


### **Happy 76th Birthday, Jane Fonda!**

(Aziz S. Inan, Ph.D., Professor, Electrical Engineering, University of Portland, Portland, Oregon)  
(December 19, 2013)

*December 21, 2013 (12-21-2013)*

	<i>7<sup>th</sup> and 6<sup>th</sup> primes: 17 &amp; 13; 17+13=J+a+n+e</i>
	<i>76=2x38; 2+38=F+o+n+d+a</i>
	<i>30x40=1200; 1200+0021=1221!</i>

*Happy 76<sup>th</sup> Birthday, Jane Fonda!*

Jane Fonda (born Lady Jane Seymour Fonda; December 21, 1937, expressed as 12-21-1937, or simply, 12211937) is an American actress, writer, political activist, former fashion model, and fitness guru [1]. This Saturday, December 21, 2013 (12-21-2013, or 12212013) marks Fonda's 76th birthday. As I was looking at Fonda's name and birthday, I stumbled onto a few interesting numerical connections and decided to turn them into a brainteaser birthday gift for her:

1. Numerical connection between "Jane Fonda" and her birthday: If numbers are assigned to the letters of the English alphabet in alphabetical order (A being 1, B = 2, C = 3, etc.), the numbers assigned to the letters of names "Jane" and "Fonda" each add up to 30 and 40, respectively. The product of 30 and 40 yields 1200, and 1200 plus its reverse (0021) results in 1221, Fonda's birth date, December 21. Wow!
2. Numerical connection between "Jane Fonda" and her new age: If Fonda's new age 76 is split as 7 and 6, the 7th and 6th prime numbers (17 and 13) add up to 30, which equals the sum of the numbers assigned to the letters of "Jane". In addition, 76 equals 2 times 38, where 2 plus 38 is 40, which is the sum of the numbers assigned to the letters of "Fonda". So, Fonda's new age, 76, is a very special one indeed!
3. Numerical connection between Fonda's birthday and her new age: Fonda was born on the 355th day of 1937 and her 76th birthday coincides with the 355th day of 2013. Interestingly enough, 355 equals 5 times 71, where these two primes add up to Fonda's new age, 76. Amazing! Also, the sum of the digits of 355 equals the sum of the digits of 76, each yielding 13. Note that 13 equal the rightmost two digits of 2013. In addition, the digits of 12211937 (Fonda's birth date) add up to twice 13. Also, the sum of the squares of digits of 76 (6 and 7) equals 85, where 8 plus 5 is 13. In addition, 85 equals 5 times 17, where 5 times reverse of 17, which is 71, equals 355, and 5 plus 71 is 76. This is like "magic", isn't it?

Happy 76th birthday, Jane Fonda!

[1] Jane Fonda, Wikipedia  
[http://en.wikipedia.org/wiki/Jane\\_Fonda](http://en.wikipedia.org/wiki/Jane_Fonda)