

Fibonacci numbers

We have been studying the Fibonacci numbers, named for Leonardo Fibonacci, who wrote about them around 1200 AD, but was better known during his time as a champion of the Hindu-Arabic numeral system.

Find a plant exhibiting the Fibonacci numbers: 1,1,2,3,5,8,13,21, ... You may find one at the grocery store, in your yard, or elsewhere. Find the particular Fibonacci numbers present in the plant. Draw a picture of the plant, showing how the Fibonacci numbers occur. Show this plant or object to someone NOT in the class, and explain the Fibonacci numbers to them. Describe their reaction. Also describe where and when you found the plant. You should use both pictures and words in carrying out this assignment.