

# The Fibonacci Sequence

If you are a mathematician, here is the message:  $F(n) = F(n-1) + F(n-2)$ . I am not a mathematician. I prefer to keep the alphabet separate from numbers. If you are like me, then the following explanation may be more interesting to you. We will start with the numbers 0 and 1. If we add these two numbers together, our equation will look like this:  $0+1=1$ . The last two numbers in our equation are 1 and 1. The next step is to add these two numbers together.  $1+1=2$  Now we want to focus on the last two numbers in this new equation. The last two numbers in this new equation are 1 and 2. The next step is to add these two numbers together.  $1+2=3$  As you can see, we have developed a simple pattern. We started with 0 and 1. We wrote an equation which added the two numbers together, then we identified the last two numbers in our equation and wrote a new equation using those two numbers. Then we repeated the process. This formula works the same for negative numbers as well, but we will not be using negative numbers here. If we continued to follow this pattern, we would obtain a series of numbers. Those numbers are: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597 and so on. Add any two consecutive numbers in the series together and the result will be the next higher number. This sequence of numbers is known as Fibonacci's sequence and is named for its discoverer, Leonardi Fibonacci. The numbers in the Fibonacci sequence also form a spiral known as the "golden spiral". Here is a diagram to illustrate the principal.

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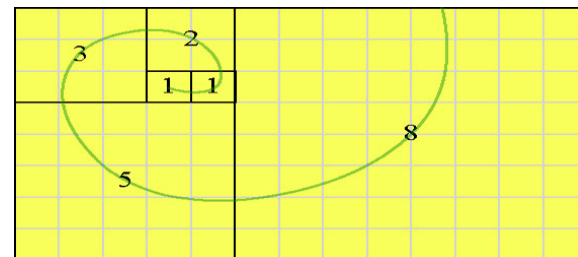
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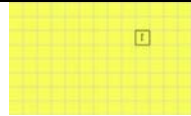


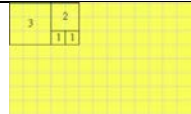

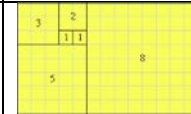


## The Signature of God

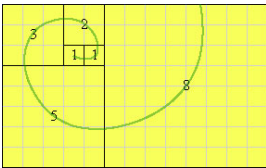


**This informational pamphlet gives the reader basic information about the Fibonacci sequence which is sometimes called the signature of God.**



We will start with a single 1x1 square labeled one (the first representable number in Fibonacci's sequence).	The next number in the sequence is also a 1, so we will add another 1x1 square next to our first square.	The next number in the sequence is 2, so we will add a 2x2 square where it fits alongside our first 2 squares.
		
The next number in the sequence is 3, so we will add a 3x3 square where it fits alongside our first 3 squares.	The next number in the sequence is 5, so we will add a 5x5 square where it fits alongside our first 4 squares.	The next number in the sequence is 8, so we will add an 8x8 square where it fits alongside our first 5 squares.
		

We will stop there. Do you see the spiral?



That "golden spiral" is sometimes called God's finger print because it is found throughout creation. Every living thing contains the golden spiral at the molecular level in the form of DNA. The golden spiral is also found at the galactic level as galaxies form a spiral shape also.

There are spirals in a daisy blossom. Sunflower florets make perfect spirals of 55, 34 and 21 which are all numbers contained within the Fibonacci sequence.



When a plant germinates, it spirals out of its seed. Plant leaves often unfold in a spiral shape as they grow. Leaves are often

connected to the main stem of a plant in a spiraling pattern from the bottom of the stem to the top, leaving no two leaves exactly opposite each other. Many flower petals spiral out from the center. Many tree leaves also spiral out from the center of the stem. Pine needles spiral outward from the stem when viewed from the end. However, these spirals are not limited to plants.



The garden snail displays its spiral very clearly. Each breed of chicken has layers of feathers that form an outwardly spreading spiral or whirl shape starting at the head and getting progressively larger as it spirals towards the tail. This is more obvious on some breeds than others. The golden spiral is often visible on animals as a whirl in their fur. The spiral is evident on cows and horses near the center of their forehead. One might think that this is just a fluke, and perhaps nature needs to have a whirl on the forehead of each animal because of the way fur lays. This is not the case. Many animals do not have a whirl in their fur on their

forehead. Many dogs do not have a whirl on their forehead but do have one on their throat. The spiral may be located on the top of the head as seen in this image of a goat.



We have seen this spiral in plants and animals, but what about us humans? Yes we display this spiral also. God signs us while we are yet in the womb. We curl up into a fetal position which is a spiral shape showing that we are God's creation before we are born. That is only the beginning. We are signed on the top of our head in our hair pattern. We also find the spiral in our outer and our inner ear. Perhaps this is a clue to listen to the word of God. This golden spiral, or finger print of God, or signature of God or whatever we choose to call it exists everywhere. Perhaps, God has used this method to sign His work, His creation, us. God has signed you and me, and all creation. I saw God's signature on the head of a child with a summer bur hair cut two rows in front of me in church yesterday. I am certain that God sees his mark on us every time we bow our head to pray. Take a walk outside and see how many spirals you can find. Take some pictures and share them with other readers on the Godmadeus.com facebook page at <https://www.facebook.com/godmadeusall>.