GCSE FOUNDATION · REVISION MAT 4

Two-way tables

1 Complete the two-way table.

	Tea	Coffee	Juice	Total
Male	16		3	40
Female		12	9	
Total	35	33		80

2 The two-way table shows some information.

	Tea	Coffee	Juice	Total
Male	16	21	3	40
Female	19	12	9	40
Total	35	33	12	80

(a) How many female chose juice?

(b) How many people chose coffee altogether?

3 The two-way table shows some information.

	Tea	Coffee	Juice	Total
Male	16	21	3	40
Female	19	12	9	40
Total	35	33	12	80

Show that $\frac{35}{80}$ of the people chose tea.

4 The two-way table shows some information.

	Tea	Coffee	Juice	Total
Male	16	21	3	40
Female	19	12	9	40
Total	35	33	12	80

What percentage of the male chose tea?

5 80 students were asked about something. 40 were male. 16 male chose tea, 12 female chose coffee. 35 chose tea and 12 chose juice altogether. 3 male chose juice.

Draw a two-way table and complete it.

6 The two-way table shows some information.

	Tea	Coffee	Juice	Total
Male	16	21	3	40
Female	19	12	9	40
Total	35	33	12	80

A person is chosen at random.

Work out the probability that the person is female and chose coffee.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

Two-way tables

1

	Tea	Coffee	Juice	Total
Male	16	**21**	3	40
Female	**19**	12	9	**40**
Total	35	33	**12**	80

2 (a) **9**

(b) **33**

3 35 out of 80 = $\frac{\mathbf{35}}{\mathbf{80}} = \frac{7}{16}$ ✓

4 16 ÷ 40 × 100 = **40%**

5

	Tea	Coffee	Juice	Total
Male	16	**21**	3	40
Female	**19**	12	**9**	**40**
Total	35	**33**	12	80

6 12 out of 80

$\frac{\mathbf{12}}{\mathbf{80}}$

Mr&Mrs MATHS