



Cambridge IGCSE™

GEOGRAPHY

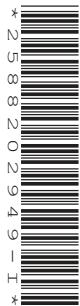
0460/43

Paper 4 Alternative to Coursework

October/November 2023

INSERT

1 hour 30 minutes



INFORMATION

- This insert contains additional resources referred to in the questions.
- You may annotate this insert and use the blank spaces for planning. **Do not write your answers** on the insert.

This document has **12** pages. Any blank pages are indicated.

Fig. 1.1 for Question 1

Stevenson Screen

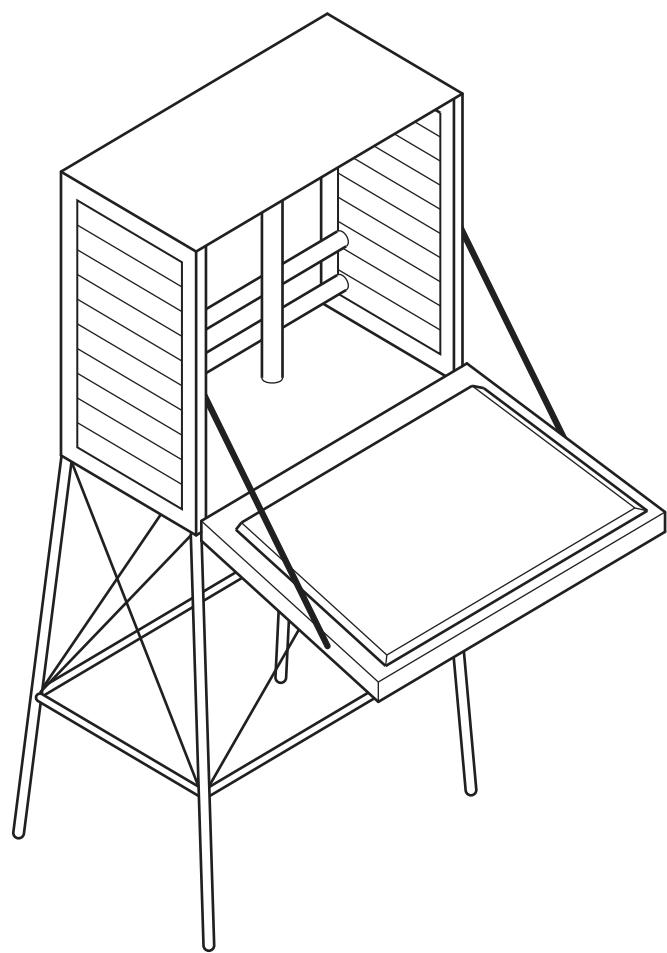


Fig. 1.2 for Question 1

Rain gauge

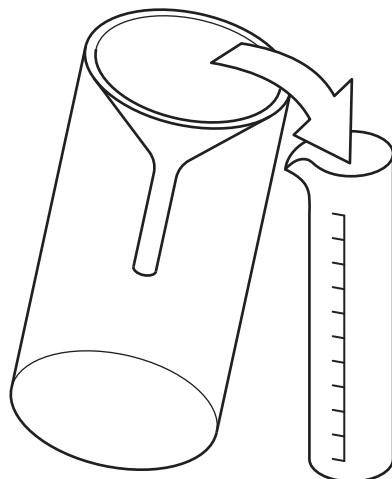


Table 1.1 for Question 1

Atmospheric pressure and rainfall measurements

	time	computer (C) or student (S) measured	atmospheric pressure (mb)	rainfall in the last three hours (mm)
Wednesday	00:00	C	1011	0
	03:00	C	1010	0.2
	06:00	C	1009	0.3
	09:00	S	1008	0.1
	12:00	S	1008	0
	15:00	S	1006	0.9
	18:00	S	1003	1.8
	21:00	C	1002	1.9
Thursday	00:00	C	1002	1.7
	03:00	C	1000	2.0
	06:00	C	999	2.8
	09:00	S	997	5.6
	12:00	S	995	5.9
	15:00	S	996	4.0
	18:00	S	997	7.5
	21:00	C	1000	0.5
Friday	00:00	C	1002	0.3
	03:00	C	1005	0.9
	06:00	C	1006	0.6
	09:00	S	1008	0.2
	12:00	S	1010	0
	15:00	S	1011	0.1
	18:00	S	1013	0
	21:00	C	1014	0

