

Part 3.2: Tables with Numbers

1. This table shows data from the 2013 Census for New Zealand, and the number of males and females in each age group.

Age in Years	Number of People		
	Male	Female	Total
0-14	444,624	425,865	870,489
15-29	438,294	441,135	879,429
30-44	403,485	445,758	849,243
45-59	424,254	457,005	881,259
60-74	295,242	312,285	607,527
75+	113,571	151,686	265,257
Total	2,119,470	2,233,734	4,353,204

[data extracted on 05 Aug 2018 from NZ.Stat](#)

How many New Zealanders:

- Are aged 0-14?
- Are male?
- Are female and aged 15-29?

What proportion of New Zealanders:

- Are under 30?
- Are 60 or over and female?

2. This table shows data from the 2013 Census for New Zealand, and the number of children born alive to each women based on their age group.

Number of children	Age of Woman in Years			
	15-29	30-64	65+	Total
No children	299,919	165,036	26,124	491,079
One child	43,134	136,182	19,827	199,143
Two children	24,408	313,971	81,231	419,610
Three children	8,328	179,205	78,162	265,695
Four children	2,502	69,615	46,158	118,275
Five children	786	24,138	20,061	44,985
Six or more children	369	18,057	18,543	36,969
Object to answering	5,952	29,031	10,587	45,570
Total	385,398	935,235	300,693	1,621,326

[data extracted on 05 Aug 2018 from NZ.Stat](#)

How many New Zealand women:

- Have no children?
- Are aged over 65?
- Have five or more children?

What proportion of New Zealand women:

- Are under 30 and have one child?
- Are 65 or over and have no children?

3. This table shows data from the 2012 New Zealand General Social Survey (NZGSS), and the number of people who have high and low life satisfaction based on their family type. Note:

Overall life satisfaction	Number of People			
	Couple without child(ren)	Couple with child(ren)	One parent with child(ren)	Not in a family nucleus
Low	133,000	210,000	107,000	165,000
High	922,000	1,205,000	245,000	541,000
Total	1,055,000	1,415,000	352,000	706,000

[data extracted on 05 Aug 2018 from NZ.Stat](#)

- Add a total column to the right of the table
 - How many New Zealanders:
 - Have high life satisfaction?
 - Are not in a family nucleus?
 - Have high life satisfaction and are a couple without children?
 - Have high life satisfaction and are not in a family nucleus?
4. The table below shows data from 2014, and the number of fatal and serious non-fatal injuries by sex, and severity of injury.

Severity of injury	Number of Injuries		
	Male	Female	Total
Fatal	1,125		1,797
Serious non-fatal			
Total		5,295	11,295

[data extracted on 05 Aug 2018 from NZ.Stat](#)

- Fill in the blanks in the table
- How many injuries:
 - Were on a male?
 - Were fatal?
 - Were on a male and fatal?
 - Were on a female and serious (non-fatal)?

Part 3.2 Answers

- 1a. 870,489
 1b. 2,119,470
 1c. 441,135
 1d. $1,749,918 / 4,353,204 = 0.402$ (3sf)
 1e. $463,971 / 4,353,204 = 0.107$ (3sf)

- 2a. 491,079
 2b. 300,693
 2c. 81,954
 2d. $43,134 / 1,621,326 = 0.0266$ (3sf)
 2e. $26,124 / 1,621,326 = 0.0161$ (3sf)

3a.

Overall life satisfaction	Couple without child(ren)	Couple with child(ren)	One parent with child(ren)	Not in a family nucleus	Total
Low	133,000	210,000	107,000	165,000	615,000
High	922,000	1,205,000	245,000	541,000	2,913,000
Total	1,055,000	1,415,000	352,000	706,000	3,528,000

- 3bi. 2,913,000
 3bii. 706,000
 3biii. 922,000
 3biv. 541,000

4a.

Severity of injury	Number of Injuries		
	Male	Female	Total
Fatal	1,125	672	1,797
Serious non-fatal	4,875	4,623	9,498
Total	6,000	5,295	11,295

- 4bi. 6,000
 4bii. 1,797
 4biii. 1,125
 4bvi. 4,623