

Part 3.1: Tables with Proportions or Percentages

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

Ethnicity	Number of People		
	Male	Female	Total
European	33.0%	36.4%	69.4%
Maori	5.4%	6.1%	11.5%
Pacific Peoples	2.7%	2.9%	5.5%
Asian	5.2%	5.7%	10.9%
Middle Eastern/Latin American/African	0.5%	0.5%	1.0%
Other ethnicity	0.9%	0.7%	1.6%
Total	47.7%	52.3%	100.0%

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

What is the percentage of New Zealanders are:

- European?
 - Male?
 - European or Maori?
 - Asian and a Female?
 - A male and either Asian or Middle Eastern/Latin American/African
2. This table shows data from the 2013 Census for New Zealand, and the proportion of males and females and how long they have been living in their current residence.

Years at Residence	Number of People		
	Male	Female	Total
0 years	0.109	0.113	0.223
1-4 years	0.145	0.154	0.300
5-9 years	0.101	0.106	0.208
10-14 years	0.053	0.056	0.109
15-29 years	0.055	0.060	0.115
30 years or more	0.022	0.025	0.047
Total	0.486	0.514	1.000

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

What is the proportion of New Zealanders:

- Are female?
- Have lived at their current residence for 10-14 years?
- Are male and lived at their residence for less than 1 year?
- Are female and lived in their residence for 30 or more years?
- Have lived at their current residence for less than 10 years?

3. The table below shows the number of offences recorded during 2014 in New Zealand. Note: some values are deliberately missing from the table.

Offence	Number of Offences		
	Unresolved	Resolved	Total Recorded
Homicide and related offences	0.0000	0.0002	0.0002
Acts intended to cause injury	0.0315	0.0825	
Sexual assault and related offences	0.0061	0.0055	0.0116
Dangerous or negligent acts endangering persons	0.0009	0.0012	0.0021
Abduction, harassment and other related offences against a person	0.0187	0.0242	0.0429
Robbery, extortion and related offences	0.0037	0.0025	
Unlawful entry with intent/burglary, break and enter	0.1336	0.0184	0.1520
Theft and related offences	0.2667	0.0738	
Fraud, deception and related offences	0.0130	0.0128	0.0258
Illicit drug offences	0.0043	0.0429	0.0472
Prohibited and regulated weapons and explosives offences	0.0018	0.0148	0.0165
Property damage and environmental pollution	0.0826	0.0326	0.1152
Public order offences		0.0607	0.0763
Offences against justice procedures, government security and government operations	0.0053	0.0406	0.0459
Miscellaneous offences	0.0015	0.0021	0.0036
Total	0.5851	0.4149	1.0000

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

1. Fill in the blanks in the table
2. What proportion of offences from 2014 were:
 - i. Unresolved?
 - ii. Acts intended to cause injury?
 - iii. Either theft and related offences or robbery, extortion and related offences?
 - iv. Unresolved public order offences?
4. This table shows data from the 2012 New Zealand General Social Survey (NZGSS), and the percentage of people who voted in the most recent general election, and the most recent local body election. Note: some values are deliberately missing from the table.

Voted in Local Body Election	Voted in General Election		
	Yes	No	Total
Yes	61.1%		
No		18.9%	
Total	78.7%		

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

- a. Fill in the blanks in the table
- b. What percentage of New Zealanders:
 - i. Voted in the most recent general election?
 - ii. Voted in both the most recent local body and general elections?
 - iii. Voted in at least one of the elections?
 - iv. Voted in neither of the elections?

Part 3.1 Answers

1a. 69.4%
 1b. 47.7%
 1c. 80.9%
 1d. 5.7%
 1e. 5.7%

2a. 0.514
 2b. 0.109
 2c. 0.109
 2d. 0.025
 2e. 0.731

3a.

Offence	Number of Offences		
	Unresolved	Resolved	Total Recorded
Homicide and related offences	0.0000	0.0002	0.0002
Acts intended to cause injury	0.0315	0.0825	0.1140
Sexual assault and related offences	0.0061	0.0055	0.0116
Dangerous or negligent acts endangering persons	0.0009	0.0012	0.0021
Abduction, harassment and other related offences against a person	0.0187	0.0242	0.0429
Robbery, extortion and related offences	0.0037	0.0025	0.0062
Unlawful entry with intent/burglary, break and enter	0.1336	0.0184	0.1520
Theft and related offences	0.2667	0.0738	0.3405
Fraud, deception and related offences	0.0130	0.0128	0.0258
Illicit drug offences	0.0043	0.0429	0.0472
Prohibited and regulated weapons and explosives offences	0.0018	0.0148	0.0165
Property damage and environmental pollution	0.0826	0.0326	0.1152
Public order offences	0.0156	0.0607	0.0763
Offences against justice procedures, government security and government operations	0.0053	0.0406	0.0459
Miscellaneous offences	0.0015	0.0021	0.0036
Total	0.5851	0.4149	1.0000

3bi. 0.5851
 3bii. 0.1140
 3biii. 0.3467
 3biv. 0.0156

4a.

Voted in Local Body Election	Voted in General Election		
	Yes	No	Total
Yes	61.1%	2.4%	63.5%
No	17.6%	18.9%	36.5%
Total	78.7%	21.3%	100.0%

4bi. 78.7%
 4bii. 61.1%
 4biii. 81.1%
 4biv. 18.9%