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Fibonacci Numbers

Start with 0 and 1.
 $0 + 1 = 1$

Add **last 2** numbers.
 $1 + 1 = 2$

And again...
 $1 + 2 = 3$

Keep going!
 $2 + 3 = 5$

$$21 + 13 = 34$$

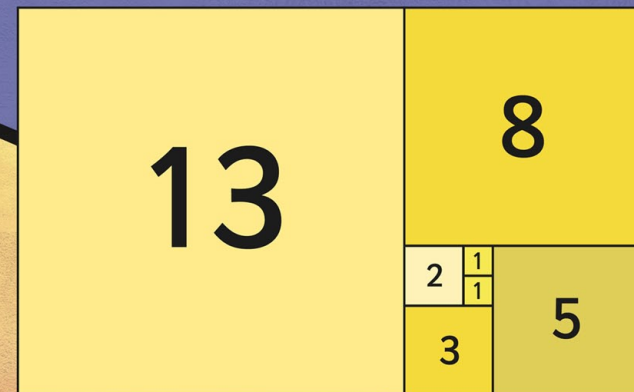
$$8 + 13 = 21$$

$$5 + 8 = 13$$

How far can you go?
 $3 + 5 = 8$

0, 1, 1, 2, 3, 5, 8, 13, 21, 34

.....
This is the Fibonacci series. It can also be shown as a pattern of joining squares:



Challenge:

What happens when you add three consecutive numbers from the sequence instead of two?
Draw the pattern on squared paper.