THE STANDARD DEVIATION AS A MEASURE OF SPREAD - **CORRECTIONS**

1 (a) Mean: 2.55
(b) When finding the standard deviation you can regard this as a population, so you will find the population standard deviation.
(c) 2.25

2 (a) 62.20 (b) $sx = 16.25$

3 (a) You can reasonably assume that these values refer to a sample.
(b) Mean: 37.2
Standard deviation 6.43
(c) Mean: 35.06
Standard deviation: 10.57

5 (a) A (b) 1.88 (c) 1.83

7 (a) Machine A: 59.6 g
Machine A: 60 g
(b) Neither machine would be shut down.
(c) Machine A: $sx = 2.41$
Machine B: = 2.11
(d) Machine A would be shut down.