



Surname _____

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GCSE GEOGRAPHY

8035/3

Paper 3 Geographical Applications

Monday 11 June 2018 Afternoon

Time allowed: 1 hour 15 minutes

For this paper you must have:

- the Pre-release resources booklet (enclosed)
- the OS map legend (enclosed)
- a pencil
- a rubber
- a ruler.

You may use a calculator.

At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.

[Turn over]



J U N 1 8 8 0 3 5 3 0 1

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INSTRUCTIONS

- Use black ink or black ball-point pen.
- Answer ALL questions.
- You must answer the questions in the spaces provided. Do not write on blank pages.
- Do all rough work in this 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 76.
- Spelling, punctuation, grammar and specialist terminology will be assessed in Questions

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2

 and

0	5
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 .

4

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DO NOT TURN OVER UNTIL TOLD TO DO SO



For the multiple-choice questions, completely fill in the circle alongside the appropriate answer.

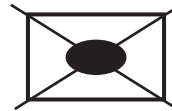
CORRECT METHOD



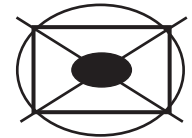
WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



SECTION A Issue evaluation

Answer ALL questions in this section.

Study FIGURE 1, 'Water in the United Kingdom' in the resources booklet.

0 1 . **1** Which of the following cities has the highest annual rainfall?

Shade ONE circle only. [1 mark]

- A Bristol
- B Glasgow
- C Liverpool
- D London

0 1 . **2** Give TWO effects of water stress. [2 marks]

1 _____

2 _____

[Turn over]



0 1 . 3

‘Water transfer schemes will be essential to meet the growing demand for water in the UK.’

Do you agree? Explain your answer.
[6 marks]



[Turn over]



0 1 . 4

Suggest why water companies need 25-year plans. [6 marks]



Study **FIGURE 2**, 'Managing water demand in Oxfordshire' in the resources booklet.

0 2 . **1** What is the approximate area of the proposed reservoir as shown on the Ordnance Survey (OS) map extract?

Shade **ONE** circle only. [1 mark]

A 3 km²

B 6 km²

C 6 km²

D 12 km²

0 2 . **2** Describe the relief of the land in the area of the proposed reservoir. [2 marks]



0 2 . 3

Give ONE reason why clay is a suitable material on which to build a reservoir.
[1 mark]

4

[Turn over]



SECTION B Fieldwork

Answer ALL questions in this section.

Study FIGURE 4, information collected by students about visitors to Bournemouth, a coastal town in Dorset.

FIGURE 4

Survey of 100 people staying in a hotel
(carried out by questionnaire on a Saturday in August)

Origins of visitors (Where people came from)	
Scotland	4
North East	8
Yorkshire and the Humber	6
East Midlands	14
East Anglia	6
South East	20
South West	12
Wales	4
West Midlands	16
North West	8
Northern Ireland	2

Visitor spending	
Accommodation	19%
Shopping	22%
Food and drink	30%
Attractions and entertainment	11%
Travel	15%
Other	3%

[Turn over]

