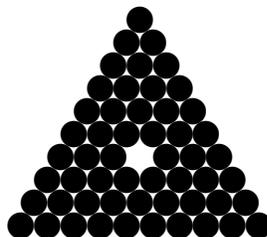


54 Fifty-Four LIV



Corresponding ordinal: fifty-fourth.

The number 54 is the twenty-eighth even number and the thirty-seventh composite number.

As a product of primes: $54 = 2 \cdot 3^3$.

The number 54 has eight divisors: 1, 2, 3, 6, 9, 18, 27, 54.

The number 54 is the tenth abundant number: $s(54) = 1 + 2 + 3 + 6 + 9 + 18 + 27 = 66 > 54$. Note also that 54 is a proper multiple of the perfect number 6, so it must be abundant.

As a sum of four or fewer squares: $54 = 1^2 + 2^2 + 7^2 = 2^2 + 5^2 + 5^2 = 3^2 + 3^2 + 6^2 = 1^2 + 1^2 + 4^2 + 6^2 = 2^2 + 3^2 + 4^2 + 5^2$. It is the smallest number that can be written as the sum of three squares in three different ways.

As a sum of nine or fewer cubes: $54 = 3 \cdot 1^3 + 3 \cdot 2^3 + 3^3 = 2 \cdot 3^3$.

The number 54 appears in three Pythagorean triples: [54, 72, 90], [54, 240, 246], [54, 728, 730]. None of these are primitive because 54 is twice an odd number.

As a sum of two odd primes: $54 = 7 + 47 = 11 + 43 = 13 + 41 = 17 + 37 = 23 + 31$.

The number 54 is the difference of the tenth and first triangular numbers, as you can see in the diagram above.

There are 54 digits in the tenth perfect number $2^{88} (2^{89} - 1)$, namely

191 561 942 608 236 107 294 793 378 084 303 638 130 997 321 548 169 216

The 54th prime, 251, is the smallest number that is the sum of three cubes in two different ways: $1^3 + 5^3 + 5^3$ and $2^3 + 3^3 + 6^3$.

At age 54, Martin Van Buren was inaugurated as President.

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At age 54, Rutherford Birchard Hayes was inaugurated as President.

At age 54, William McKinley was inaugurated as President.

At age 54, Herbert Clark Hoover was inaugurated as President.

At age 54, Irving Berlin composed the song *White Christmas*.

The number 54 is the numerical value of the Hebrew word for "judge".

The 54th word in the King James Version of *Genesis* is "the".

"Fifty-four forty or fight" was a campaign slogan of presidential candidate James K. Polk who wanted to take control of the Oregon Territory up to the latitude line 54° 40'.