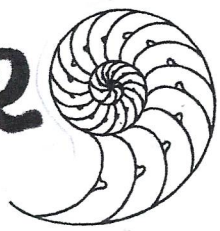
ART KIT #29

Mathematics & Fibonacci



prepared by ARTBCAUSE.com
inspired by WFWP.org
"Cherish one another" ♥
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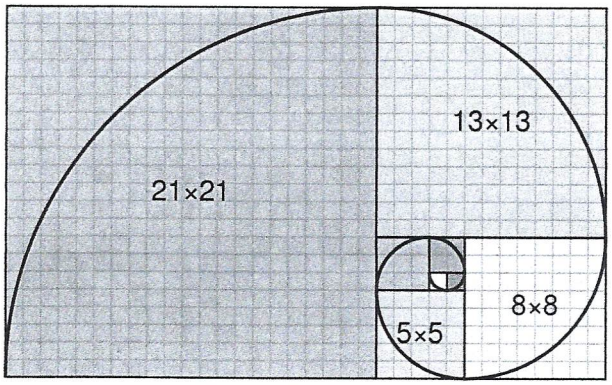
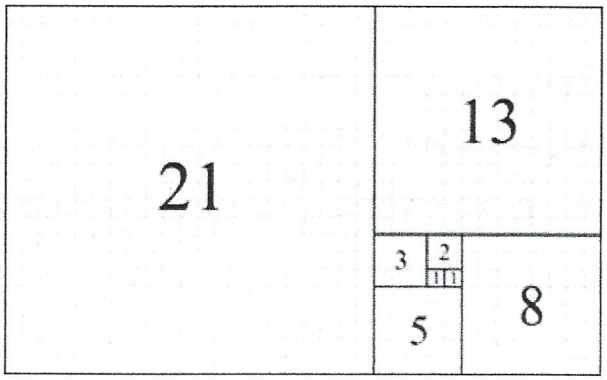
Art kits for the community
A LOT OF CHANCE

Nature is full of mathematical shapes and patterns that are beautiful and elegantly simple. An Italian mathematician named Fibonacci first introduced this sequence to the Western world in 1202*; it appears in most flowers (their petals), pine cones and pineapples, artichokes, sea shells, animal tusks and horns, starfish and even the spirals of the GALAXIES! This sequence is a series of numbers in which each number is the sum of the 2 previous numbers: 0+1=1; 1+1=2; 1+2=3; 2+3=5; 3+5=8; 5+8=13; 8+13=21 and so on to ∞.





When you draw this Count the Squares!

• Use the graph paper to copy the Fibonacci sequence shown above with and without the spiral. This is also called the Golden Ratio. It can be found in music, art, science, economics.... Look for it in Nature.

MAKE SURE TO COUNT THE SQUARES! □□□...

*the sequence was described as early as 200 BC in a work by a mathematician from India.

"Mathematics is the language in which God has written the universe."
Galileo Galilei (1564-1642)
Italian astronomer, physicist, engineer, often called the father of modern science