

# Solutions to Exercises 1

Data types:

1. Categorical
2. Continuous
3. Ordinal
4. Discrete

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

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