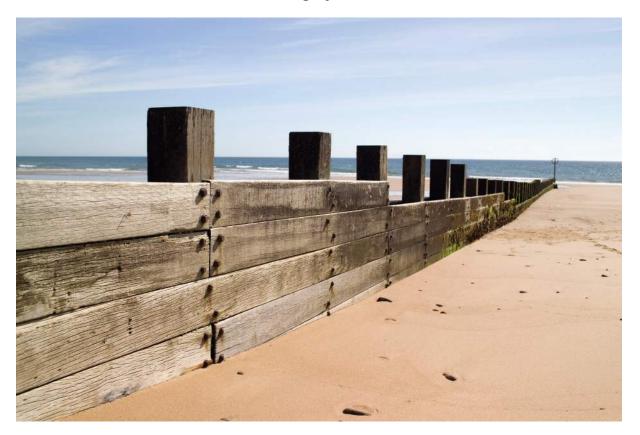
Total roundness index scores

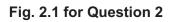
Sampling site	Distance along beach (m)	Total index score
1	0	27
2	120	48
3	240	36
4	360	58
5	480	33
6	600	45
7	720	31
8	840	50
9	960	39
10	1080	40
11	1200	34
12	1320	31
13	1440	38
14	1560	52
15	1680	41

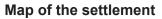
Fig. 1.7 for Question 1

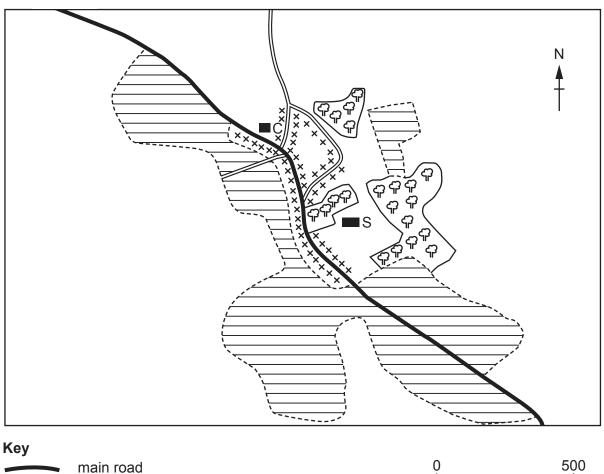
7

A groyne









main road

other roads

original village

areas of housing built since 1980

woodland

church

secondary school S

Table 2.1 for Question 2

m

Population growth in the settlement

year	population
1961	2890
1971	3600
1981	4420
1991	6090
2001	7650
2011	8970
2017	9400

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Fig. 2.3 for Question 2

Resident questionnaire

Table 2.3 for Question 2

Answers to Question 1 How long have you lived in the town?

number of years	percentage of answers
0 to 9	11
10 to 19	36
20 to 29	28
30 to 39	19
40 and over	6

Table 2.4 for Question 2

Answers to Question 2 How far do you travel to your workplace?

distance (km)	percentage of answers
0 to 10	21
11 to 20	22
21 to 30	27
31 to 40	20
41 to 50	7
more than 50	3

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