

## P27 - Two Way Tables

OCR

Edexcel

12 Emma has 45 rabbits.

Created by W Neill

30 of the rabbits are male.

8 of the female rabbits have short hair.

12 of the rabbits with long hair are male.

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

	Male	Female	Total
Long hair			
Short hair			
Total			

(3)

One of Emma's rabbits is chosen at random.

(b) Write down the probability that this rabbit is a female with short hair.

.....  
(1)

(Total for Question 12 is 4 marks)

12 Emma has 45 rabbits.

Created by W Neill

30 of the rabbits are male.

8 of the female rabbits have short hair.

12 of the rabbits with long hair are male.

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

	Male	Female	Total
Long hair	12	7	19
Short hair	18	8	26
Total	30	15	45



(3)

One of Emma's rabbits is chosen at random.

(b) Write down the probability that this rabbit is a female with short hair.

$$\frac{8}{45}$$

(1)

(Total for Question 12 is 4 marks)

8 60 people were asked if they prefer to go on holiday in Britain or in Spain or in Italy.

P27 38 of the people were male.

11 of the 32 people who said Britain were female.

8 males said Italy.

12 people said Spain.

One of the females is chosen at random.

What is the probability that this female said Spain?

.....  
(Total for Question 8 is 4 marks)

8 60 people were asked if they prefer to go on holiday in Britain or in Spain or in Italy.

P27 38 of the people were male.

11 of the 32 people who said Britain were female.

8 males said Italy.

12 people said Spain.

One of the females is chosen at random.

What is the probability that this female said Spain?

	B	S	I	Totals
male	21	9	8	38
female	11	3	8	22
Totals	32	12	16	60

$$\frac{3}{22}$$

(Total for Question 8 is 4 marks)

AQA