

The jigsaw border piece formula

Let the aspect ratio be k , the number of pieces n , where n is large, and the number of border pieces b . Suppose there are a pieces down the side, and therefore ka along the bottom. We

have $n = ka^2$, $b \approx 2(k + 1)a$. Substituting for a , $b \approx 2(k + 1)\sqrt{\frac{n}{k}}$.

With $k = \frac{10}{7}$, $n = 2000$, $b \approx 180$.