

1. Find the mean, median, range and standard deviation of the array

2. The times taken for 8 students to complete a standard task have been measured (correct to the nearest minute) as

Find the mean and median of the sample.

- 3. Find the range and standard deviation of the data in problem 2.
- 4. The diameter of a circle has been measured 3 times and the following results obtained:

Find the mean diameter and the standard deviation from this mean.

5. The tensile strength in megapascals for 15 samples of tin were determined and found to be:

Calculate the mean and standard deviation from the mean for these 15 values, correct to 4 significant figures.

[Note: You don't need to understand anything about tensile strength in order to answer this question.]

6. 20 readings of external temperature have been taken at 12 noon on consecutive days in September and the results recorded as follows (correct to the nearest 0.1 °C):

Calculate the mean temperature and the standard deviation from the given data.