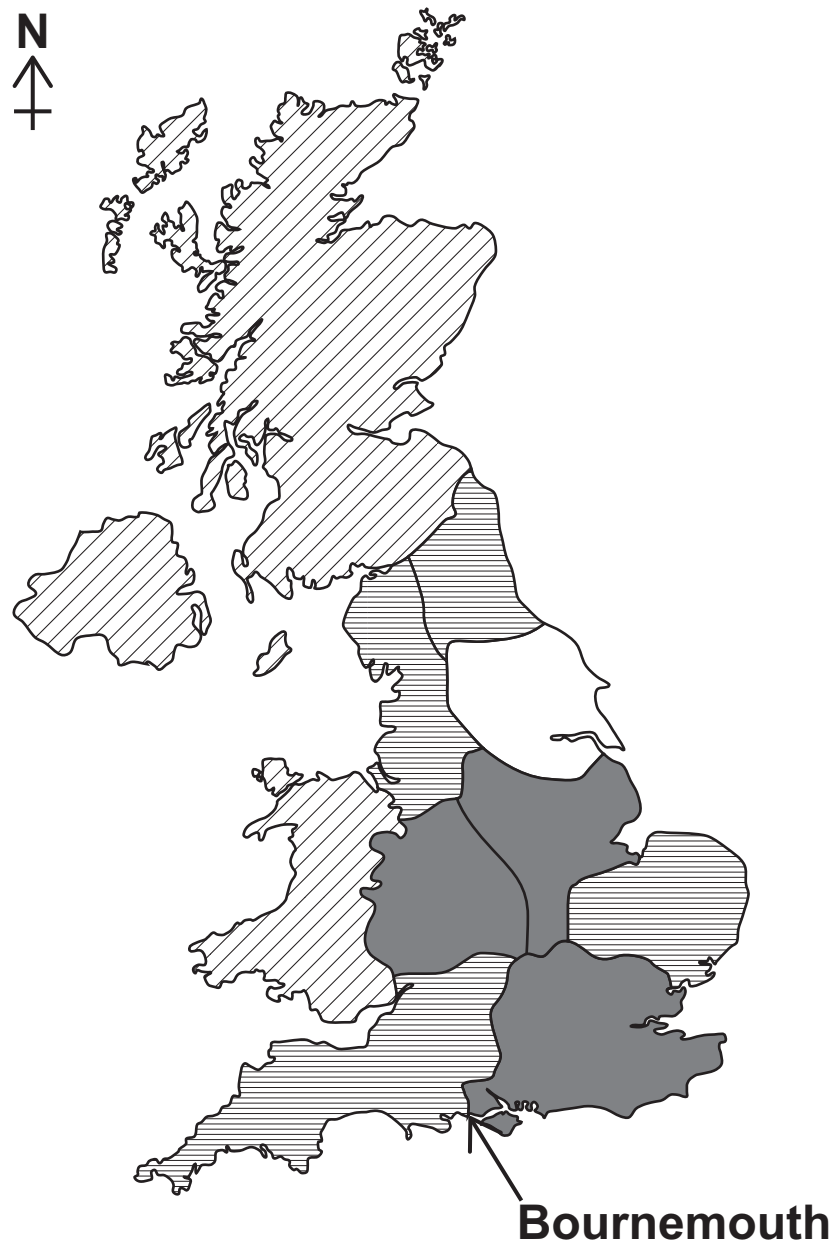


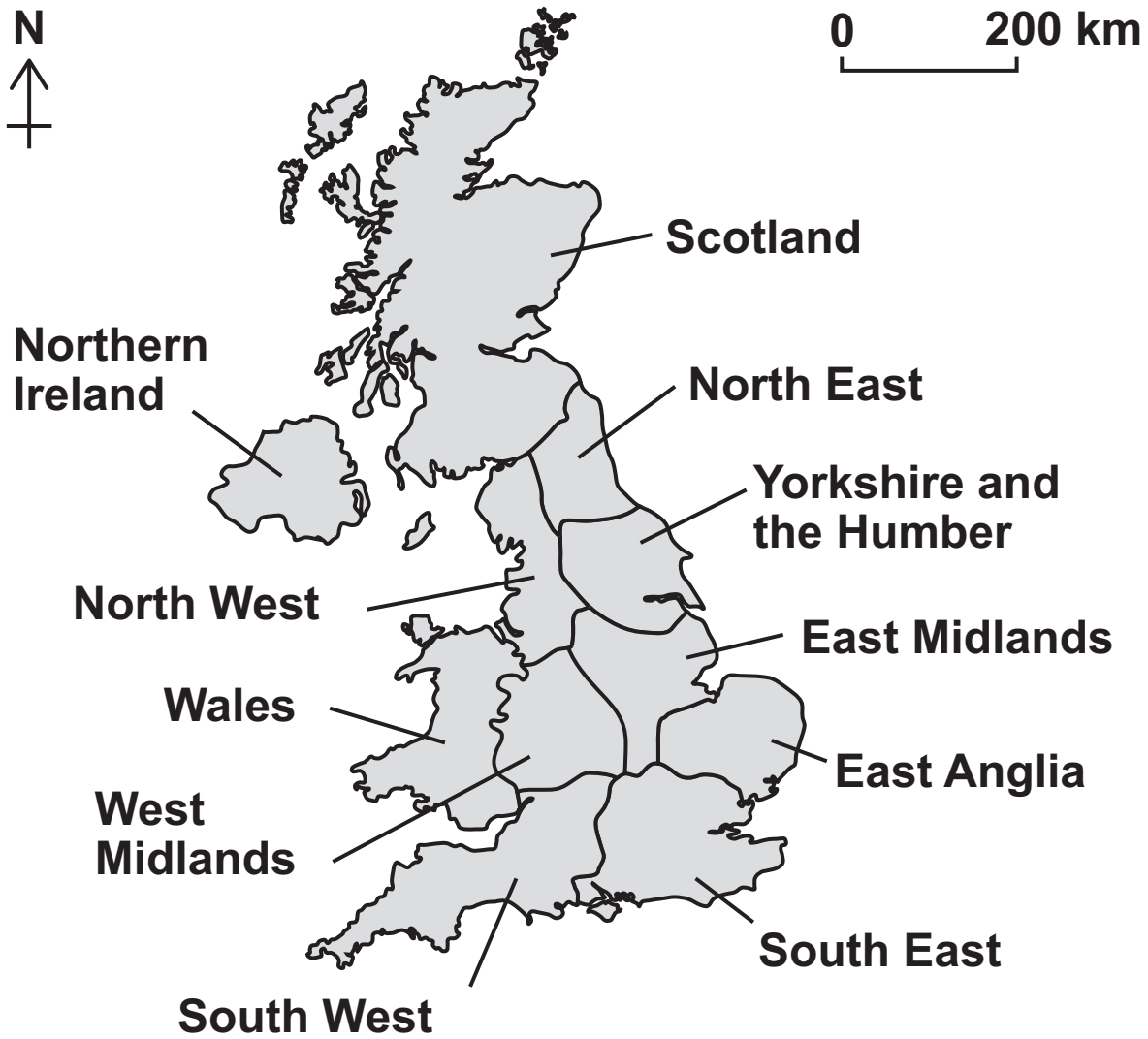
0 4 . 1

Complete the map below (FIGURE 5) to show the origin of visitors to Bournemouth using the following data. [1 mark]

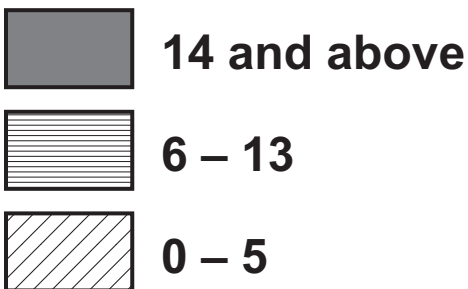
Yorkshire and the Humber	6%
--------------------------	----

FIGURE 5





KEY



[Turn over]



0 4 . 2

**Describe the pattern shown by FIGURE 5.
[2 marks]**

0 4 . 3

**(a) Suggest ONE additional question which
could be included on the visitor survey.
[1 mark]**

**(b) Give ONE reason why your chosen
question might provide useful information
for the visitor survey. [1 mark]**



Study FIGURE 6, information about visitor numbers to the main tourist attractions in a city.

FIGURE 6

Visitor numbers to main tourist attractions (thousands)	
January	80
February	110
March	120
April	180
May	220
June	230
July	270
August	310
September	200
October	190
November	100
December	120

