```
area=a×b=(l-2b)b= 3611b-2b<sup>2</sup>
Notice the Parabolic formula, compute the vertex:
vertex=(\frac{3611}{4} yd , \frac{13 039 321}{8} yd^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:

 $a+b+b=3611 \implies a=3611-2b$ Now compute the area: