



Cambridge IGCSE™

GEOGRAPHY**0460/41**

Paper 4 Alternative to Coursework

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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.

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Table 1.1 for Question 1

Vegetation cover at each site

site	1	2	3	4	5	6	7
bare soil (%)	5	35	70	100	55	30	45
vegetation (%)	95	65	30	0	45	70	55

Fig. 1.2 for Question 1

Method to measure infiltration

The students used a **bottomless cylinder** which they pushed into the ground to the same depth at each site. The students put a **ruler** which measured in centimetres inside the cylinder. At each measuring site the students poured water into the cylinder up to a height of 120 mm. They recorded the water height in the cylinder at the end of every minute timed by a **stopwatch**, for ten minutes or until all the water had infiltrated into the ground.



Table 1.2 for Question 1

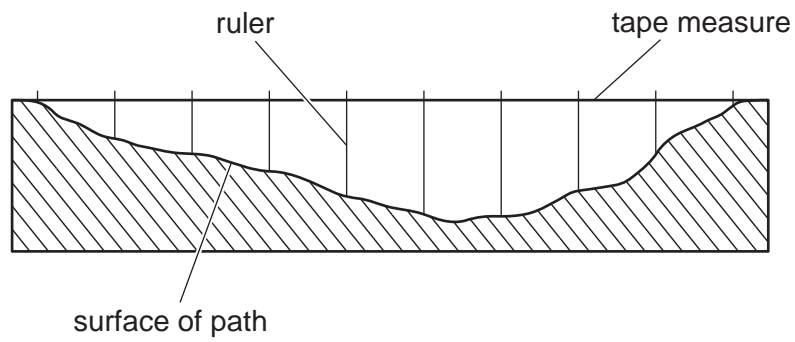
Results of students' measurements of water level

time of measurement (mins)	water level in cylinder (mm)						
	site 1	site 2	site 3	site 4	site 5	site 6	site 7
0	120	120	120	120	120	120	120
1	101	105	109	114	108	103	107
2	85	91	100	108	98	88	94
3	70	78	92	103	89	74	82
4	54	64	83	97	77	58	71
5	36	51	73	91	67	44	57
6	17	39	65	85	56	29	45
7	0	25	57	80	45	13	34
8		13	47	74	35	0	24
9		0	38	69	26		12
10			29	65	15		5

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Fig. 1.4 for Question 1

Method to investigate 'footpath erosion'



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Table 1.5 for Question 1

Results of students' measurements

distance across the path (m)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5
depth of the path (cm)	0	2	3	5	5	9	9	6	3	0

Fig. 2.1 for Question 2

Student questionnaire for people shopping

Shopping area:

Date: Time:

Excuse me; I am a student at Manchester Academy. Please could you answer these questions to help me with my geography fieldwork?

1. How often do you come to the shopping centre?

- every day every two or three days once a week
 once a month less than once a month

2. How did you travel to the shopping centre today?

- bus car / van / motor bike train
 walk / bicycle

3. Why did you decide to come to this shopping centre today?

- near home near work
 good access by public transport good value for money
 wide range of shops convenient parking

4. What are the main items you are buying here today?

- food and drink gifts
 furniture / electrical goods clothes / jewellery
 other

Thank you for answering my questions.

Table 2.1 for Question 2

Answers to question 1: How often do you come to the shopping centre?

frequency	CBD (%)	local neighbourhood shopping centre (%)	out-of-town shopping mall (%)
every day	5	28	0
every two or three days	10	35	4
once a week	37	32	18
once a month	29	5	56
less than once a month	19	0	22

Table 2.2 for Question 2

Answers to question 2: How did you travel to the shopping centre today?

method of transport	CBD (%)	local neighbourhood shopping centre (%)	out-of-town shopping mall (%)
bus	39	15	17
car / van / motor bike	43	12	83
train	10	0	0
walk / bicycle	8	73	0

Table 2.3 for Question 2

Answers to question 3: Why did you decide to come to this shopping centre today?

reason for visit	CBD (%)	local neighbourhood shopping centre (%)	out-of-town shopping mall (%)
near home	6	79	0
near work	7	11	0
good access by public transport	32	5	8
good value for money	4	0	11
wide range of shops	38	0	39
convenient parking	13	5	42

Table 2.4 for Question 2

Answers to question 4: What are the main items you are buying here today?

main item	CBD (%)	local neighbourhood shopping centre (%)	out-of-town shopping mall (%)
food and drink	10	74	15
gifts	37	0	18
furniture / electrical goods	12	0	27
clothes / jewellery	31	5	37
other	10	21	3

Fig. 2.5 for Question 2

Local neighbourhood shopping centre



Fig. 2.6 for Question 2
Out-of-town shopping mall



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