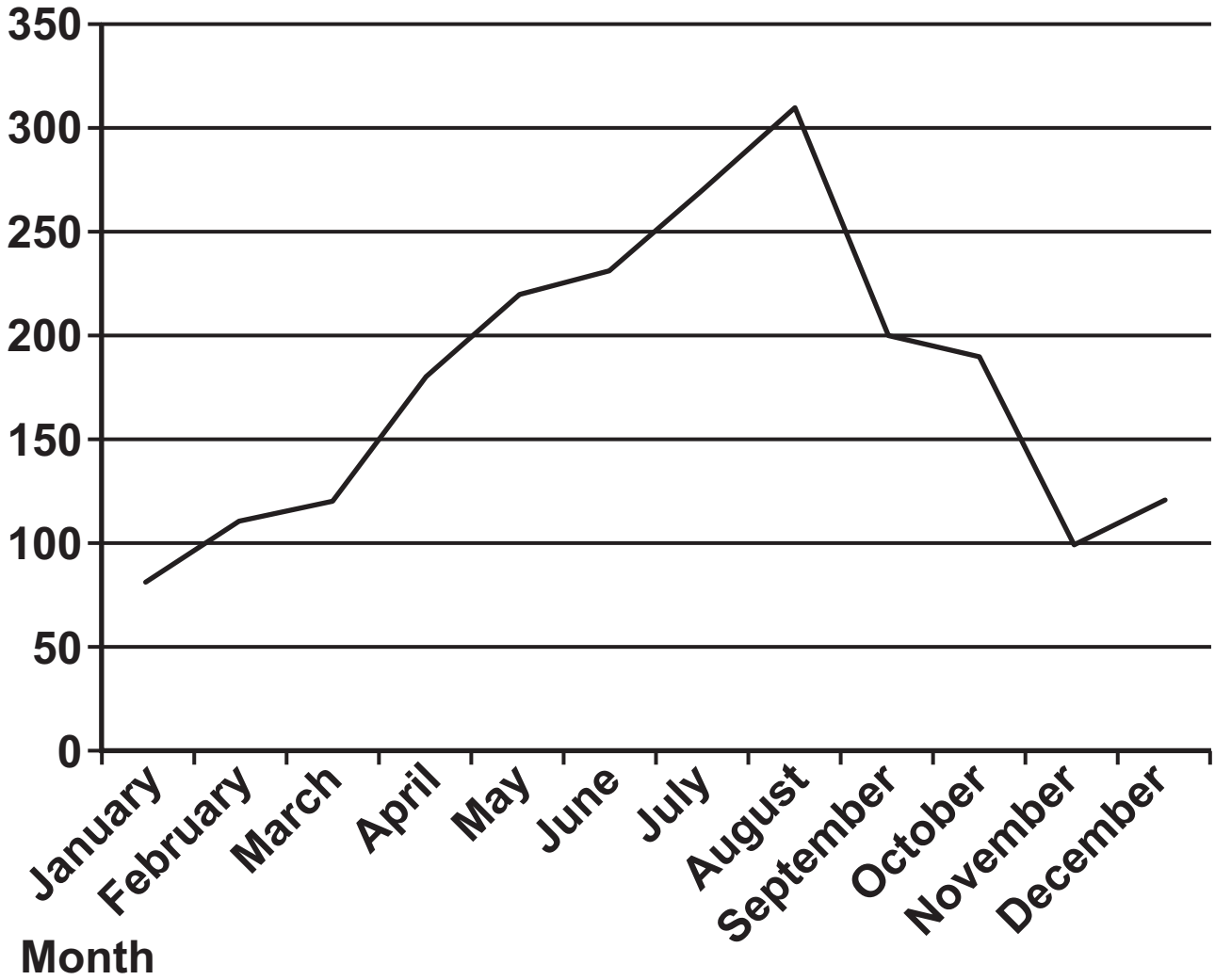
[Turn over]



A student used the following presentation method (FIGURE 7) to show the information in FIGURE 6.

FIGURE 7

Visitor numbers



0 4 . 4

(a) Suggest a more appropriate method for presenting the data shown in FIGURE 6. [1 mark]

(b) Give a reason for your choice. [1 mark]

[Turn over]



As part of a geographical enquiry, students carried out an environmental quality survey in one part of a town centre. The results are shown in FIGURE 8.

