A Numerical Birthday Gift for Steven Spielberg
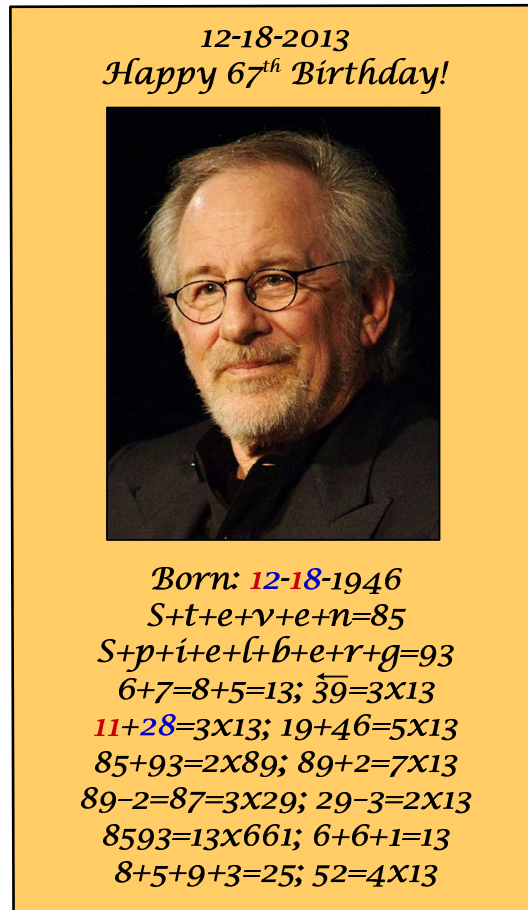(Aziz S. Inan, Ph.D., Professor, Electrical Engineering, University of Portland, Portland, Oregon)
(December 16, 2013; updated on December 18, 2013)

12-18-2013
Happy 67th Birthday!

Born: 12-18-1946
S+t+e+v+e+n=85
S+p+i+e+l+b+e+r+g=93
6+7=8+5=13; 39=3x13
11+28=3x13; 19+46=5x13
85+93=2x89; 89+2=7x13
89−2=87=3x29; 29−3=2x13
8593=13x661; 6+6+1=13
8+5+9+3=25; 52=4x13

Steven Allan Spielberg (born December 18, 1946, expressed as 12-18-1946, or simply, 12181946) is an American film director, screenwriter, producer, and business magnate [1]. I enjoyed watching some of his famous movies including Jaws, E.T. the Extra-Terrestrial, Jurassic Park, Schindler's List, and recently, Lincoln. This Wednesday, December 18, 2013 (12-18-2013, or 12182013) marks Spielberg's 67th birthday and on this occasion, I constructed this short numerical birthday gift for him:

1. If Spielberg's new age 67 is split as 6 and 7, these two digits add up to 13, which coincides with the rightmost two digits of 2013.
2. 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 "Steven" and "Spielberg" each add up to 85 and 93, respectively. Note that the digits of 85 also add up to 13. Also, the reverse of 93, which is 39, is three times 13. Also, the reverse of 85, which is 58, equals 2 x 29, where 2 and 29 add up to 31, the reverse of which is 13. Also, if 85 and 93 are put side-by-side as 8593, this number equals 13 x 661, where the digits of 661 also add up to 13. Also, the digits of 8593 add up to 25, where the reverse of 25, which is 52, equals four times 13. In addition, 85 plus 93 equals 178, which equals 2 x 89, where 2 plus 89 yields 91, which equals seven times 13, and 89 minus 2 is 87, which equals three times 29, where 29 minus 3 equals 26, which is twice 13.

3. The sum of the squares of the digits of 67 yields 85, which corresponds to the sum of the numbers assigned to Spielberg's name, "Steven." In addition, 67 plus its reverse (76) add up to 143, which equal eleven times 13. Also, 67 is the 19th prime number, where reverse of 19 is 91, which equals seven times 13.

4. If Spielberg's birth year 1946 is split as 19 and 46, these two numbers add up to 65, which equal five times 13. In addition, 1218 (Spielberg's birth date, December 18th) equals 29 times 42, where 42 minus 29 equal 13. Also, note that 11 and 28 intertwined results in 1218, where 11 plus 28 is 39, which equals three times 13. Also, 39 equals reverse of 93, which equal the sum of the numbers assigned to the letters of "Spielberg." Also, the sum of the squares of 12 and 18 (which make up 1218) equals 36 times 13.

5. The full date of Spielberg's 67th birthday is 12182013. The reverse of 12182013 is 31028121, and this number can be expressed in terms of its prime factors as 3 x 3 x 19 x 421 x 431. The sum of the reverses of these four prime factors yield 3 + 91 + 124 + 134 = 352. Interestingly enough, the 352nd day of a non-leap year (e.g., 1946 and 2013) coincides with Spielberg's birth date, December 18! Wow!

6. Finally, 352 equal 2^5 x 11, where prime factors 2 and 11 also add up to 13.

Happy 67th birthday, Steven Spielberg!

[1] Steven Spielberg, Wikipedia
http://en.wikipedia.org/wiki/Steven_Spielberg