



# Cambridge IGCSE™

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**GEOGRAPHY****0460/43**

Paper 4 Alternative to Coursework

**October/November 2021**

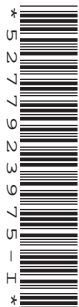
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**1 hour 30 minutes**

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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.

Table 1.1 for Question 1

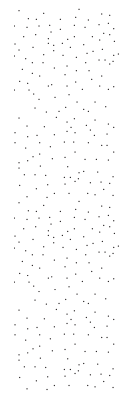
## Results of students' measurements

	site	velocity (m/sec)	wetted perimeter (m)
upstream  downstream	1	0.4	3.5
	2	0.5	5.1
	3	0.6	7.4
	4	<b>1.2</b>	<b>7.8</b>
	5	<b>1.6</b>	12.1

3

**Fig. 1.3 for Question 1**

**A fieldwork notebook**



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Fig. 1.5 for Question 1

**Powers' Scale of Roundness**

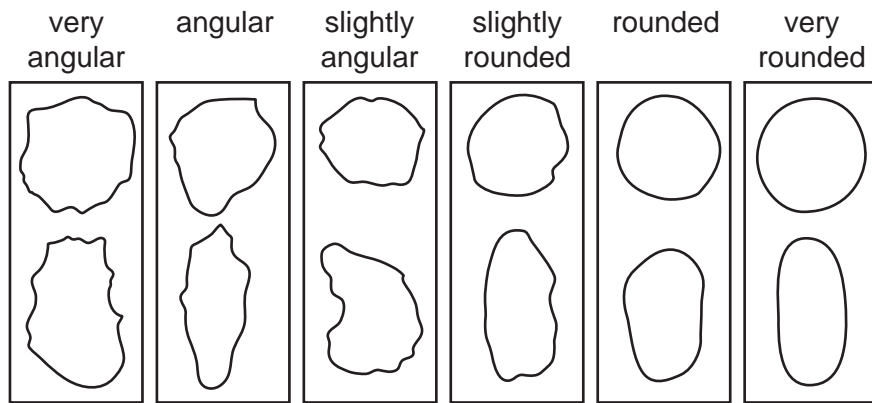


Table 1.2 for Question 1

## Students' results of measuring roundness of rocks

upstream ←————→ downstream

	site 1		site 2		site 3		site 4		site 5	
	number of rocks	percentage	number of rocks	percentage	number of rocks	percentage	number of rocks	percentage	number of rocks	percentage
very angular and angular	6	30	5	25	1	5	3	15	0	0
slightly angular and slightly rounded	10	50	8	40	9	45	11	55	10	50
rounded and very rounded	4	20	7	35	10	50	6	30	10	50

Fig. 2.1 for Question 2

Route of by-pass road

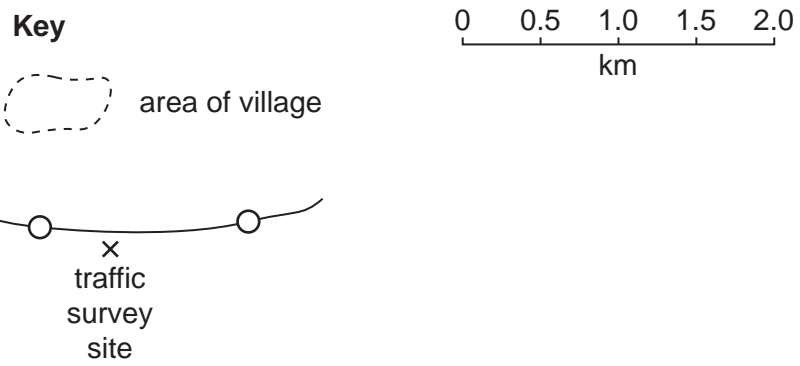
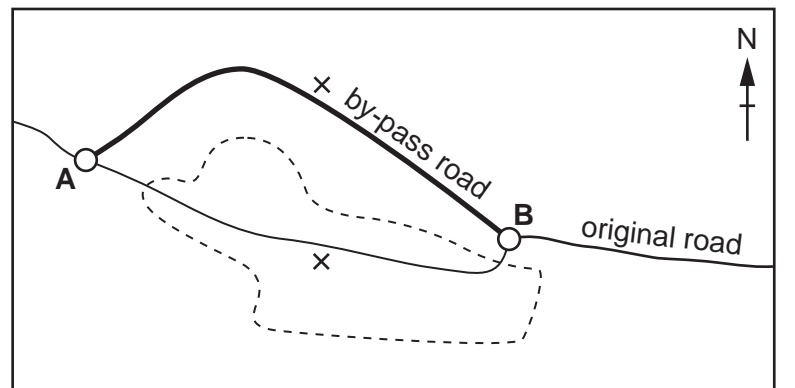


Table 2.1 for Question 2

## Traffic survey results in the village 2016

time	vehicle category			total
	car/bike/taxi	van/minibus	lorry/bus/coach	
07:30–08:00	140	28	22	190
10:30–11:00	109	21	17	147
13:30–14:00	122	22	18	162
16:30–17:00	151	26	21	198
19:30–20:00	70	14	4	88

Table 2.2 for Question 2

## Traffic survey results in the village 2018

time	vehicle category			total
	car/bike/taxi	van/minibus	lorry/bus/coach	
07:30–08:00	45	13	9	67
10:30–11:00	41	11	6	58
13:30–14:00	42	11	7	60
16:30–17:00	50	14	12	<b>76</b>
19:30–20:00	20	8	2	<b>30</b>

Fig. 2.2 for Question 2

## Students' recording sheet

Road surveyed: <i>(circle)</i>		Time: <i>(circle)</i>	
road through village		07:30–08:00	
by-pass road		10:30–11:00	
		13:30–14:00	
		16:30–17:00	
		19:30–20:00	
Vehicle category		Total	
Car/bike/taxi			
Van/minibus			
Lorry/bus/coach			



Table 2.3 for Question 2

## Traffic survey results on the by-pass road 2018

time	vehicle category			total
	car/bike/taxi	van/minibus	lorry/bus/coach	
07:30–08:00	97	18	13	128
10:30–11:00	65	13	16	94
13:30–14:00	69	15	12	96
16:30–17:00	<b>104</b>	<b>18</b>	<b>13</b>	<b>135</b>
19:30–20:00	42	10	3	55



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