



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

GEOGRAPHY

0460/42

Paper 4 Alternative to Coursework

May/June 2014

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Photographs A, B and C, Figs 1 and 2 and Table 1 for Question 1, and Fig. 6 and Table 5 for Question 2.

The Insert is **not** required by the Examiner.



The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **9** printed pages and **3** blank pages.

Photograph A for Question 1

Coniferous woodland



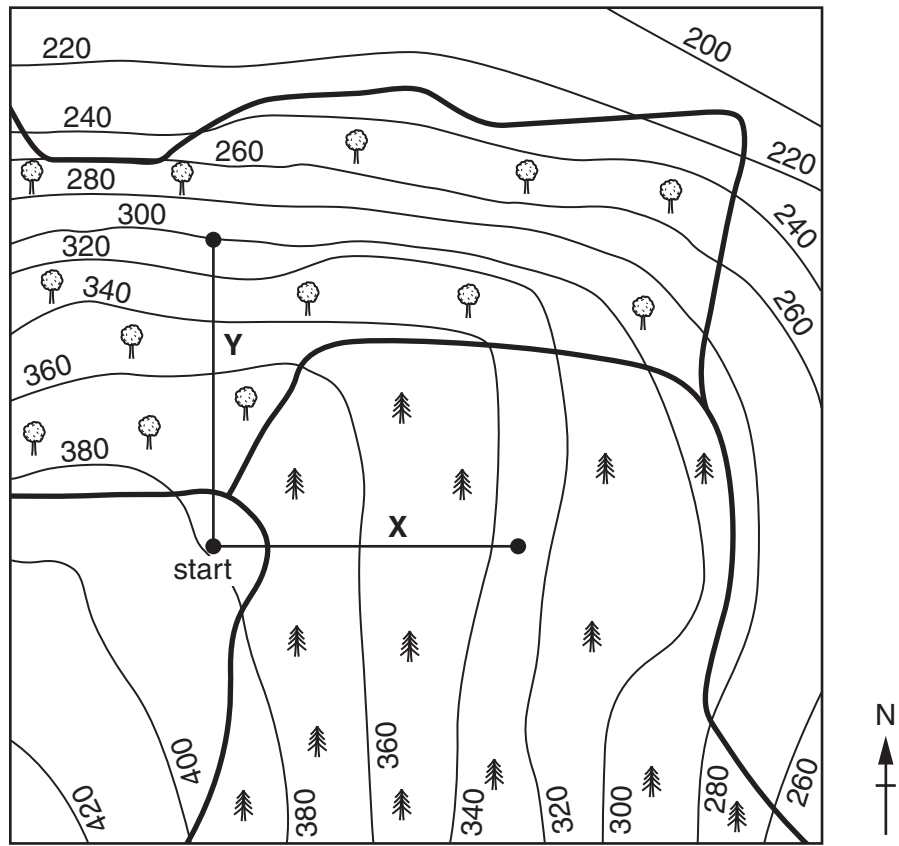
Photograph B for Question 1

Deciduous woodland



Fig. 1 for Question 1

Map of the study area



Key



deciduous woodland

coniferous woodland

grassland

260 contour line showing height in metres

0 100 200
m

transect line

land use boundary

Table 1 for Question 1

Measurements for temperature and percentage of sky seen

	Transect X Coniferous woodland		Transect Y Deciduous woodland		
Distance along transect (m)	Temperature (°C)	Percentage of sky (%)	Temperature (°C)	Percentage of sky (%)	Type of vegetation
0	8.4	100	8.4	100	Grassland
25	8.5	100	8.4	100	Grassland
50	8.3	95	8.4	97	Grassland
75	7.0	92	8.2	90	Woodland
100	6.3	71	7.8	83	Woodland
125	6.2	70	7.7	77	Woodland
150	5.3	67	7.5	70	Woodland
175	5.4	63	7.3	61	Woodland
200	5.1	54	7.0	56	Woodland
225	4.6	52	7.1	63	Woodland
250	5.9	44	6.8	65	Woodland
275	4.4	58	7.4	66	Woodland
300	6.7	37	6.6	62	Woodland
325	6.2	41	6.7	55	Woodland
350	5.8	32	6.5	68	Woodland
375	5.7	38	6.3	60	Woodland
400	5.5	36	6.5	56	Woodland

