

Some Interesting Properties of the Number 2016

by Bishal Deb - Saturday, December 31, 2016

<http://gonitsora.com/some-interesting-properties-of-the-number-2016/>

We look at some interesting properties of the number 2016 . We mention in passing that the year 2016 is a leap year.

1. The number factors as $2016 = 2^5 \times 3^2 \times 7$.
2. From the factorisation a lot of interesting observations can be made. Such as 16 divides 2016 . The previous number where the number formed by its last two digits divide it was 2010 and the next such number would be 2020 .
3. 2016 can be written as $\binom{64}{2}$. Thus, number of ways of choosing two different squares from a chessboard is 2016 .
4. 2016 is also the sixty-third triangular number.
5. 2016 is divisible by all single digit positive integers other than 5 .
6. 2016 in binary base looks like 1111100000 and hence,
 $2016 = 2^5 + 2^6 + 2^7 + 2^8 + 2^9 + 2^{10}$
7. 2016 is one less than a prime number and five more than another prime number.

For more interesting properties visit the [On-Line Encyclopedia of Integer Sequences](#) and search for 2016 to see lots of interesting sequences which contain 2016 .

References :

- <https://gottwurfelt.com/2016/01/01/some-properties-of-2016/>
- <http://www.numberempire.com/2016>
- <http://www.maths.surrey.ac.uk/hosted-sites/R.Knott/Numbers/year2016.html>

PDF generated from <http://gonitsora.com/some-interesting-properties-of-the-number-2016/>.

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.