

# Solutions to Exercises 1

1. Data types:

- (a) Categorical
- (b) Continuous
- (c) Ordinal
- (d) Discrete

2. Relative frequency table for data on number of calls:

Calls made	Tally	Frequency	Relative Frequency %
95		1	2
96		2	4
97		3	6
98		7	14
99		14	28
100		8	16
101		8	16
102		4	8
103		2	4
104		1	2
<b>Totals</b>		50	100

3. Relative frequency table for length of call data:

Length of call	Tally	Frequency	Relative Frequency %
$250 \leq \text{length} < 260$		2	4
$260 \leq \text{length} < 270$		3	6
$270 \leq \text{length} < 280$		2	4
$280 \leq \text{length} < 290$		7	14
$290 \leq \text{length} < 300$		9	18
$300 \leq \text{length} < 310$		12	24
$310 \leq \text{length} < 320$		9	18
$320 \leq \text{length} < 330$		4	8
$330 \leq \text{length} < 340$		1	2
$340 \leq \text{length} < 350$		1	2
<b>Totals</b>		50	100