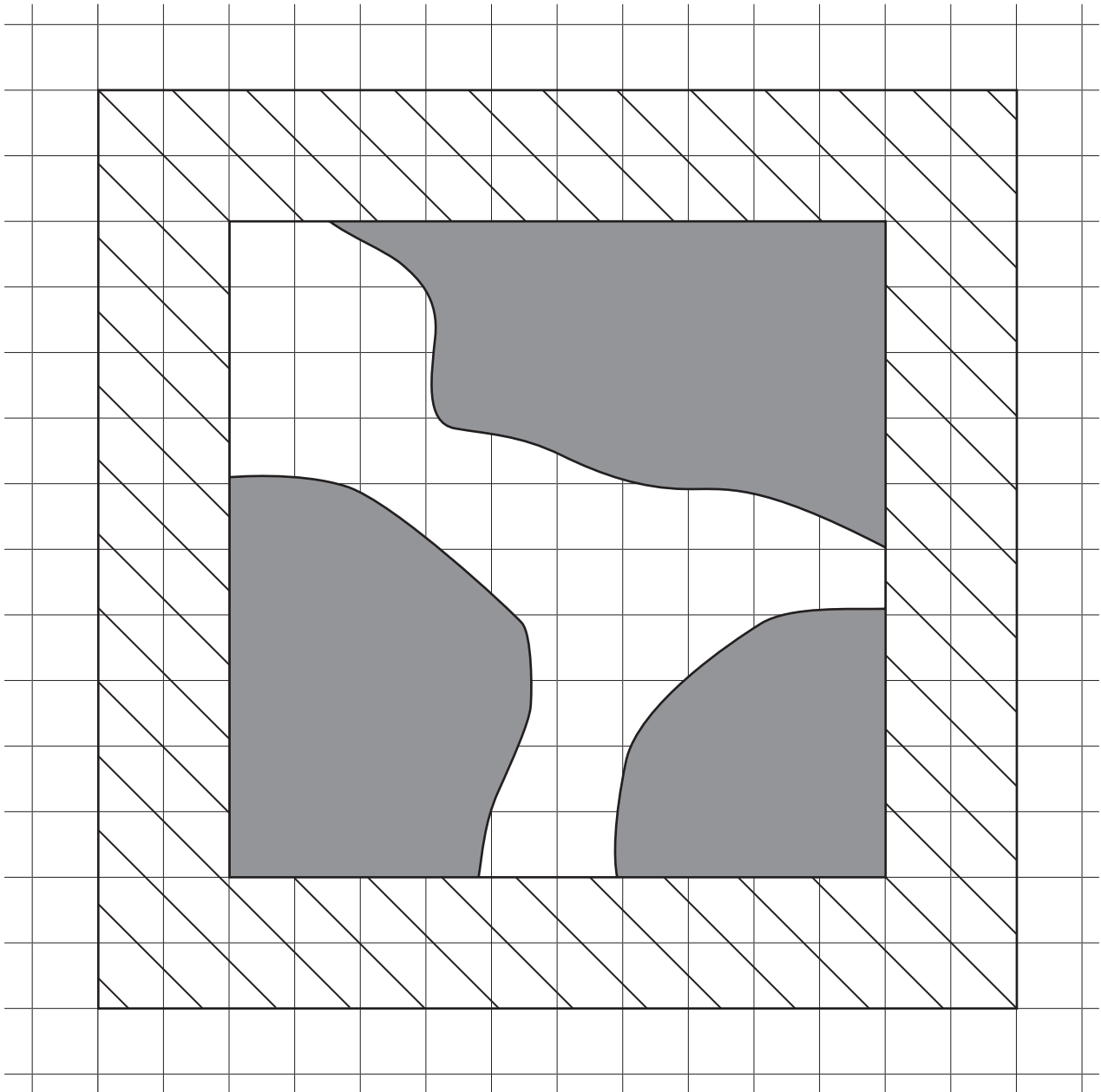
Photograph C for Question 1

Digital thermometer



Fig. 2 for Question 1

Measuring device to measure amount of sky seen

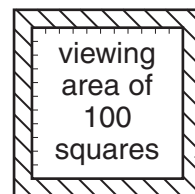


Key



open sky

sky hidden by trees



dark frame

Fig. 2 for Question 1 (continued)Instructions on how to estimate the amount of sky which can be seen through the measuring device

The measuring device is made up of a clear plastic viewing screen which is surrounded by a dark frame to make the viewing area clearer. The viewing screen is divided into 100 equally sized squares. Each square equals 1%. It is used in the same way as a quadrat.

- Stage 1. Hold the measuring device above your head and look vertically up to the sky.
- Stage 2. Count or estimate how many squares through which it is possible to see the sky.
- Stage 3. To check your result count or estimate in how many squares the sky is hidden by tree cover.
- Stage 4. The total number of squares estimated or counted in stages 2 and 3 must add up to 100.
- Stage 5. Record your percentage result for the sky (stage 2) in the table.

Fig. 6 for Question 2

Resident questionnaire

I am doing this questionnaire as part of my *Geography* coursework. Please will you answer the following questions?

How strongly do you agree with the statements below? Choose the answer that best matches your opinion.

Car parking is difficult in the area where I live.

Strongly agree

☐

Agree

☐

Disagree

☐

Strongly disagree

☐

Please say why you gave this answer.

.....

.....

Traffic is a problem in the area where I live.

Strongly agree

☐

Agree

☐

Disagree

☐

Strongly disagree

☐

Please say why you gave this answer.

.....

.....

Thank you

Table 5 for Question 2

Reasons why parking is difficult

Reason	Number of answers
No driveway	20
No off-road parking areas	19
Parking restrictions on local roads	25

Reasons why traffic is a problem

Reason	Number of answers
Congestion on local roads	30
Exhaust fumes	13
Noise of vehicles	18
Vibrations caused by heavy lorries	3

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Question 1 Photograph B © http://www.countrysideinfo.co.uk/maps_website/wetland.htm

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