FIGURE 8

	-2	-1	0	+1	+2	
Lots of traffic pollution				✓		No traffic pollution
Lots of litter	✓					No litter
Unattractive buildings					✓	Attractive buildings
Lots of vandalism		✓				No vandalism
No landscaping					✓	Good landscaping

0 4 . 5

**What is the total environmental quality score for the area shown in FIGURE 8?
[1 mark]**



0 4 . 6

Suggest ONE advantage and ONE disadvantage of using the technique shown in FIGURE 8 to measure environmental quality. [2 marks]

Advantage _____

Disadvantage _____

[Turn over]

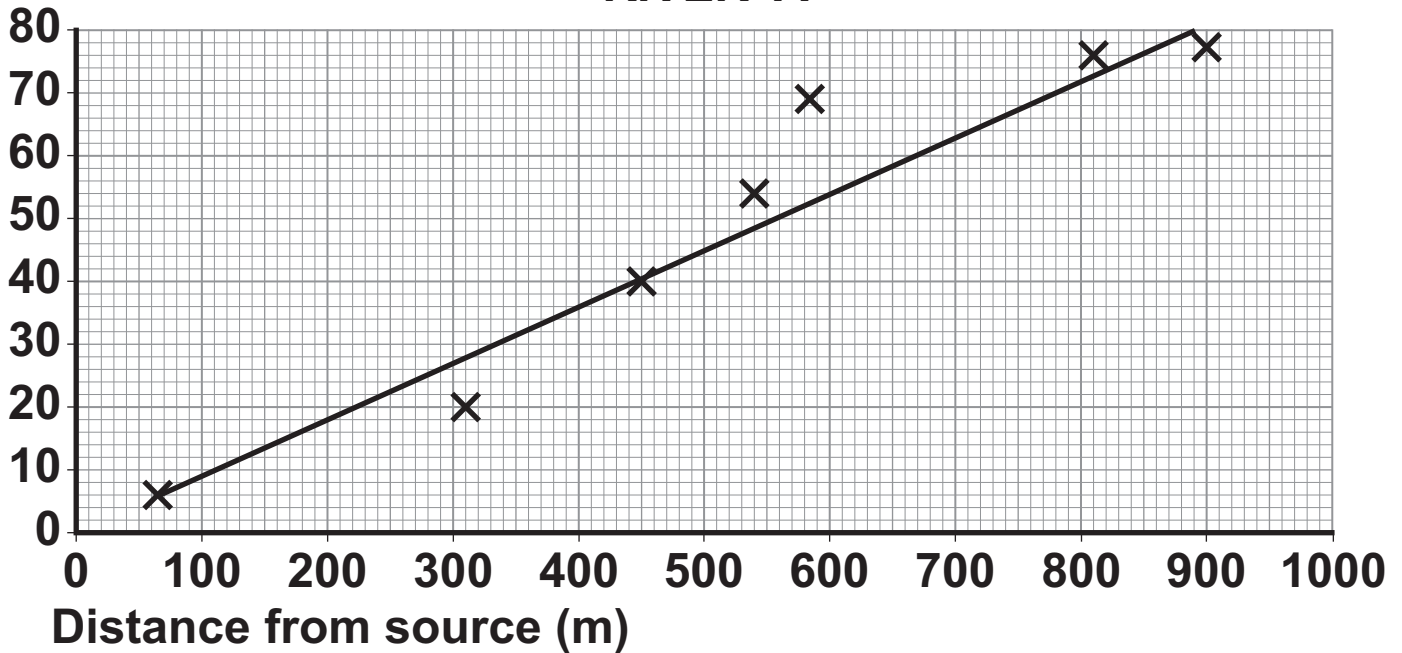


Students studied two different rivers over a distance of 1000 metres. For each river they measured the depth at a number of sites. The results are shown on FIGURE 9.

