Daily Question – Applied Mathematics - Day 6

Topic: Coding , mean and standard form

A meteorologist records the daily mean pressures, p hPa, at Heathrow on the first 10 days of May 2015.

The data is coded using $x = \frac{p - 1000}{2}$. The summary statistics are:

$\sum x = 43.5$ $\sum x^2 = 365.25$

Find:

a the mean of the daily mean pressures **(2 marks)**

b the variance of the daily mean pressures. **(2 marks)**