area=a×b=(l-2b)b= 3350 b - 2 b² Notice the Parabolic equation, compute the vertex: vertex= $(\frac{1675}{2}$ m , $\frac{2805}{625}\frac{625}{625}$ m²)

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

 $a+b+b=3350 \implies a=3350-2b$ Now compute the area:

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