$a+b+b=1231 \implies a=1231-2b$ Now compute the area:

 $area=a \times b = (l-2b)b = 1231b - 2b^2$

Notice the Parabolic function, compute the vertex: vertex= $(\frac{1231}{4} \text{ meters }, \frac{1515361}{9} \text{ meters}^2)$

Square the unit for vertex's vertical coordinate since it is a quadratic.

There are 3 sides to fence, two sides with length b and one side with length a: