Two-way tables

Grade 2 | Foundation | 5 questions, 20 marks

GCSE Statistics topic practice

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 The two-way table shows information about the pets owned by some Year 7 and Year 8 pupils.

	Cat	Dog	No pet	Total
Year 7	9	11	10	30
Year 8	7	8	13	28
Total	16	19	23	58

a. How many Year 8 pupils have a dog? (1)

b. How many pupils in total have a cat? (1)

c. How many more Year 8 pupils than Year 7 pupils have no pet? (1)

(3 marks)

2 60 pupils in Year 9 each choose one activity for a school trip. The two-way table shows some information about their choices.

	Climbing	Kayaking	Archery	Total
Boys	12		7	28
Girls		14		
Total	20			60

a. Complete the two-way table. (3)

b. Write down the activity that was chosen by the most girls. (1)

(4 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

3 50 people went to see a film.

- 30 of the people were children. The rest were adults.
- 18 of the children had popcorn.
- 21 of the 50 people did not have popcorn.

	Popcorn	No popcorn	Total
Children			
Adults			
Total			50

a. Use this information to complete the two-way table. (3)

b. What fraction of the adults did not have popcorn? (1)

(4 marks)

4 Tom asked 60 pupils how they travel to school. He put his results in this two-way table.

	Bus	Walk	Car	Total
Year 7	14	9	7	30
Year 8	11	13	6	30
Total	25	22	15	60

Tom has made a mistake. One of the numbers in the Total row is wrong.

a. Find the number that is wrong and write down what it should be. (2)

b. Write down the most common way the Year 8 pupils travel to school. (1)

c. In total, how many more pupils travel by bus than walk? (1)

(4 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

5 Asha records whether 100 trains at her local station are on time or late.

	On time	Late	Total
Morning	42	18	60
Afternoon	32	8	40
Total	74	26	100

a. Write down the number of afternoon trains that were on time. (1)

b. Work out the percentage of the morning trains that were late. (2)

c. Asha says, "A morning train is more likely to be late than an afternoon train."
Is Asha correct? You must show your working. (2)

(5 marks)

End of questions | Total 20 marks

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.