arithmetic mean (average)

The sum of a series of observations divided by the number of observations. Symbol: $\bar{x}$. It can be calculated by the formula:

$$\bar{x} = \frac{\sum x_i}{n}$$

Note:

All summations are taken from 1 to n. Note that the arithmetic mean is an unbiased estimate of the population mean, i.e. μ is the limiting value for $\bar{x}$, as $n \to \infty$.

Source:

PAC, 1994, *66*, 595 *(Nomenclature for the presentation of results of chemical analysis (IUPAC Recommendations 1994))* on page 599