Solutions - Exercise 4

1	mean = 4.64 to 2 d.p. $mode = 1$	standard deviation = 3.65 to 2 d.p. range = 12
2	mean = 10.25 to 2 d.p. mode = 12.5	st. dev. = 3.11 range = 10
3	mean = 66.29	
4	corrected mean = 39.7	
5	 (a) false, average = 48 (b) false, not in the presence of extreme values 	
6	mean = 36 $mode = 21$	standard deviation = 18.138 range = 60
7	mean = 368.8	mode = 325
8	mean = \$ 83 000	range = \$ 40 000
9	mean = 77.2	standard deviation = 4.29
10	var. = 1.08 to 2 d.p. range = 3	
11	mean = 10.68 to 2 d.p.	standard deviation = 2.298 to 3 d.p.
12	mean = 9	standard deviation = 1.6073
13	mean = 0.85 deviation = 1.21 to 2 d.p. mode = 0	standard range = 5
14	mean = 1.75	standard deviation = 1.09 to 2 d.p.
15	mean = 13.83 to 2 d.p.	standard deviation = 4.91313
16	All numbers in the data set are 95.	
17	Set Z has the largest standard deviation and set X has the smallest.	
18	No change to standard deviation or variance.	
19	mean = 8.964 st dev = 0.103	346 var = 0.01

20 mean = 3.22 var = 1.30 to 2 d.p.