area=a×b=(l-2b)b= 2418 b - 2 b² Notice the Parabolic function, compute the vertex: vertex= ($\frac{1209}{2}$ meters , $\frac{1461681}{2}$ meters²)

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

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

 $a+b+b=2418 \implies a=2418-2b$ Now compute the area: