

Two-Way Tables Past Paper Questions



Q1.

Complete the two-way table.

	blue eyes	brown eyes	green eyes	total
boys	5		4	12
girls		7		
total			9	30

(Total for question is 3 marks)

Q2.

The two-way table shows some information about the numbers of ice creams sold in a shop.

	Friday	Saturday	Sunday	Total
Morning		34		
Afternoon	38		63	153
Total	65			265

Complete the two-way table.

(Total for question = 3 marks)



Q3.

Some students went on an activity course.

Each student had to choose one activity from art or drama or music.

There were 41 students.

15 of the students chose music.

30 of the students were girls.

8 of the girls chose art.

No boys chose art.

Equal numbers of boys and girls chose drama.

Complete the two-way table.

	art	drama	music	total
girls				
boys				
total				41

(Total for question = 3 marks)

Q4.

148 students each choose to study Geography or to study History.

72 of the students choose History.

34 boys choose Geography.

28 girls choose History.

Use this information to complete the two-way table.

	Geography	History	Total
Boys			
Girls			
Total			

(Total for question = 3 marks)



Q5.

Emma has 45 rabbits.

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 = 4 marks)

Q6.

On an activity day students play one sport.

They play football or hockey or tennis.

120 students are on the activity day.

30 of the students are boys.

12 of the boys and 26 of the girls play hockey.

45 of the students play football.

35 of the 45 students who play football are girls.

Work out the number of girls who play tennis.

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(Total for Question is 4 marks)



Q7.

66 people went on a day trip.
Each person did only one activity on the trip.

Each person went skating or went to an art gallery or went bowling.

43 of the people are female.
4 of the 10 people who went skating are male.
20 of the people went to the art gallery.
10 males went bowling.

Work out the number of females who went to the art gallery.

.....
Total for question = 4 marks)



Q8.

People can buy three types of plane tickets.

They can buy

- an Economy ticket
- a Premium ticket
- or a Business ticket

200 people buy plane tickets.

- 92 males buy tickets
- 30 of the males buy Business tickets
- 62 females buy Economy tickets

A total of 44 people buy Business tickets.

A total of 60 people buy Premium tickets.

How many males buy Premium tickets?

You must show all your working.

.....
(Total for question = 4 marks)



Q9.

A teacher asked 30 students if they had a school lunch or a packed lunch or if they went home for lunch.

17 of the students were boys.

4 of the boys had a packed lunch.

7 girls had a school lunch.

3 of the 5 students who went home were boys.

Work out the number of students who had a packed lunch.

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(Total for Question is 4 marks)

Q10.

99 children each buy one drink.

They each buy cola or juice or water.

45 of these children are girls.

25 boys buy cola.

16 girls buy juice.

17 of the 37 children who buy water are boys.

Work out the number of children who buy cola.

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(Total for question = 4 marks)