GCSE FOUNDATION · REVISION MAT 5

Two-way tables

1 Complete the two-way table.

	Dog	Cat	None	Total
Boys	11		12	30
Girls		14	8	
Total	19	21		60

2 The two-way table shows some information.

	Dog	Cat	None	Total
Boys	11	7	12	30
Girls	8	14	8	30
Total	19	21	20	60

(a) How many girls chose none?

(b) How many people chose cat altogether?

3 The two-way table shows some information.

	Dog	Cat	None	Total
Boys	11	7	12	30
Girls	8	14	8	30
Total	19	21	20	60

Show that $\frac{19}{60}$ of the people chose dog.

4 The two-way table shows some information.

	Dog	Cat	None	Total
Boys	11	7	12	30
Girls	8	14	8	30
Total	19	21	20	60

What percentage of the boys chose dog?

5 60 students were asked about something. 30 were boys.
11 boys chose dog, 14 girls chose cat.
19 chose dog and 20 chose none altogether. 12 boys chose none.

Draw a two-way table and complete it.

6 The two-way table shows some information.

	Dog	Cat	None	Total
Boys	11	7	12	30
Girls	8	14	8	30
Total	19	21	20	60

A person is chosen at random.

Work out the probability that the person is a girl and chose cat.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

Two-way tables

1

	Dog	Cat	None	Total
Boys	11	**7**	12	30
Girls	**8**	14	8	**30**
Total	19	21	**20**	60

2 (a) **8**

(b) **21**

3 19 out of 60 = $\frac{\mathbf{19}}{\mathbf{60}}$ ✓

4 11 ÷ 30 × 100 = **36.7%**

5

	Dog	Cat	None	Total
Boys	11	**7**	12	30
Girls	**8**	14	**8**	**30**
Total	19	**21**	20	60

6 14 out of 60

$\frac{\mathbf{14}}{\mathbf{60}}$

Mr&Mrs MATHS