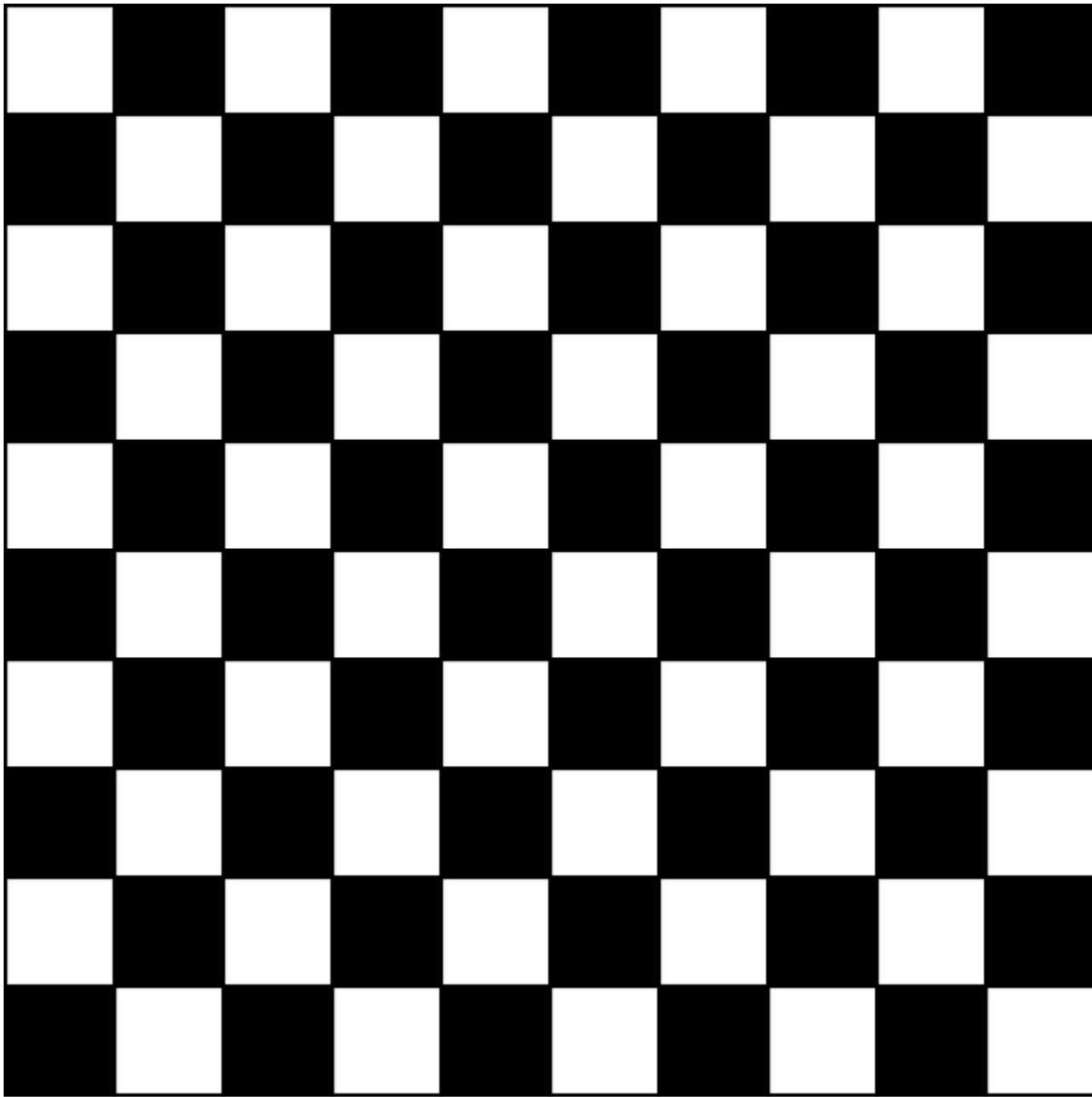


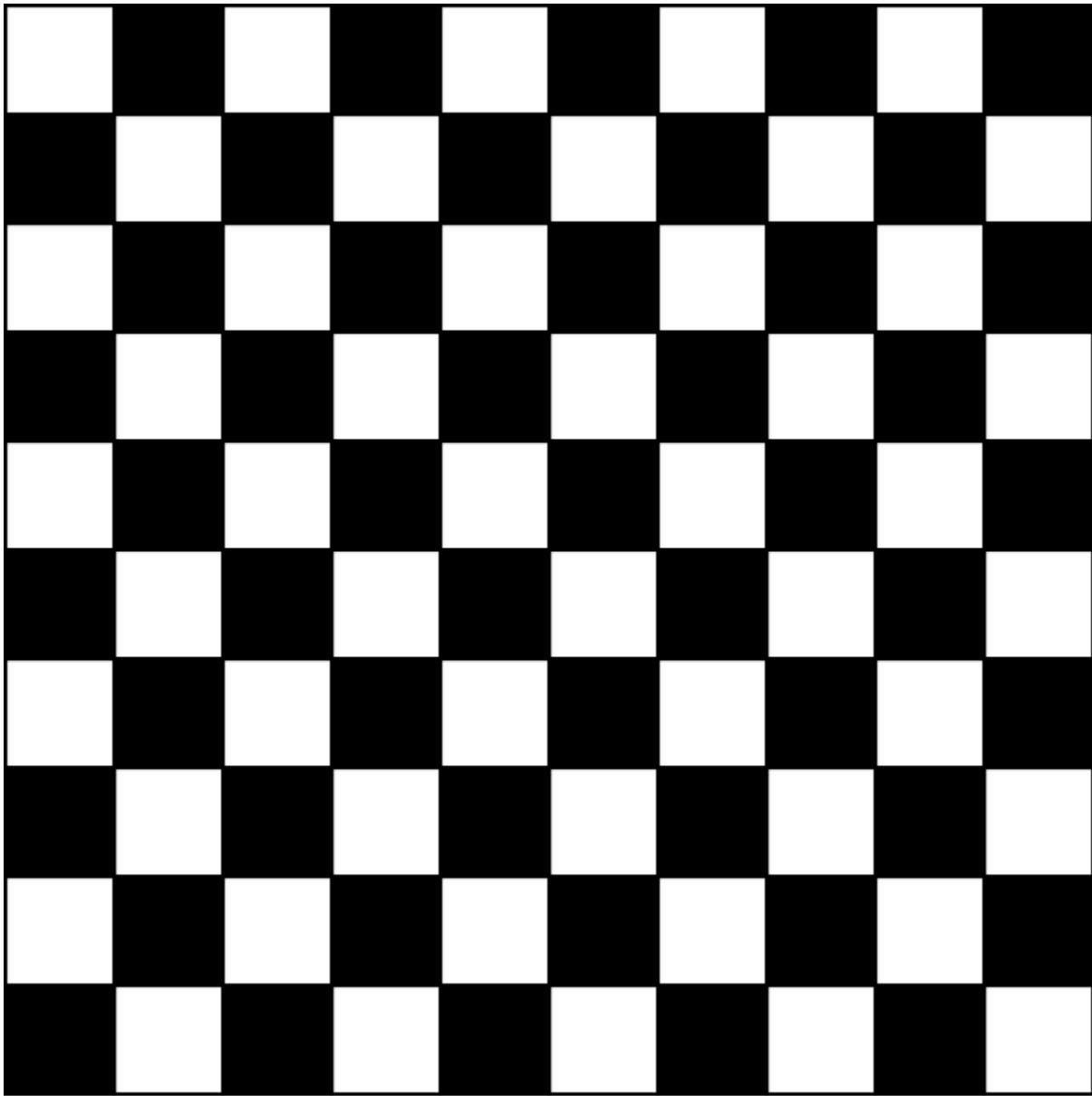
## 100<sup>th</sup> Day of School #2



The checkerboard pattern above is made of 100 black and white tiles. How many squares can you find in the pattern? Explain your thinking. (Hint: Can you make a larger square from the smaller squares?)

**100<sup>th</sup> Day of School #2**

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The checkerboard pattern above is made of 100 black and white tiles. How many squares can you find in the pattern? Explain your thinking. (Hint: Can you make a larger square from the smaller squares?)

In each row there are

10 1x1 squares

9 2x2 squares

8 3x3 squares

and so on.

There are  $10^2 + 9^2 + 8^2 + 7^2 + 6^2 + 5^2 + 4^2 + 3^2 + 2^2 + 1$  squares altogether, or 385 squares.