

Name: \_\_\_\_\_

## The Fibonacci Sequence

**Directions:** Decipher and complete the number patterns.

The Fibonacci Sequence is this series of numbers:

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

Starting with 0, 1, 1, the next number is found by adding the first two...

$1 + 1 = 2$ ,  $1 + 2 = 3$ ,  $2 + 3 = 5$ ,  $3 + 5 = 8$ , etc.

**Can you tell what number comes after 34? \_\_\_\_\_ Next? \_\_\_\_\_**

Something really interesting about Fibonacci Numbers...

When you draw squares with the widths of the Fibonacci Numbers, it will create a spiral as you draw from opposite corner to opposite corner. Here's one for numbers up to 13.



Now, draw a spiral for Fibonacci Numbers up to 34!

