GCSE FOUNDATION · REVISION MAT 3

Two-way tables

1 Complete the two-way table.

	Art	Music	Drama	Total
Year 7	9		8	30
Year 8		6	13	
Total	20	19		60

2 The two-way table shows some information.

	Art	Music	Drama	Total
Year 7	9	13	8	30
Year 8	11	6	13	30
Total	20	19	21	60

(a) How many year 8 chose drama?

(b) How many people chose music altogether?

3 The two-way table shows some information.

	Art	Music	Drama	Total
Year 7	9	13	8	30
Year 8	11	6	13	30
Total	20	19	21	60

Show that $\frac{20}{60}$ of the people chose art.

4 The two-way table shows some information.

	Art	Music	Drama	Total
Year 7	9	13	8	30
Year 8	11	6	13	30
Total	20	19	21	60

What percentage of the year 7 chose art?

5 60 students were asked about something. 30 were year 7.
9 year 7 chose art, 6 year 8 chose music.
20 chose art and 21 chose drama altogether. 8 year 7 chose drama.

Draw a two-way table and complete it.

6 The two-way table shows some information.

	Art	Music	Drama	Total
Year 7	9	13	8	30
Year 8	11	6	13	30
Total	20	19	21	60

A person is chosen at random.

Work out the probability that the person is in Year 8 and chose music.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 3

Two-way tables

1

	Art	Music	Drama	Total
Year 7	9	**13**	8	30
Year 8	**11**	6	13	**30**
Total	20	19	**21**	60

2 (a) **13**

(b) **19**

3 20 out of 60 = $\frac{\mathbf{20}}{\mathbf{60}} = \frac{1}{3}$ ✓

4 9 ÷ 30 × 100 = **30%**

5

	Art	Music	Drama	Total
Year 7	9	**13**	8	30
Year 8	**11**	6	**13**	**30**
Total	20	**19**	21	60

6 6 out of 60

$\frac{\mathbf{6}}{\mathbf{60}}$

Mr&Mrs MATHS