MathFLIX CHALLENGE Golden Ratio: Illustrated

The Golden Ratio is a special number found in many places in geometry, nature, art and architecture. It is an irrational number that is approximately 0.618 or 1.618. In a **Golden Rectangle** the ratio of the length to the width is called the **Golden Ratio** and is always either 0.618 or 1.618 depending upon the placement of the measurements in the numerator and denominator.

Use this chart to calculate which of the following rectangles are golden rectangles. Color the golden rectangles.

Rectangle	Length	Width	Ratio: <u>Length</u>	Ratio: Width
Α	21 mm	34 mm	Width $\underline{21} = 0.618$ 34	Length $34 = 1.618$
В	55 mm	34 mm		
С	34 mm	34 mm		
D	30 mm	60 mm		
Ε	50 mm	5 mm		
F	89 mm	55 mm		
A.		В.	C.	D.
	E.			
F.				
			The Fibo directly rel golden rec paper, build by using number	nacci number sequence is lated to the golden ratio and ctangles. On the back of this d your own golden rectangles two consecutive Fibonacci rs for the length and width mesaruements.