

Name: _____ Date: _____

Fibonacci Sequence

The Fibonacci sequence is a famous set of numbers that form the following pattern: 1, 1, 2, 3, 5, 8, 13, 21... (and so on, infinitely). A sequence is a set of numbers that form a pattern.

1.) Can you figure out the pattern in Fibonacci's Sequence? How would you figure out the next number?

The Fibonacci sequence is sometimes called the "pinecone numbers." If you count the spirals on the bottom of a pinecone, you'll find that it always has a Fibonacci number of spirals. If you use a marker or paint to color each piece in the spiral, the spirals will be easier to see. The Fibonacci numbers appear in the spirals of sunflowers, artichokes, and pineapples, as well!



2.) Write the numbers that come next in Fibonacci's sequence.

1, 1, 2, 3, 5, 8, 13, 21, _____

3.) Go on a nature hunt. Can you find other things in nature that come in sets of the Fibonacci sequence numbers?

- 1—
- 2—
- 3—poison ivy leaves
- 5—
- 8—
- 13—