



# Cambridge O Level

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**GEOGRAPHY**

**2217/03**

Paper 3 Geographical Investigations

**For examination from 2020**

SPECIMEN 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 **6** pages. Blank pages are indicated.

Table 1.1 for Question 1

## Results of river fieldwork

		Site 1					Average
Width of river (m)	2.4						
Distance across river from left-hand bank (m)	0.38	0.76	1.14	1.52	1.9		
Depth at each point (m)	0.25	0.3	0.31	0.32	0.19	0.27	
Velocity of river flow (m/sec)	0.4	0.22	0.3	0.42	0.1	0.29	

		Site 2					Average
Width of river (m)	3.6						
Distance across river from left-hand bank (m)	0.6	1.2	1.8	2.4	3.0		
Depth at each point (m)	0.33	0.38	0.4	0.32	0.18	0.32	
Velocity of river flow (m/sec)	0.18	0.32	0.33	0.34	0.26	0.29	

		Site 3					Average
Width of river (m)	5.2						
Distance across river from left-hand bank (m)	0.87	1.74	2.61	3.48	4.35		
Depth at each point (m)	0.4	0.54	0.52	0.32	0.19	0.39	
Velocity of river flow (m/sec)	0.95	0.79	0.47	0.38	0.29	0.58	

		Site 4					Average
Width of river (m)	9.6						
Distance across river from left-hand bank (m)	1.6	3.2	4.8	6.4	8.0		
Depth at each point (m)	0.15	0.27	0.33	0.4	0.32	0.29	
Velocity of river flow (m/sec)	0.19	0.22	0.5	0.83	0.56	0.46	

		Site 5					Average
Width of river (m)	10.4						
Distance across river from left-hand bank (m)	1.73	3.46	5.39	6.92	8.65		
Depth at each point (m)	0.49	0.63	0.7	0.67	0.34	0.57	
Velocity of river flow (m/sec)	0.02	0.06	0.41	0.44	0.13	0.21	

		Site 6					Average
Width of river (m)	7.6						
Distance across river from left-hand bank (m)	1.27	2.54	3.82	5.08	6.35		
Depth at each point (m)	0.72	0.41	0.39	0.49	0.36	0.47	
Velocity of river flow (m/sec)	0.63	0.59	0.83	0.83	0.48	0.67	

Table 1.2 for Question 1

Area of the river channel cross section and average velocity at the six sites

Site	Area of cross section (m <sup>2</sup> )	Average velocity (m/sec)
1	0.65	0.29
2	1.15	0.29
3	2.03	0.58
4	2.78	0.46
5	5.93	0.21
6	3.57	0.67

Fig. 1.3 for Question 1

Equipment used to measure river velocity (not to scale)

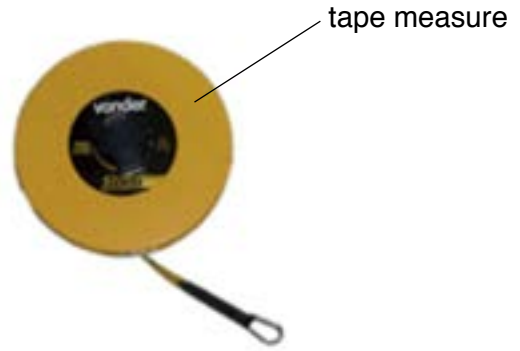


Fig. 2.3 for Question 2

### Shopping questionnaire

Excuse me; I'm a student at The Royal Academy. Please could you answer a few questions to help me with my geography fieldwork?

1. How often do you shop in the town centre?

every day (daily)

once a week (weekly)

once a month (monthly)

less than once a month (infrequently)

2. Where do you usually shop?

town centre shops

local supermarket

retail park on the edge of town

other town or city

3. What are the main advantages of shopping in the town centre? (You may give more than one answer.)

4. What are the main disadvantages of shopping in the town centre? (You may give more than one answer.)

Thank you very much for your help and time.

Gender

Male

Female

Age group

Under 16

16-30

31-45

46-60

Over 60

Table 2.5 for Question 2

## Answers to Questions 3 and 4 in the questionnaire

Main advantage	Number of answers
Shops sell specialist goods	39
Friendly and helpful staff	26
Shops are never busy	18
Near to home	15
Frequent bus service to town centre	13
Total	111

Main disadvantage	Number of answers
Prices are more expensive than in shops elsewhere	77
Many shops have closed down	62
Lack of parking	56
Lack of choice when buying goods	34
No shelter against rain and cold weather	18
Total	247

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