

1. Bob carried out a survey of 100 people who buy tea. He asked them about the tea they buy most. The two-way table gives some information about his results.

	Tea bags	Packet tea	Instant tea	Total
50 g	2	0	5	
100 g	35	20		60
200 g	15			
Total		25		100

Complete the two-way table.

(Total 3 marks)

2. 60 British students each visited one foreign country last week. The two-way table shows some information about these students.

	France	Germany	Spain	Total
Female			9	34
Male	15			
Total		25	18	60

- (a) Complete the two-way table.

(3)

One of these students is picked at random.

- (b) Write down the probability that the student visited Germany last week.

.....

(1)

(Total 4 marks)

3. 80 students each study one of three languages. The two-way table shows some information about these students.

	French	German	Spanish	Total
Female	15			39
Male		17		41
Total	31	28		80

Complete the two-way table.

(Total 2 marks)

4. 56 students were asked if they watched tennis yesterday. 20 of the students are boys. 17 girls watched tennis. 13 boys did not watch tennis.

- (a) Use this information to complete the two way table.

	Boys	Girls	Total
Watched tennis			
Did not watch tennis			
Total			

(3)

One of these students is to be chosen at random.

- (b) Write down the probability that the student chosen is a boy.

.....

(2)

(Total 5 marks)

5. Mr Beeton is going to open a restaurant.
 He wants to know what type of restaurant people like.
 He designs a questionnaire.
 (a) Design a suitable question he could use to find out what type of restaurant people like.

(2)

He asks his family "Do you agree that pizza is better than pasta?"

This is **not** a good way to find out what people who might use his restaurant like to eat.

- (b) Write down **two** reasons why this is **not** a good way to find out what people who might use his restaurant like to eat.

First reason

Second reason

(2)

(Total 4 marks)

6. The manager of a school canteen has made some changes.
 She wants to find out what students think of these changes.
 She uses this question on a questionnaire.
 "What do you think of the changes in the canteen?"

Excellent

Very good

Good

- (a) Write down what is wrong about this question.

.....

(1)

This is another question on the questionnaire.

"How much money do you normally spend in the canteen?"

A lot

Not much

- (b) (i) Write down one thing that is wrong with this question.

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(1)

- (i) Design a better question for the canteen manager to use.
 You should include some response boxes.

(2)

(Total 4 marks)

7. The manager of a school canteen has made some changes.
 She wants to find out what students think of these changes.
 She uses this question on a questionnaire.
 "How much money do you normally spend in the canteen?"

A lot

Not much

Design a better question for the canteen manager to use.
 You should include some response boxes.

(Total 2 marks)