Fig. 1.4 for Question 1

Wind vane

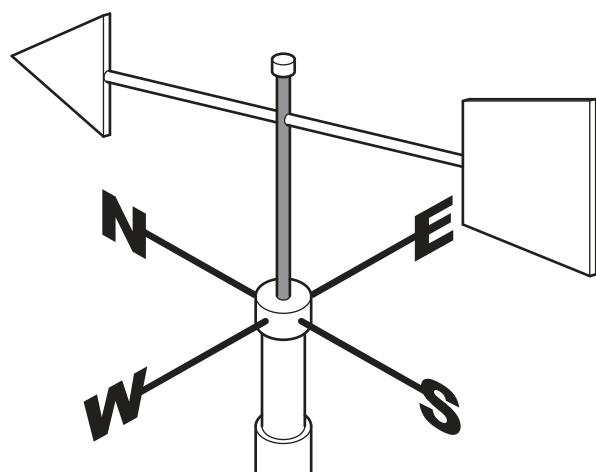


Table 1.2 for Question 1

Wind measurements

	time	computer (C) or student (S) measured	direction wind blows from	wind speed (km/hour)
Wednesday	00:00	C	SSE	8
	03:00	C	W	19
	06:00	C	W	15
	09:00	S	WNW	10
	12:00	S	WNW	8
	15:00	S	SW	6
	18:00	S	ESE	10
	21:00	C	E	18
Thursday	00:00	C	E	26
	03:00	C	E	29
	06:00	C	E	22
	09:00	S	E	24
	12:00	S	ESE	22
	15:00	S	ESE	19
	18:00	S	ESE	18
	21:00	C	ESE	21
Friday	00:00	C	NE	19
	03:00	C	NE	18
	06:00	C	NNE	19
	09:00	S	WSW	11
	12:00	S	NNW	16
	15:00	S	NW	8
	18:00	S	ENE	19
	21:00	C	ENE	20

Fig. 1.6 for Question 1

Three cloud types



type A



type B



type C

Table 2.1 for Question 2**Number of shops and services in the town centre**

category of shops/services	1990	2019
clothes and shoes	3	0
household goods store	1	3
supermarket mainly selling food	0	2
convenience goods (e.g. baker, newsagent)	18	14
specialist non-food (e.g. electrical, jewellery, florist, travel agent)	17	7
personal services (e.g. hairdresser, barber, nail bar, tattooist)	10	17
charity shop	2	9
catering and entertainment (e.g. café, restaurant, bar, nightclub)	13	18
office (e.g. finance, solicitor, estate agent, bank)	16	9
vacant (empty) shop	3	11
total	83	90

Fig. 2.3 for Question 2

Town centre questionnaire

Excuse me, I'm a student at The Academy. Please could you answer these questions to help me with my geography fieldwork?

1. How often do you visit the town centre?

more than once a week

once a week

once a month

less than once a month

2. What do you think are the good points about the town centre? (You may give more than one answer.)

.....
.....
.....

3. What do you think are the bad points about the town centre? (You may give more than one answer.)

.....
.....
.....

4. What is one way you think the town centre could be improved?

.....

Thank you for answering my questions.

Age group

under 30

30 to 60

Over 60

Table 2.2 for Question 2**Answers to Question 1 in the questionnaire****How often do you visit the town centre?**

frequency	number of answers (%)
more than once a week	32
once a week	38
once a month	22
less than once a month	8

Table 2.3 for Question 2**Answers to Question 2 in the questionnaire****What do you think are the good points about the town centre?**

good points	number of answers from each age group		
	under 30	30 to 60	over 60
near to home	5	9	17
near to work	28	24	6
frequent bus service	11	8	26
lots of parking spaces	28	31	29
wide variety of shops	22	21	14
new supermarket	25	23	21
total	119	116	113

Table 2.4 for Question 2**Answers to Question 3 in the questionnaire****What do you think are the bad points about the town centre?**

bad points	number of answers from each age group		
	under 30	30 to 60	over 60
gangs of youths	8	16	22
people begging	12	14	15
litter and graffiti	15	14	13
danger from traffic	10	20	26
no shelter against rain and cold	21	28	32
empty shops and uncared for streets	24	22	16
total	90	114	124

Table 2.5 for Question 2**Answers to Question 4 in the questionnaire****What is one way you think the town centre could be improved?**

improvement idea	number of answers from each age group		
	under 30	30 to 60	over 60
more police patrols	1	3	4
make the centre traffic-free	3	8	11
new businesses occupy the empty shops	14	13	12
more litter bins and street cleaning	1	2	4
landscaping and public gardens	0	1	5
easier access for disabled people	7	4	3
more entertainment and nightlife venues	14	9	1

BLANK PAGE

The boundaries and names shown, the designations used and the presentation of material on any maps contained in this question paper/insert do not imply official endorsement or acceptance by Cambridge Assessment International Education concerning the legal status of any country, territory, or area or any of its authorities, or of the delimitation of its frontiers or boundaries.

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of Cambridge Assessment. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which is a department of the University of Cambridge.