



STEAM PATTERNS



Fact:

- The spiral patterns of pinecones, pineapples, snail shells, and sunflower seeds are all examples of Fibonacci sequence.

The Fibonacci sequence is the sequence of numbers, 1, 1, 2, 3, 5, 8, 13,...

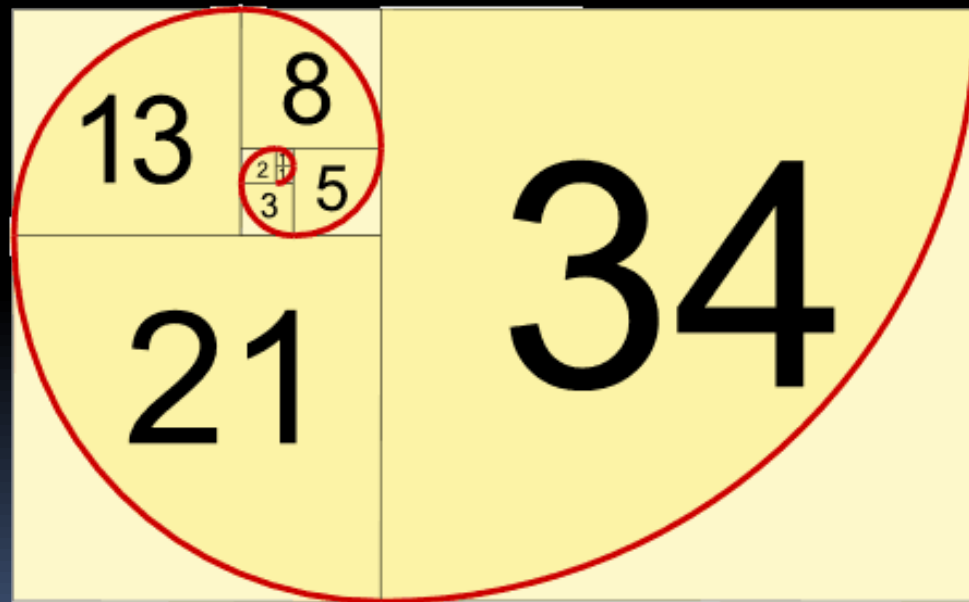
This is where each number is the sum of the two previous terms. They are found in many natural forms.



<https://www.youtube.com/watch?v=PotLbl5LrJ8>



Check out the sequence



Directions:

- Calculate the next 8 numbers in the Fibonacci sequence.

1, 1, 2, 3, 5, 8, 13, _____, _____, _____, _____, _____, _____, _____, _____.

- Research the founder of the Fibonacci sequence and write a small biography about him.
- Research what items in nature have the same pattern. (*Hint: use for art*)



STEAM

Science: What items in nature have the Fibonacci sequence

Technology: Look up facts on a computer about the founder and writing a biography

Engineer: Engineering a poster



Art: Creating an artistic poster on patterns

Math: Using math to figure out the patterns