

2013 Top Ten Birthday Brainteasers for David Letterman

(Aziz S. Inan, Ph.D., Electrical Engineering, University of Portland, Portland, Oregon)
(April 12, 2013)

American late night television talk show host David Letterman (born April 12, 1947) turns 66 today, Friday, April 12, 2013 [1]. The following are the top ten numerical birthday brainteasers that I constructed for him as a birthday gift for his 66th birthday:



1. If Letterman's birth year 1947 is split in the middle as 19 and 47, these two numbers add up to his new age, 66.
2. If 2013 is split in the middle as 20 and 13, twice the sum of these two numbers also yields 66!
3. If 2013 is split as 20 and 13, three times the sum of these two numbers result in 99, where 99 rotated around its axis by 180 degrees turn into 66!
4. The difference of 2013 and its reverse 3102 is 1089 which equals 33×33 where 33 plus 33 also yields 66!
5. The sum of 2013 and its reverse (3102) equal 5115, where if 5115 is split in the middle as 51 and 15, these two numbers also add up to 66! Amazing!
6. One-half of the reverse of 2013 is 1551 and if 1551 is split in the middle as 15 and 51, these two numbers also add up to 66! Unbelievable!
7. The reverse of 2013 is 3102 which equals 66 times 47, where 66 minus 47 is 19 and 19 and 47 put together side-by-side yields Letterman's birth year, 1947! Wow!
8. Letterman's birth date April 12 is the 102nd day of 2013. Interestingly enough, 102 also corresponds to the rightmost three digits of the reverse of 2013 (that is, 3102).
9. If numbers 1 to 26 are assigned to the letters of the English alphabet as A = 1, B = 2, etc., the numbers assigned to the letters of Letterman's middle name "Michael" add up to 51. Note that twice 51 yields 102 where 102nd day of 2013 is Letterman's birth date, April 12!
10. If numbers 1 to 365 are assigned to the 365 days of 2013 in backward order (that is, December 31st is assigned 1, December 30th is 2, December 29th is 3, etc.), then, Letterman's 66th birthday April 12 is assigned 264 where one-fourth of 264 also yields 66! Fascinating!

Happy 66th birthday, David Letterman!

[1] A. S. Inan, "Top Ten Birthday Brainteasers for David Letterman," April 12, 2012.
<http://faculty.up.edu/ainan/TopTenBirthdayBrainteasersDavidLetterman2012.pdf>

Aziz S. Inan is a professor of electrical engineering teaching at University of Portland for 24 years. As a hobby, he enjoys finding interesting numerical properties associated with numbers, connections and coincidences between numbers, calendar dates, birthdays, historical dates, etc. He can be reached at 503-943-7429 or ainan@up.edu. (Note that the purpose of this article is solely recreational and for fun.)