



# Cambridge IGCSE™

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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.



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

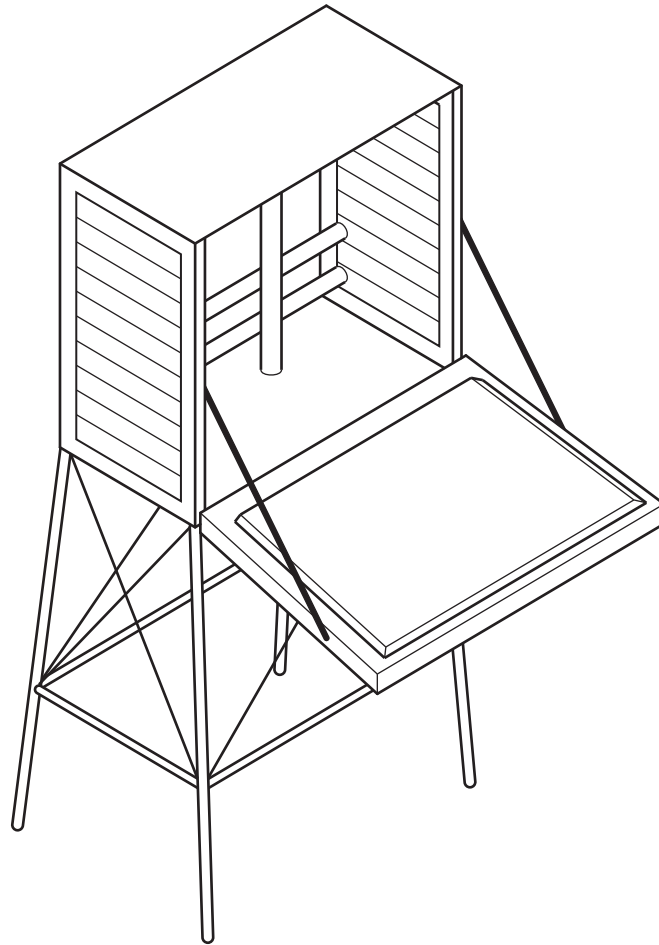
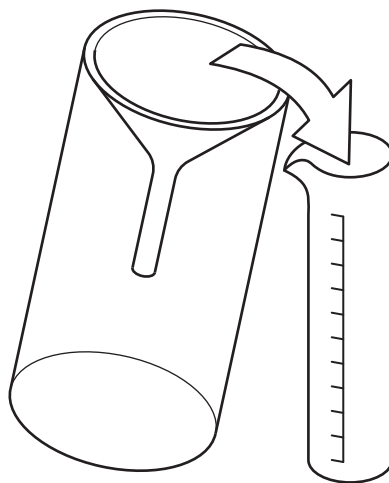
**Fig. 1.1 for Question 1****Stevenson Screen****Fig. 1.2 for Question 1****Rain gauge**

Table 1.1 for Question 1

## Atmospheric pressure and rainfall measurements

|           | time  | computer (C)<br>or student (S)<br>measured | atmospheric<br>pressure<br>(mb) | rainfall in the last<br>three hours<br>(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                                          | <b>1003</b>                     | <b>1.8</b>                                  |
|           | 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

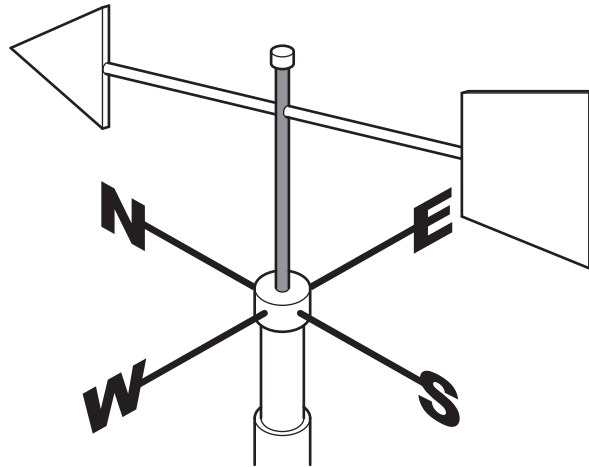


Table 1.2 for Question 1

## Wind measurements

|           | time  | computer (C)<br>or student (S)<br>measured | direction wind<br>blows from | wind speed<br>(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                                          | <b>ESE</b>                   | <b>10</b>               |
|           | 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        |
| <b>total</b>                                                            | <b>83</b> | <b>90</b> |

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           | <b>22</b>             |
| less than once a month | <b>8</b>              |

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       | <b>14</b> |
| new supermarket        | 25                                    | 23       | <b>21</b> |
| <b>total</b>           | 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      |
| <b>total</b>                        | 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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