Now find the area:  $area=a\times b=(l-2b)b=4671b-2b^2$  Notice the Parabolic formula, find the vertex:  $area=a\times b=(l-2b)b=4671b-2b^2$  weters ( $area=a\times b=(l-2b)b=4671$  weters ,  $area=a\times b=(l-2b)b=4671$  weters  $area=a\times b=(l-2b)b=4671$ 

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

 $a+b+b=4671 \implies a=4671-2b$ 

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