

2 The heights, h , to the nearest centimetre, of 10 students are summarised below.

$$\sum h = 1776 \quad S_{hh} = 236.4$$

(a) Work out the mean (\bar{h}) and standard deviation (σ_h) (3)

The data is coded using the formula $c = h - 165$

(b) Work out the mean (\bar{c}) and standard deviation (σ_c) for the coded values. (2)

(Total for Question 2 is 5 marks)

3 The masses, x , to the nearest kg, of 8 cows are summarised below.

$$\sum x = 4120 \quad \sum x^2 = 2\,121\,856$$

(a) Work out the mean (\bar{x}) and standard deviation (σ_x) (3)

The data is coded using the formula $y = \frac{x}{5} - 100$

(b) Work out the mean (\bar{y}) and standard deviation (σ_y) for the coded values. (2)

(Total for Question 2 is 5 marks)



