

Two Way Tables

November 2021 Paper 3

- 9 Vadim has 56 clocks.
The clocks are only red, only blue or only black.

32 of the clocks are plastic.

5 of the 14 blue clocks are plastic.

8 of the 12 red clocks are **not** plastic.

Use this information to complete the two-way table.

	Red	Blue	Black	Total
Plastic				
Not plastic				
Total				

(Total for Question 9 is 3 marks)

November 2024 Paper 1

11 500 people were asked what type of film they liked best.

280 of the 500 people were adults.

100 of the adults said they liked action films best.

80 of the children said they liked thriller films best.

150 of the people said they liked action films best.

200 of the people said they liked comedy films best.

(a) Complete the two-way table.

	Comedy	Thriller	Action	Total
Adults				
Children				
Total				500

(3)

One of these 500 people is chosen at random.

(b) Find the probability that this person is an adult who said they liked action films best.

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(2)

(Total for Question 11 is 5 marks)

June 2024 Paper 3

- 13 James asks students in Year 10 and Year 11 to name their favourite language from French or German or Spanish.

The two-way table shows information about his results.

	French	German	Spanish	Total
Year 10	33		34	
Year 11		45		113
Total			67	207

Complete the two-way table.

(Total for Question 13 is 3 marks)

June 2022 Paper 2

- 13** Sophie works in a bed shop.
During the last three months she sold 198 beds.

59 beds were sold without a mattress.

45 beds were double beds.

17 of the single beds were sold without a mattress.

67 of the 83 king size beds were sold with a mattress.

Use this information to complete the two-way table.

	Single	Double	King size	Total
With mattress				
Without mattress				
Total				

(Total for Question 13 is 3 marks)

June 2020 Paper 1

14 Ishmael asked 30 students at college to tell him the sport they each like the best from cricket or tennis or swimming.

11 of the 20 female students said swimming.

2 of the male students said tennis.

5 students said cricket.

The number of male students who said cricket was the same as the number of male students who said swimming.

Complete the two-way table.

	Cricket	Tennis	Swimming	Total
Male students				
Female students				20
Total				30

(Total for Question 14 is 3 marks)

November 2023 Paper 2

16 160 people were asked to choose their favourite type of book.
They each chose from romance or adventure or horror or thriller.

85 of these people were children.
The rest were adults.

19 of the 33 people who chose romance were children.
34 of the 76 people who chose adventure were adults.
7 adults chose thriller.

The number of children who chose thriller was the same as the number of adults who chose horror.

Work out the total number of people who chose horror.
You must show how you get your answer.

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(Total for Question 16 is 4 marks)

November 2022 Paper 3

- 23** 200 students chose one language to study.
Each student chose one language from French or Spanish or German.

Of the 200 students,

90 are boys and the rest of the students are girls
70 chose Spanish
60 of the 104 students who chose French are boys
18 girls chose German.

Work out how many boys chose Spanish.

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(Total for Question 23 is 3 marks)