other edge of rectangle. Area of the rectangle is = kimesa. Use perimeter equation and solve for $a = \frac{132-2k}{2}$

Then reformulate the area $K = k \times a = 66 k - k^2$ which turns out to be

2. Perimeter of rectangle = 2(k+a)=132 where a is the length of the

a quadratic Parabola: 1000 800 600 400

200 60 10 20 30

Compute the vertex $rac{132}{4}$ and then plug the vertex into the area which will compute the maximum area.