

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

INTERNATIONAL A-LEVEL GEOGRAPHY

Paper 5 Fieldwork and Geographical Skills

Monday 19 January 2026

07:00 UK Time

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do **not** write outside the box around each page or on blank pages.
- All working must be shown.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this answer book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
6	
TOTAL	



Section A

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section A**.

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Outline why scatter graphs are used to analyse geographical data.

[4 marks]

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4



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0 3



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Students investigated the difference between samples of beach sediment in two locations at Pebble Beach on the north-east coast of Oman.

Figure 2 shows part of Pebble Beach.

Figure 2



The students collected samples of sediment data from two locations, South Beach and North Beach, 5 km apart.

Each sample consisted of 15 pieces of sediment. The students measured the length of each piece of sediment.

The students were investigating the hypothesis that sediment at South Beach was less varied in length than sediment at North Beach.

Question 3 continues on the next page

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The students started to analyse the data using standard deviation to compare the samples. This is shown in **Table 1**.

Table 1

North Beach sediment sample			South Beach sediment sample		
Length (mm) x	$x - \bar{x}$	$(x - \bar{x})^2$	Length (mm) x	$x - \bar{x}$	$(x - \bar{x})^2$
71	14.27	203.63	15	-10.93	119.46
92	35.27	1243.97	17	-8.93	79.74
50	-6.73	45.29	24	-1.93	3.72
32		611.57	19	-6.93	48.02
54	-2.73	7.45	7	-18.93	358.34
19	-37.73	1423.55	12	-13.93	194.04
33	-23.73	563.11	32	6.07	36.84
41	-15.73	247.43	25	-0.93	0.86
47	-9.73	94.67	41	15.07	227.10
102	45.27	2049.37	18	-7.93	62.88
57	0.27	0.07	35	9.07	82.26
65	8.27		42	16.07	258.24
75	18.27	333.79	28	2.07	4.28
71	14.27	203.63	29	3.07	9.42
42	-14.73	216.97	45	19.07	363.66
$\sum x = 851$		$\sum (x - \bar{x})^2 = 7312.89$	$\sum x = 389$		$\sum (x - \bar{x})^2 = 1848.86$
$\bar{x} =$		$\sigma =$	$\bar{x} = 25.93$		$\sigma = 11.10$

Key	
$\bar{x}$ = mean	$\bar{x} = \sum x / n$
σ = standard deviation	$\sigma = \sqrt{\frac{\sum (x - \bar{x})^2}{n}}$
x = individual value	
n = number in the sample	
$\sum$ = sum of	



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Complete **Table 1** for the North Beach sample.

Use the key to calculate the standard deviation to 2 decimal places.

Show your working below. Enter your result into **Table 1**.

[6 marks]

Working

Question 3 continues on the next page

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0 3 . 2

The student obtained a larger sample of 100 pieces of sediment from each location to investigate the hypothesis that the sediment at South Beach had a more rounded shape than the sediment at North Beach.

They judged sediment shape according to how well they matched the categories shown in **Figure 3**.

Figure 3 – the sediment shape chart

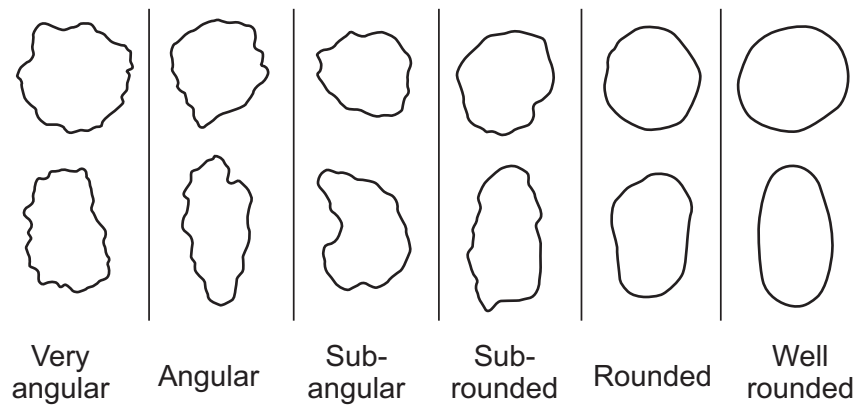


Table 2 shows the sediment shape data collected from the two locations.

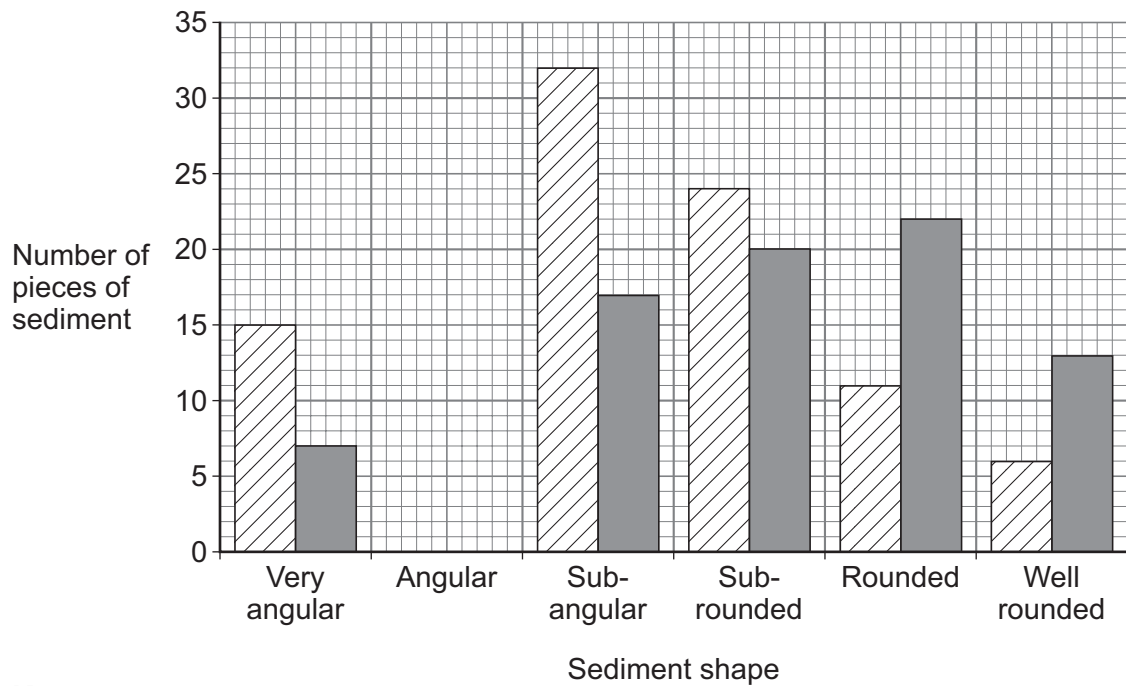
Table 2

Sediment shape	North Beach	South Beach
	Number of pieces of sediment	Number of pieces of sediment
Very angular	15	7
Angular	12	21
Sub-angular	32	17
Sub-rounded	24	20
Rounded	11	22
Well rounded	6	13



Figure 4 shows the data in **Table 2** presented as a partly completed comparative bar chart.

Figure 4



Key

 North Beach  South Beach

Complete **Figure 4** using the angular shape data from **Table 2**.

[2 marks]

Sediment shape	North Beach	South Beach
	Number of pieces of sediment	Number of pieces of sediment
Angular	12	21

0 3 . 3

State the mode sediment shape for South Beach.

[1 mark]

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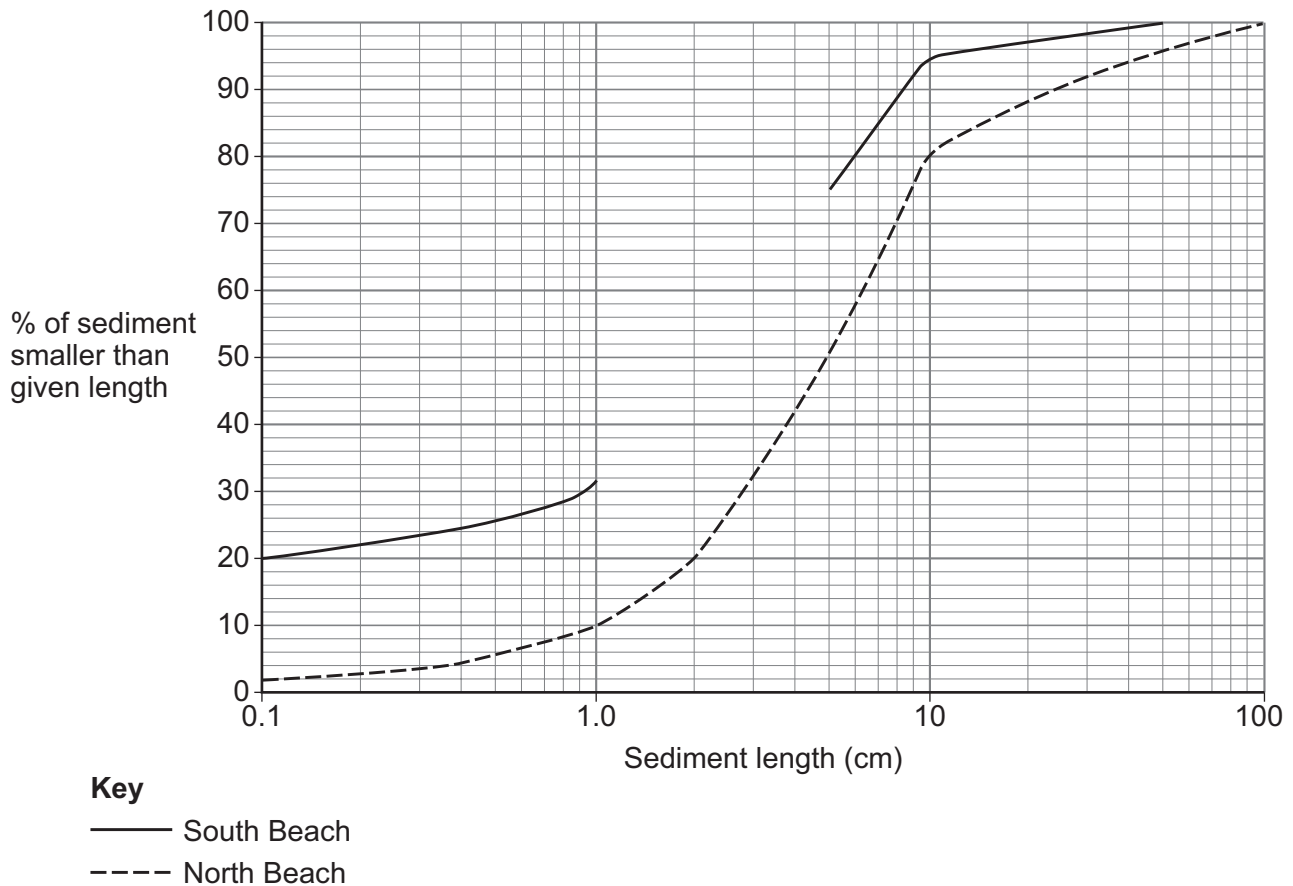


0 3 . 4

The students did some background reading for this investigation. They obtained some secondary data about the distribution of the sediment length at the two locations.

Figure 5 shows the distribution of the sediment length data on a partly completed line graph.

Figure 5



Complete the line graph for South Beach using the data in **Table 3**.

[2 marks]

Table 3

Sediment length (cm)	% of sediment smaller than given length
2.0	50



Figure 5 uses a logarithmic scale for sediment length.

[3 marks]

Analyse the data shown in the completed **Table 1**, **Table 2**, and the completed **Figure 4** and completed **Figure 5**.

[6 marks]

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Assess the value of using measures of dispersion (range, inter-quartile range and standard deviation) in the analysis of geographical data.

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Geographical fieldwork uses ICT skills such as the use of remotely sensed data, electronic databases and innovative data sources such as crowd sourcing and 'big data'.

[9 marks]

[illegible]



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END OF SECTION A

Turn over for Section B

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Section B

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section B**.

0 6

You have experienced geography fieldwork as part of your course. Use this experience to answer Questions **06.1** and **06.2**.

State the aim(s) of your enquiry.

0 6 . 1

Describe the health and safety aspects you considered and how you applied them to your enquiry.

[6 marks]

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Describe and justify **one** type of sampling (random, systematic or structured/stratified) used to collect data in your enquiry.

[9 marks]

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END OF QUESTIONS



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