

Fibonacci Sequence 2

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All multiples of 4 in the first 50 Fibonacci numbers: [0, 8, 144, 2584, 46368, 832040, 14930352, 267914296, 4807526976]

To figure out which Fibonacci numbers are even is the same as figuring out which Fibonacci numbers are multiples of 2. Once I plugged that in, I found that 3334 of the first 10,000 Fibonacci numbers are even. This means that roughly $\frac{1}{3}$, or 33 percent, of the first 10,000 Fibonacci numbers are even.

Conjecture: The percentage of Fibonacci numbers that are a multiple of m is $\frac{1}{m+1}$