The number, x, of pine trees was counted in each of 40 randomly chosen regions of equal size in country A. The number, y, of pine trees was counted in each of 60 randomly chosen regions of the same equal size in country B. The results are summarised as follows.

$$\Sigma x = 752 \qquad \Sigma x^2 = 14320 \qquad \Sigma y = 1548 \qquad \Sigma y^2 = 40200$$

Find a 95% confidence interval for the difference between the mean number of pine trees in regions of this size in countries A and B. [7]