



S34-10min Choropleth Maps: 10-minute Pack

EDEXCEL 1ST0 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

1 For each statement about choropleth maps, write down whether it is True or False.

(i) A choropleth map uses different shades or colours to show how a variable (such as a rate or percentage) varies between regions. (1)

(ii) A choropleth map shows the exact value of the variable for every individual place within a region. (1)

(iii) The regions on a choropleth map are usually meaningful real-world areas, such as countries or postcode districts, rather than shapes chosen at random. (1)

(iv) On a choropleth map that uses one colour with different shades, a darker shade conventionally represents a smaller value than a lighter shade. (1)

(Total for Question 1 is 4 marks)

2 Which of these would be the most suitable use of a choropleth map?

- ☐ A) Showing how one runner's finishing time changed across 8 different races
- ☐ B) Showing the percentage of adults who own a car in each region of a country
- ☐ C) Listing the ingredients needed for a recipe
- ☐ D) Showing the exact test score of every pupil in a class of 30

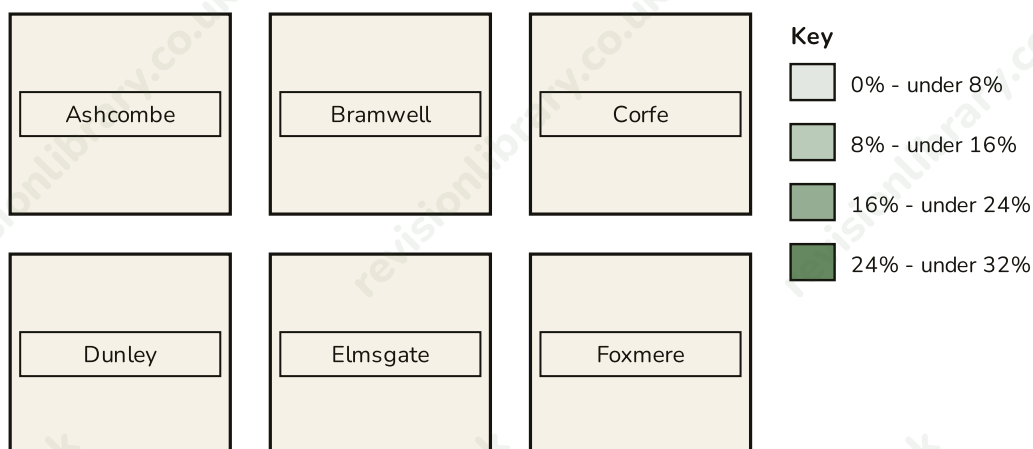
(Total for Question 2 is 1 mark)

- 3 The table shows the percentage of adults who cycle to work in each region of Wrenmouth.

Region	Ashcombe	Bramwell	Corfe	Dunley	Elmsgate	Foxmere
% who cycle to work	4	11	19	25	7	15

On the blank map, shade each region to match its band, using the key provided. Give your completed map a suitable title.

Wrenmouth: % of adults who cycle to work (shade using the key)



(Total for Question 3 is 4 marks)

Mark scheme · S34-10min Choropleth Maps: 10-minute Pack

Question 1

- (i) **B1** True cao
- (i) **Answer: True**
- (ii) **B1** False cao
- (ii) **Answer: False**
- (iii) **B1** True cao
- (iii) **Answer: True**
- (iv) **B1** False cao
- (iv) **Answer: False**

Question 2

- **B1** B cao
- **Answer: B) Showing the percentage of adults who own a car in each region of a country**

Question 3

- **M1** correct band worked out from the table for all six regions (working/list shown): Ashcombe and Elmsgate in 0-under 8%; Bramwell and Foxmere in 8-under 16%; Corfe in 16-under 24%; Dunley in 24-under 32%
- **B1** four visibly different shades used, in the correct order (darker shade for a higher band), matching the key
- **B1** all six regions shaded to match the bands found in the working
- **B1** map given a suitable title
- **Answer: Ashcombe and Elmsgate shaded the lightest band (0-under 8%); Bramwell and Foxmere the second band (8-under 16%); Corfe the third band (16-under 24%); Dunley the darkest band (24-under 32%).**