





2. A set of test marks is shown here: 28, 26, 34, 37, 27, 44, 21, 27, 18, 23, 26, 27, 13 Use an appropriate formula to calculate the mean and standard deviation.



- **3.** a) A quality control examiner on a production line measures the weight in grams of cakes coming off the line. In a sample of eight cakes the weights were: 150g, 147g, 148g, 153g, 149g, 143g, 145g, 149g Calculate the mean and standard deviation.
  - **b**) On a second production line, a sample of 8 cakes gives a mean of 149g and a standard deviation of 6.1.

Write 2 sentences comparing the 2 sets of cakes above.





(2)