

Two-Way Tables

20 marks

1. 80 Year 12 students each study one Science.
The table shows some information about these students.

	Biology	Chemistry	Physics	Total
Female	18			47
Male			19	
Total		21	33	80

- (a) Complete the table.

(3)

One of these students is picked at random.

- (b) Write down the probability that the student studies Physics.

(1)

(Total 4 marks)

2. 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)

3. 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)

4. 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)

5. 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

- (a) Complete the two-way table.

(2)

One of these students is to be picked at random.

- (b) Write down the probability that the student picked studies French.

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(1)
(Total 3 marks)

6. Bob asked 100 adults which one type of music they enjoyed. They could choose Jazz or Rock or Classical or Folk music.

The two-way table shows some information about their answers.

	Jazz	Rock	Classical	Folk	Total
Men	12		19	4	52
Women		23			
Total	21			11	100

- (a) Complete the two-way table.

(3)

- (b) How many women did not choose Classical music?

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(1)
(Total 4 marks)