

Fibonacci's sequence

What is the Fibonacci sequence? How do you get the next number from the previous two?

What is the 10th Fibonacci number?

				1					
				1		1			
			1		2		1		
		1		3		3		1	
	1		4		6		4		1
1		5		10		10		5	1
1	6		15		20		15	6	1

Find and circle the straight-line sequence 3, 4, 1 in Pascal's triangle.

What can you say about the sum?

What can you say about the *strange diagonal* that 3, 4 and 1 are on?

Which strange diagonal gives you the Fibonacci number 13?

Why do these strange diagonals give you Fibonacci numbers?
