Cambridge Assessment International Education

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GEOGRAPHY **0460/43**

Paper 4 Alternative to Coursework **October/November 2023**

INSERT **1 hour 30 minutes**

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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.

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Fig. 1.1 for Question 1

Stevenson Screen

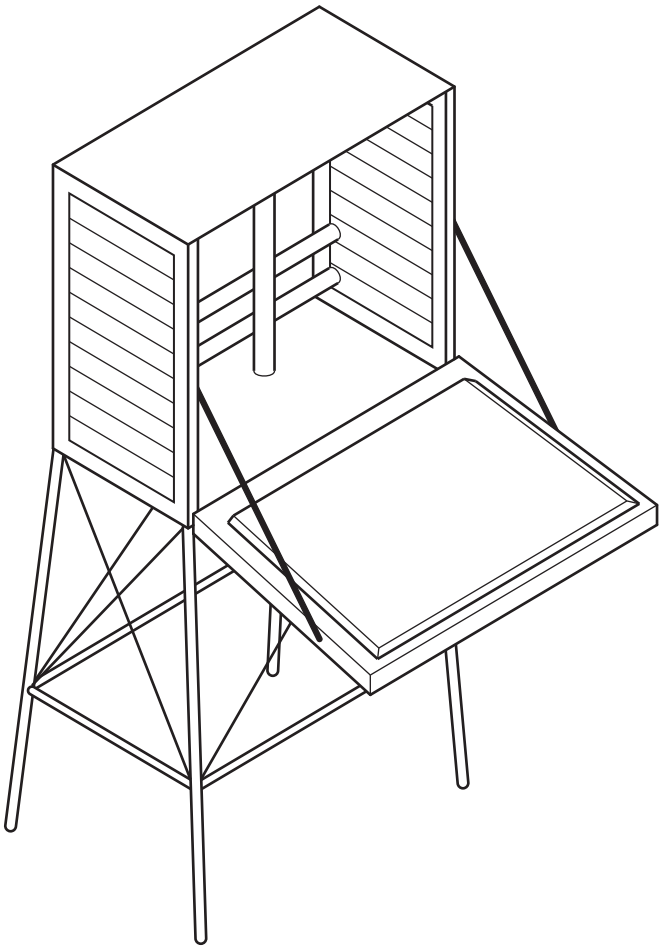
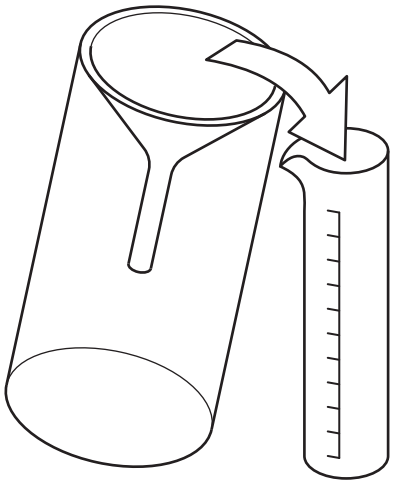


Fig. 1.2 for Question 1

Rain gauge



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Table 1.1 for Question 1

Atmospheric pressure and rainfall measurements

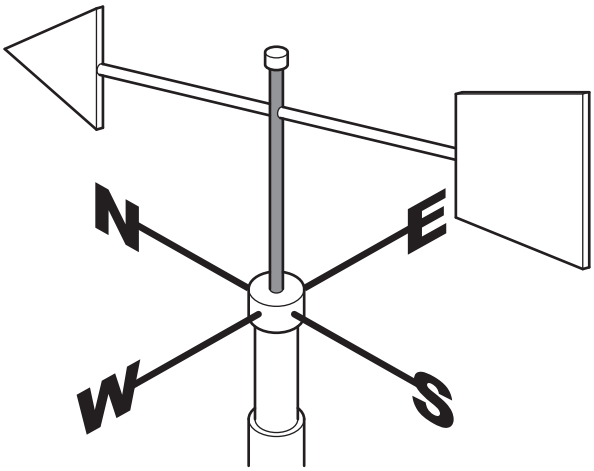
	time	computer (C) or student (S) measured	atmospheric pressure (mb)	rainfall in the last three hours (mm)
Wednesday	00:00	C	1011	0
	03:00	C	1010	0.2
	06:00	C	1009	0.3
	09:00	S	1008	0.1
	12:00	S	1008	0
	15:00	S	1006	0.9
	18:00	S	**1003**	**1.8**
	21:00	C	1002	1.9
Thursday	00:00	C	1002	1.7
	03:00	C	1000	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

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Fig. 1.4 for Question 1

Wind vane



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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

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Fig. 1.6 for Question 1

Three cloud types



type A

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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**

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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

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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

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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

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