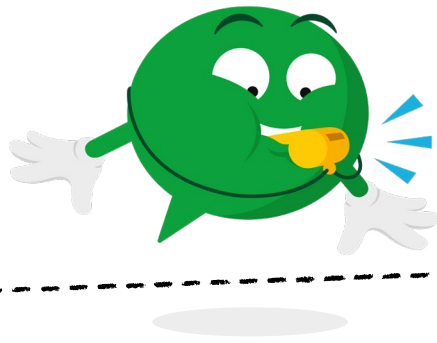
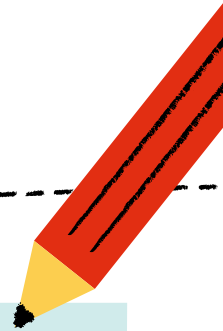


Buddy's fibonacci challenge



Number Day



Story

Fibonacci was an Italian mathematician considered the best Western mathematician of the Middle Ages.

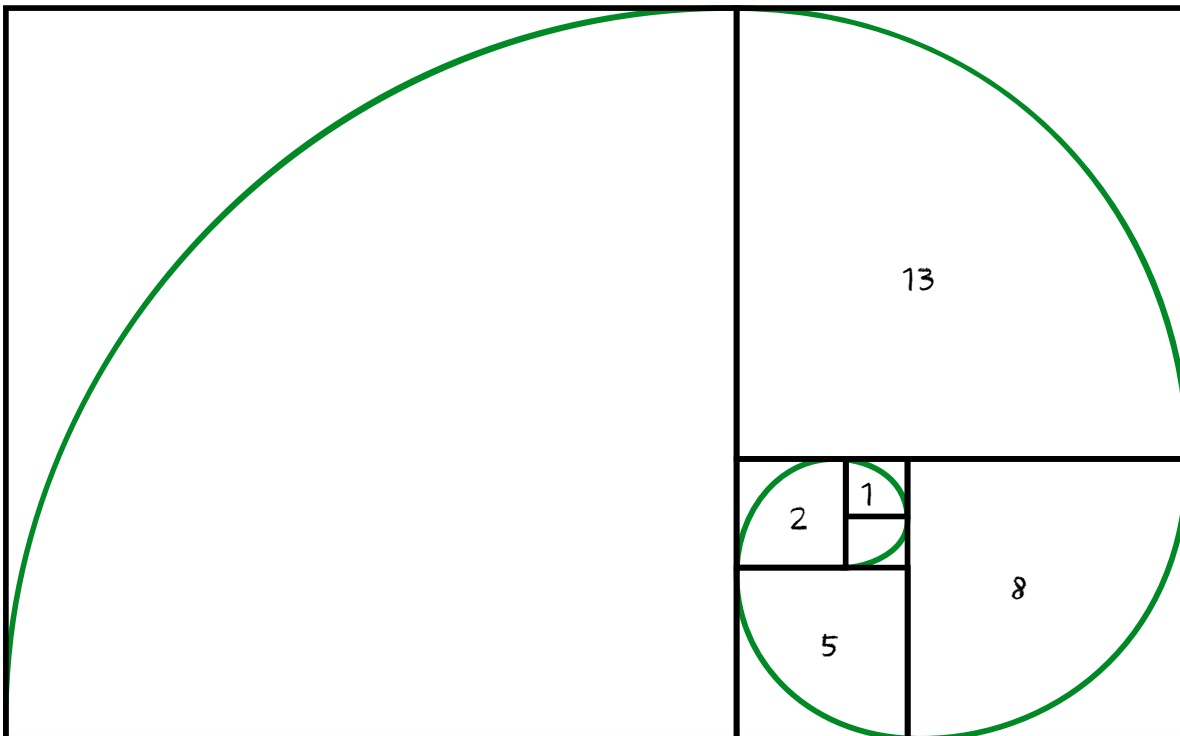
He is well known for the Fibonacci Series, a series of numbers where you add the previous two numbers to get the next number.

1. **1, 1, 2, 3, 5, 8, 13,**
What are the next 5 numbers?
2. **How long can you keep the sequence going?**

Fibonacci's Spiral takes these numbers as squares and the curve along the diagonals of the squares form the spiral. The spiral gets wider by a factor for every quarter turn it makes.

We see this spiral often in nature as well as the numbers of the Fibonacci Sequence.

3. **Can you think of something in nature that forms a spiral?**



Answers

1. 21, 34, 55, 89, 144
2. A few examples - A snail, seedheads on sunflowers, pinecone, plant leave, flower heads, shells, pineapple