FIGURE 9

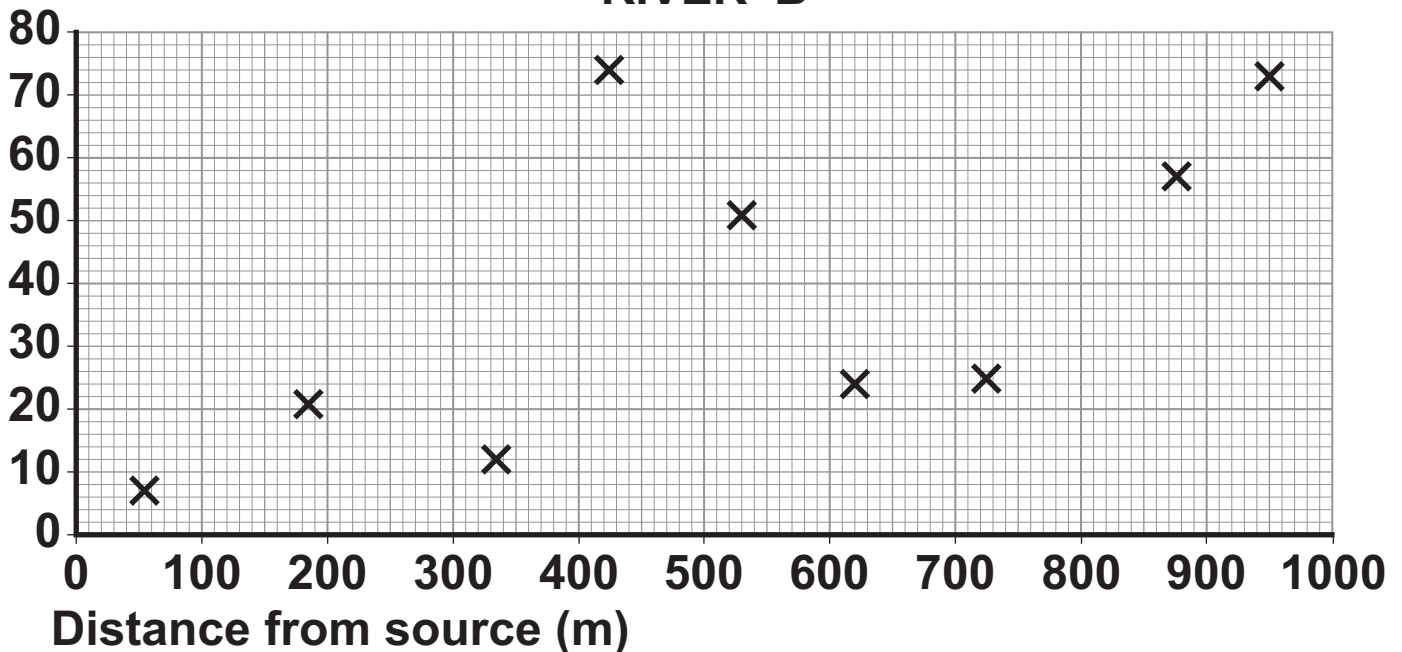
Depth of river (cm)

RIVER A



Depth of river (cm)

RIVER B



0	4
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 .

7

Complete the scattergraph for RIVER B by plotting the following data. [1 mark]

Distance from source – 450 m

Depth of river – 22 cm

0	4
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 .

8

Draw a line of best fit on the scattergraph for RIVER B. [1 mark]

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 .

9

Compare the relationship between distance from source and depth of river for the two rivers. [4 marks]

[Turn over]



16



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[Turn over]



Write the title of your **PHYSICAL** geography fieldwork enquiry.

Title of fieldwork enquiry

0 5 . **1**

Explain why the chosen location was suitable for the collection of data.
[2 marks]



0 5 . 2

Justify ONE primary data collection method used in your PHYSICAL geography enquiry. [3 marks]

[Turn over]



Write the title of your HUMAN geography fieldwork enquiry.

Title of fieldwork enquiry

0 5 . 3

**Explain how ONE data presentation technique used in your HUMAN geography enquiry helped you to interpret the data.
[6 marks]**



0 5 . **4**

For ONE of your fieldwork enquiries, assess the extent to which the accuracy of the results and the reliability of the conclusions could be improved.

[9 marks] [+3 SPaG marks]

Title of fieldwork enquiry



[Turn over]



END OF QUESTIONS



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Question	Mark
1	
2	
3	
4	
5	
TOTAL	

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