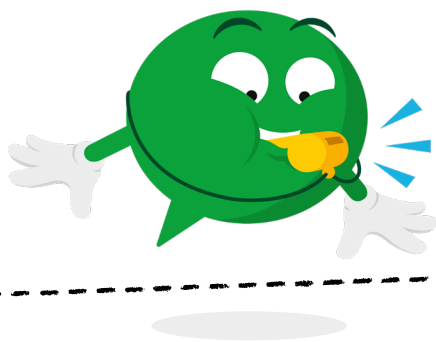


Buddy's fibonacci challenge



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.

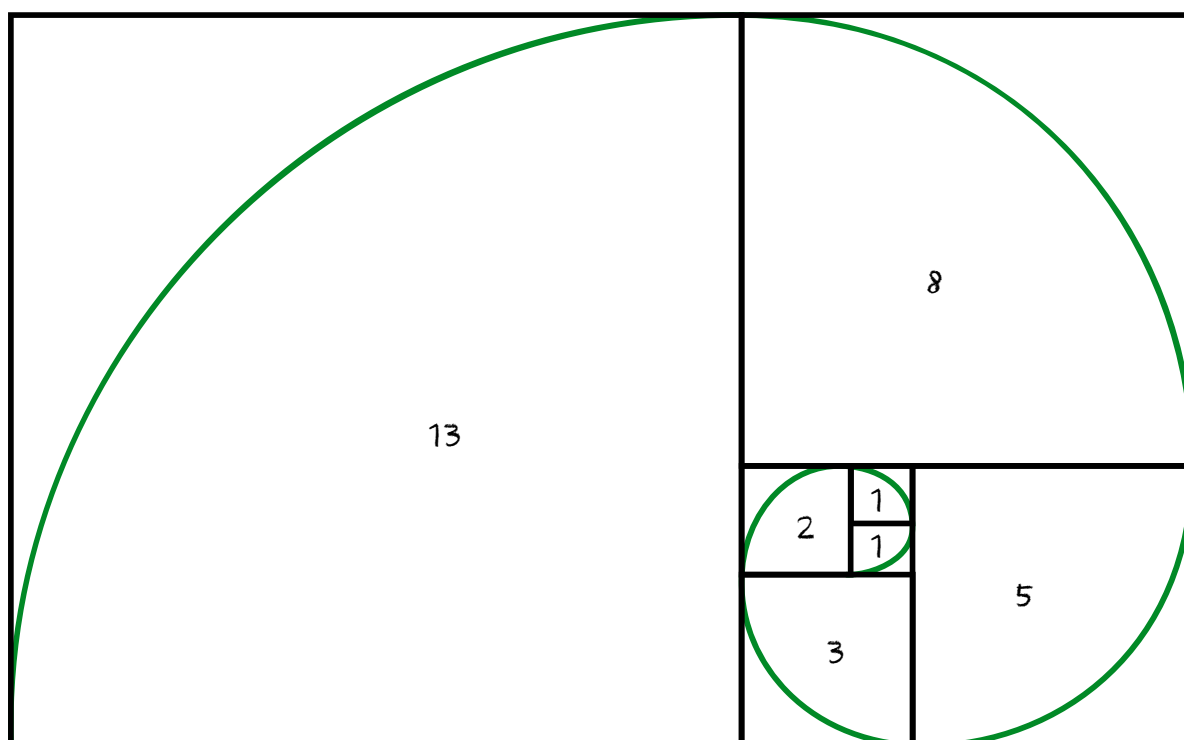
Fibonacci's Spiral takes these numbers as squares and the curve along the diagonals of the squares form the spiral. The spiral gets wider by a factor for every quarter turn it makes.

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

1. **1, 1, 2, 3, 5, 8, 13,**
What are the next 5 numbers?

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

2. **How long can you keep the sequence going?**



Answers

1. 21, 34, 55, 89, 144

2. A few examples - A snail, seedheads on sunflowers, pinecone, plant leave, flower heads, shells, pineapple

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