

Section E Research methods

Answer **all** questions in the spaces provided.

Total for this question: 20 marks

5 Three female psychology teachers conducted a study into bystander behaviour. They thought that, if a female was in need of help, males would be more likely to offer help than females. The target population was university students and the participants were whoever happened to be present at the time of the study. The students were not told that they were going to be part of a study.

This is what the teachers did.

- They chose 15 locations at the university to conduct the study where there would be both male and female bystanders.
- At each location one of the teachers dropped her folders and books when there was only one male or one female bystander present.
- The other two teachers observed the bystanders. Each teacher recorded on her own record sheet whether the bystander helped or did not help.
- The bystanders, whether they helped or not, were stopped later and the purpose of the study was explained to them.

5 (a) Identify the sampling method that the teachers used during this study.

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(1 mark)

5 (b) Identify **one** ethical issue that the teachers should have considered.

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(1 mark)

5 (c) Briefly explain **one** reason why this study has ecological validity.

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(2 marks)



- 5 (d)** The two teachers who observed the students compared their record sheets afterwards and found that they both had the same results. This suggests that there was:
(Tick the correct box.)

High inter-observer reliability	<input type="checkbox"/>
Low inter-observer reliability	<input type="checkbox"/>

(1 mark)

The results of the study are shown in **Table 1**.

Table 1: The number of males and females that helped or did not help

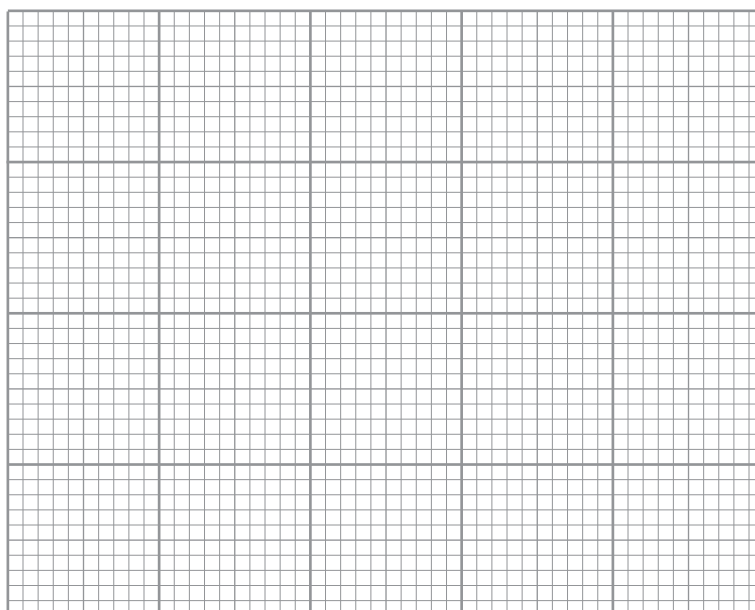
	Male	Female
Helped	15	5
Did not help	6	15

- 5 (e)** Use the graph paper below to draw a bar chart to display the results shown in **Table 1**.

Provide a suitable title and fully label your bar chart.

Title:

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(5 marks)

Turn over ►



5 (f) (i) Do the results of the investigation provide support for what the teachers thought would happen? (*Tick the correct box.*)

Yes	
No	

(1 mark)

5 (f) (ii) Explain the reason for your answer to 5(f)(i). Refer to the information in **Table 1**.

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(2 marks)

5 (g) (i) The teachers decided to conduct structured interviews with ten of the bystanders. They used random sampling to select the bystanders.

Outline **one** way in which the teachers could have obtained their random sample.

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(2 marks)



5 (g) (ii) Read the following questions that were used during the interview. Decide whether each is an open question or a closed question. (*Tick the correct box.*)

	Open	Closed
How did it make you feel when you saw the person drop her books?		
Would you have helped if a male had dropped his books? Yes or No		

(2 marks)

5 (g) (iii) Explain **at least one** advantage of using structured interviews.

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(3 marks)

20

END OF QUESTIONS

