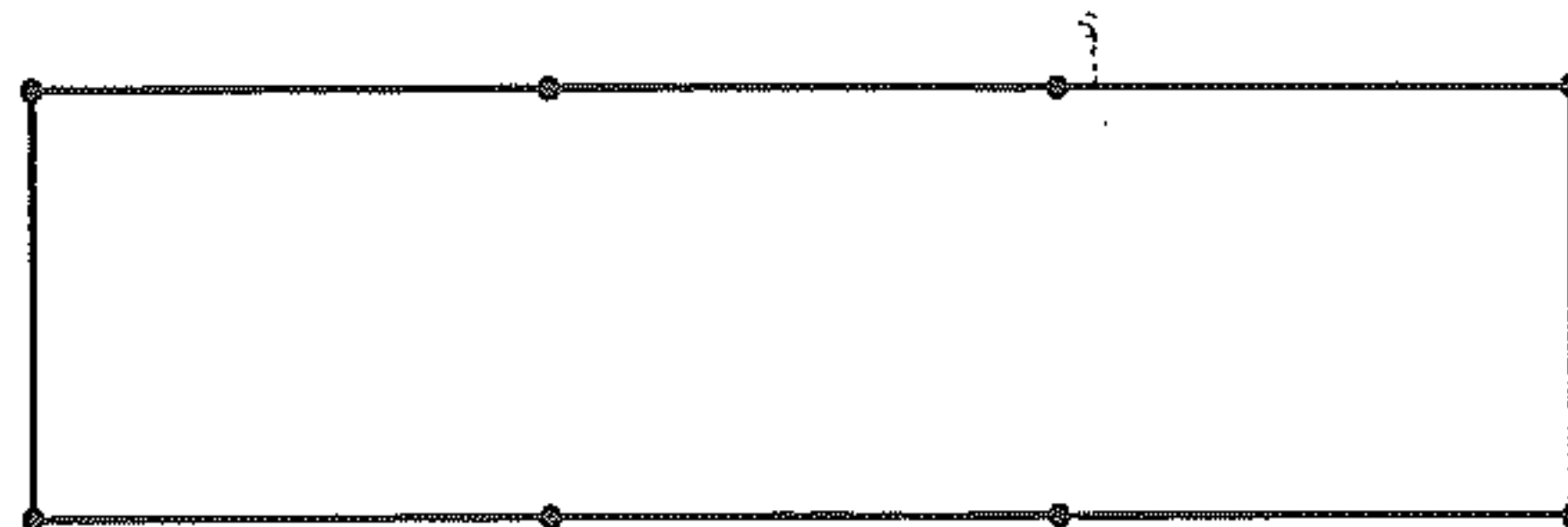# IGCSE – Greatest and least values -2

May 02 Paper 2

9   Elena has eight rods each of length 10 cm, correct to the nearest centimetre.
She places them in the shape of a rectangle, three rods long and one rod wide.

NOT TO SCALE

(a)   Write down the minimum length of her rectangle.

Answer (a) .... cm   [1]

(b)   Calculate the minimum area of her rectangle.

Answer (b) .... cm^2 [1]

May 06 Paper 2

9   The distance between Singapore and Sydney is 6300 km correct to the nearest 100 km.
A businessman travelled from Singapore to Sydney and then back to Singapore.
He did this six times in a year.
Between what limits is the total distance he travelled?

Answer .... km $\leqslant$ total distance travelled < .... km [2]

Oct 06 Paper 2

4   Angharad sleeps for 8 hours each night, correct to the nearest 10 minutes.
The total time she sleeps in the month of November (30 nights) is T hours.
Between what limits does T lie?

Answer .... $\leqslant T <$ .... [2]