Worksheet – Representing Data – Two-Way Tables

1. The table shows the number of students in each year in a school.

	7	8	9	10	11	Totals
Male	76	78	80	79	82	395
Female	65	68	79	81	84	377
Totals	141	146	159	160	166	772

    (a)   What patterns are shown in the data?
    (b)   What percentage of the students are in Year 11?
    (c)   Which year group has the largest percentage of girls?

2. This table shows information about the health of people.

	Mintsfeet	England
All People	2145	49138831
Good Health	1540	33787361
Fairly Good Health	453	10915594
Not Good Health	152	4435876

Compare the health of people living in Mintsfeet with the health of people in England in general.

3. A company makes 3 models of car, Alpha, Beta, and Gamma. Each model is available in red, blue, or yellow. Complete the two-way table showing the colours and models of the cars.

	Alpha	Beta	Gamma	Totals
Red		50	70	160
Blue	35			185
Yellow		20	10	55
Totals	100	150		400

4. A pet shop sells cats. They are available only in 2 types, ginger or white. The shop has 14 male ginger cats. There are 40 cats altogether, and a quarter of them are white. There are 6 female cats that are white.

    (a)   Draw up a two way table showing the number of each type of cat.
    (b)   What percentage of the cats are white male cats?
    (c)   Suggest a possible reason why the shop has more cats of one type than another.