



Cambridge IGCSE™

GEOGRAPHY

0460/43

Paper 4 Alternative to Coursework

May/June 2024

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 **8** pages.

Fig. 1.1 for Question 1**Categories of land use**

land use category	example of land use
residential	terraced house, detached house, bungalow
industrial	manufacturing, mining, assembly factory
commercial (shops)	food, take-away, furniture, market, specialist goods
entertainment	hotel, sports centre, theatre, concert hall, cafe
public building	college, library, place of worship, police station
open space	farmland, park, unused land, sports field
transport	bus station, car park, railway station
services (offices)	financial, business, dentist, doctor, estate agent

Fig. 1.2 for Question 1

Students’ results recorded at the pilot study site

left side of road

distance along road (m)	10	20	30	40	50	60	70	80	90	100
type of land use	hotel		fire and ambulance station		clothes store	take-away	drug store (chemist)	café	semi-detached houses	
land use category	entertainment	entertainment	public building	public building	commercial	commercial	commercial	entertainment	residential	residential

right side of road

distance along road (m)	10	20	30	40	50	60	70	80	90	100
type of land use	park		fruit and vegetable shop	hardware shop	supermarket		accountant	solicitor	terraced houses	
land use category	open space	open space	commercial	commercial	commercial	commercial	services	services	residential	residential

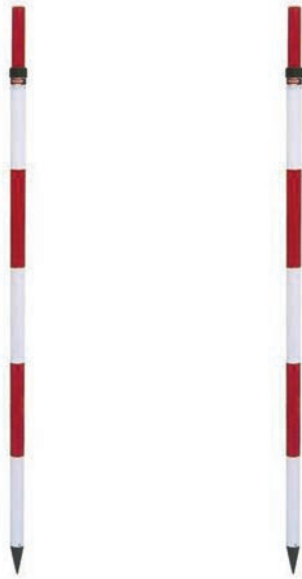
Table 1.1 for Question 1

Land use at the six fieldwork sites (%)

	site number					
	1	2	3	4	5	6
	distance from the city centre (m)					
land use	100	400	800	1200	1600	2000
residential	10	20	65	75	55	60
industrial	0	5	10	5	0	15
commercial (shops)	50	30	5	0	25	5
entertainment	25	5	5	0	0	0
public building	5	10	0	10	0	0
open space	0	5	5	5	15	20
transport	5	10	5	5	5	0
services (offices)	5	15	5	0	0	0

Fig. 2.1 for Question 2

Equipment used to measure river velocity (not to scale)



ranging poles



tape measure



stopwatch



orange

Table 2.1 for Question 2

Students' velocity results

	site	average velocity (m/sec)
<div style="text-align: center;">upstream ↑↓ downstream</div>	1	0.38
	2	0.44
	3	0.40
	4	0.31

Fig. 2.3 for Question 2

Callipers used to measure the length of a pebble

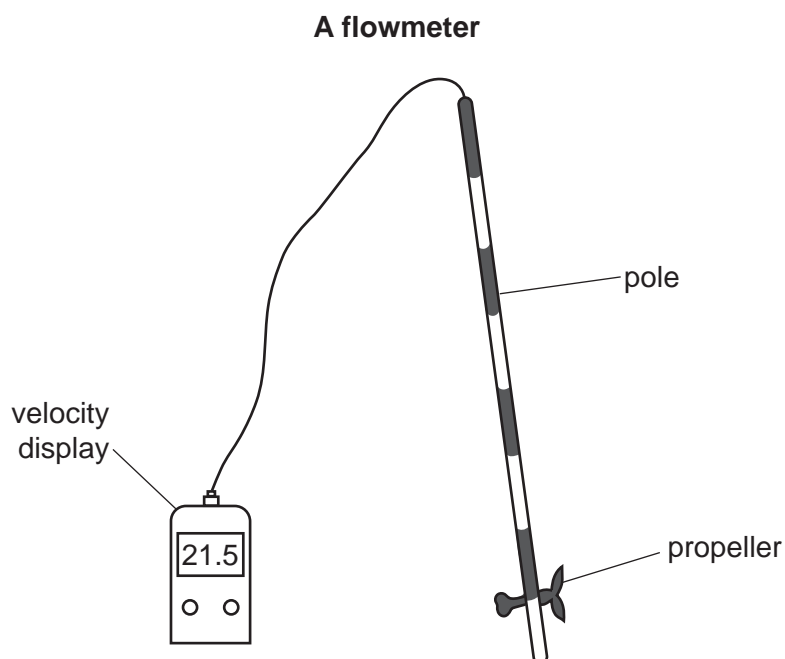


Table 2.2 for Question 2

Length of selected pebbles at site 2

pebble number	length of pebble's long axis (cm)
1	2.2
2	2.6
3	3.0
4	3.7
5	4.2
6	4.9
7	5.7
8	5.9
9	6.8
10	7.0
11	7.2
12	7.5
13	8.3
14	9.0
15	9.2
16	9.6
17	10.5
18	10.8
19	13.9
20	14.2
average	7.3

Fig. 2.5 for Question 2



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.