A 50th "Prime" Birthday Gift for President Barack Obama!

Aziz S. Inan, Ph.D., Professor, Electrical Engineering, University of Portland, Portland, Oregon
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This year August 4th marks US President Barack Obama's 50th birthday since he was born on August 4, 1961 (8-04-1961 or 8-4-1961). Because of this special occasion, I dived into the world of numbers related to his birthday and unveiled the following hidden numerical coincidences and oddities. I was so fascinated with my findings that I decided to offer them as a "prime" birthday gift for our Nation's President to celebrate his 50th birthday. Before you read through the contents of my gift, I suggest you have a basic calculator available and also use some of your imagination.

1. Someone to have their 50th birthday coincide with year 2011 is perfect timing because although number 2011 is a prime number, its reverse 1102 equals 2 x 19 x 29 and guess what, these three prime numbers add up to 50!

2. President Obama was born in 1961 which equals 37 x 53 where 53 − 37 = 16 (reverse of 61). First, split 1961 in the middle into 19 and 61. Then, subtract 19 from 61 yielding 42. Then, reverse 42 and subtract it again from 61 yielding 61 − 24 = 37. So, starting with 1961 (which is Obama's birth year), we obtained three numbers which are 61, 42 and 37. Now, go to the list of prime numbers and pick up the 37th, 42nd and 61st prime numbers which are 157, 181, and 283. Go ahead and multiply these three prime numbers. Please, I would like you to do this. What comes out? Isn't this fascinating? Mind blowing?

3. Let us take these three special prime numbers (157, 181 and 283) and add them up yielding 621 which equals 27 x 23 where 27 + 23 = 50, corresponding to President Obama's 50th birthday!

4. Now, let us go back to 1961 and subtract from it its reverse as 1961 − 1691 = 270. Then, go to the prime numbers list and pick up the 270th prime number which is 1733. Next, multiply 1733 with 61 and its reverse 16, that is, 16 x 61 x 1733. What do you get? Look more carefully to the number you obtained. Isn't this amazing? Magical? By the way, if one splits 1733 in the middle as 17 and 33, 17 + 33 = 50!

5. Split President Obama's 50th birthday date 8042011 as 804 and 2011 and add their reverses yielding 408 + 1102 = 1510 = 151 x 10 where 151 − 10 = 141 = 3 x 47 where 3 + 47 = 50! (This is a bit of a stretch but still fun!)

6. Take President Obama's birthday 8041961 and first split it as 8041 and 961. The sum of these two numbers equals 9002, which is reverse of 2009, the year Barack Obama became the US President! Now, if you split 8041961 as 8, 04, 19, and 61, 8 + 4 + 19 + 61 = 92 = 2 x 46 where 46 − 2 = 44 representing the 44th US Presidency! Also, 8 + 4 + 19 + 16 (which is reverse of 61) = 47, the age at which Obama became the US President! Amazingly so numbers 2009, 44 and 47 that mark the beginning of Barack Obama's US presidency are secretly coded in his birth date!

7. President Obama's 50th birthday date 8042011 has another fascinating connection with his birth year 1961. Reverse of his 50th birthday date 8042011 is 1102408 which equal 3361 x 328 where 3361 is a prime number. If the reverse of prime number 3361 and 328 are added up, guess what number comes out, 1961! Unbelievable!

8. There is another interesting connection between President Obama's birthday and year 2011. If you take his full birthday expressed as 841961 and reverse it as 169148 and break this number into 16, 91, and 48, these three numbers add up to 155 and twice the reverse of 155 (which is 551) equals 1102 which is reverse of 2011, this year! Interesting connection between President Obama's birthday and year 2011!

Note that a slightly different version of this article titled, "Happy Birthday Mr. President, here are your numbers," got published in *Portland Tribune* newspaper, August 3, 2011, available at: http://thevig.portlandtribune.com/news/print_story.php?story_id=131234701484234300