The two-way table gives some information about how 100 children travelled to school one day.

	Walk	Car	Other	Total
Boy	15	25	14	54
Girl	22	8	16	46
Total	37	33	30	100

100
- 54
46

(a) Complete the two-way table.

(3)

One of the children is picked at random.

(b) Write down the probability that this child walked to school that day.

37 students walked out of 100. *remember probability is written as a fraction or a decimal (not a %)*

37/100

....

(1)

(Total 4 marks)

Ali asked 200 students which sport they like best. They could choose swimming or tennis or athletics.

The two-way table shows some information about their answers.

	Swimming	Tennis	Athletics	Total
Female	43	25	19	87
Male	36	42	35	113
Total	79	67	54	200

Complete the two-way table.

(Total 3 marks)

$$\begin{array}{cc} 79 \\ +54 \\ \hline 133 \end{array} \quad \begin{array}{c} 200 \\ -133 \\ \hline 67 \end{array} \quad \begin{array}{c} 79 \\ -36 \\ \hline 43 \end{array} \quad \begin{array}{c} 67 \\ -42 \\ \hline 25 \end{array} \quad \begin{array}{c} 54 \\ -19 \\ \hline 35 \end{array} \quad \begin{array}{c} 43 \\ 25 \\ 19 \\ \hline 87 \end{array} \quad \begin{array}{c} 36 \\ 42 \\ 35 \\ \hline 113 \end{array}$$

I always like to do a final check in the total row and column ....
87 + 113 = 200 ✓
79 + 67 + 54 = 200 ✓

JustMaths

A teacher asked 30 students if they had a school lunch or a packed lunch or if they went home at lunch.

17 of the students were boys ✓

4 of the boys had a packed lunch ✓

7 girls had a school lunch ✓

3 of the 5 students who went home were boys ✓

Be sure to answer the question

✳ Work out the number of students who had a packed lunch

	PACKED LUNCH	SCHOOL LUNCH	HOME	TOTAL
Boys	4	10	3	17
Girls	4	7	2	13
Total	8	17	5	30

obviously you can use a ruler to keep it looking neat ☺

my check :-
17 + 13 = 30 ✓
8 + 17 + 5 = 30 ✓

The number of students who had a packed lunch was 8

Janice asks 100 students if they like biology or chemistry or physics best.

38 of the students are girls.

21 of these girls like biology best.

18 boys like physics best.

7 out of the 23 students who like chemistry best are girls.

Work out the number of students who like biology best.

	Biology	Chemisty	Physics	Total
Boys	28	16	18	62
Girls	21	7	10	38
Total	49	23	28	100

mycheck :-
62 + 38 = 100
49 + 23 + 28 = 100

The number of students who like biology best is 49