Centre Number			Candidate Number		
Surname					
Other Names					
Candidate Signature					

For Examiner's Use				
Examine	r's Initials			
Question	Mark			
1				
2				
TOTAL				



General Certificate of Education Advanced Subsidiary Examination June 2015

# Geography

GEOG2

## Unit 2 Geographical Skills

Friday 15 May 2015 1.30 pm to 2.30 pm

### For this paper you must have:

The Ordnance Survey map extract (enclosed)

- a pencil
- a rubber
- a ruler
- a protractor
- · compasses.

You may use a calculator.

### Time allowed

• 1 hour

#### **Instructions**

- Use black ink or black ball-point pen. Use pencil only for drawing.
- 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.
- Do all rough work in this book. Cross through any work you do not want to be marked.

#### Information

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- You will be marked on your ability to:
  - use good English
  - organise information clearly
  - use specialist vocabulary where appropriate.

#### **Advice**

 Where appropriate, credit will be given for the use of diagrams to illustrate answers and where reference is made to your personal investigative work. You are advised to allocate your time carefully.



GEOG2





	Answer all questions in the spaces provided.
1 (a)	Study <b>Figure 1</b> , on the insert, a 1:50 000 Ordnance Survey map extract of Shrewsbury.
	Compare the settlement areas of Bomere Heath (4719) and Belle Vue (4911).  [5 marks]
	Extra space
	Overtion 4 continues on the next news
	Question 1 continues on the next page



1 (b) (i) House price variation between 2009 and 2012 in Bomere Heath and Belle Vue is being investigated. A standard deviation calculation for Bomere Heath house prices has been started in **Figure 2**.

Complete **Figure 2**, and use the formula given to complete the standard deviation calculation. Give the answer to 2 decimal places.

[6 marks]

Figure 2

Road	Average house price in £ thousands (x)	x – <del>x</del>	$(x-\overline{x})^2$
Back Lane	287	38.25	1463.06
Pool Meadow Close	365	116.25	13514.06
The Common	154	-94.75	8977.56
Pump Road	154	-94.75	8977.56
Bow Way	153	-95.75	9168.06
Fitz	496	247.25	61132.56
Preston Gubbals Road	176	-72.75	5292.56
Windsor Lane	207	-41.75	
Merrington Road	275	26.25	689.06
Green Lane	250		
Yew Tree Bank	225	-23.75	564.06
Cornfield Close	243	-5.75	33.06
	x = 2985		$(x - \overline{x})^2 = 111556.22$
	<del>x</del> =		(ov

Standard deviation formula  $= \sqrt{\frac{(x - \overline{x})^2}{n}}$ 

## Key

= Standard deviation

x = Individual value

 $\overline{\mathbf{x}}$  = Mean

**n** = Number in the sample

= Sum of

Complete the standard deviation calculation in the space below, showing your working.



**1 (b) (ii) Figure 3** shows some comparative data for house prices in Belle Vue between 2009–2012.

Using Figure 3 and the relevant information from 1 (b) (i), compare and comment on house price variation between Bomere Heath and Belle Vue.

[6 marks]

Figure 3

Mean	Range	Standard deviation	
(£ thousands)	(£ thousands)	(£ thousands)	
153.83	186	60.97	
Extra space			
Questio	n 1 continues on the n	ext page	



6

1 (c) (i) Figure 4a is a desire line map of part of England and Wales showing the journeys to work for 100 residents of Bomere Heath. Figure 4b shows the journeys to work for 100 residents of Belle Vue.

Add the following data to Figures 4a and 4b.

Figure	Journey to work	Number of workers
4a	Shrewsbury (Bomere Heath) to Stafford	4
4b	Shrewsbury (Belle Vue) to Manchester	2

[2 marks]

Figure 4a

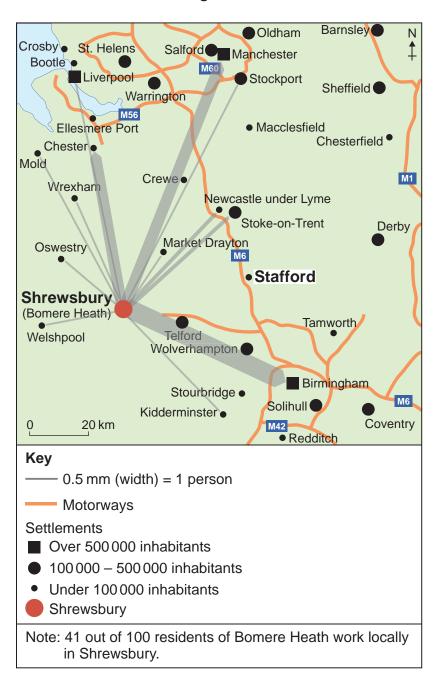
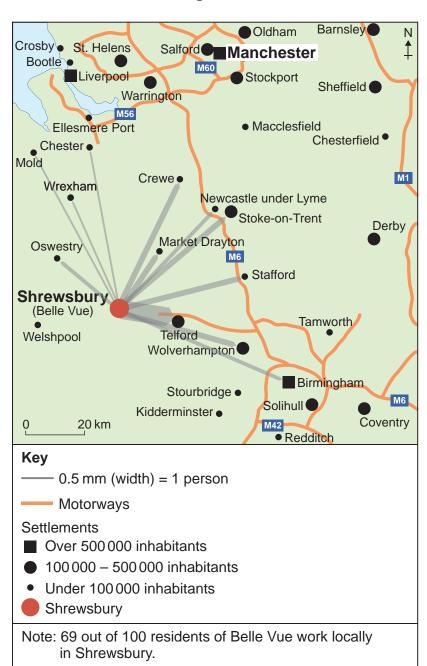




Figure 4b



Question 1 continues on the next page



1 (c) (ii)	Describe and comment on the patterns now shown in <b>Figures 4a</b> and <b>4b</b> .  [6 marks]
	Extra space



25

2	You have experienced geography fieldwork as part of the course. Use this experience to answer the following questions.
	State the aim(s) of your fieldwork.
2 (a)	Describe the advantages of your fieldwork location.  [5 marks]
	Extra space
	Question 2 continues on the next page



		[8]
Extra space	 	 



2 (c)	With reference to examples from your fieldwork, distinguish between qualitative and quantitative data.					
	[4 marks]					
	Extra space					
2 (d)	Describe how you used <b>one</b> technique to analyse your data and outline the					
. ,	advantages of this technique.  [8 marks]					
	Question 2 continues on the next page					



25

Extra space

**END OF QUESTIONS** 

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