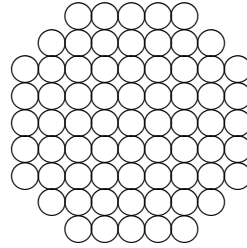


# 69 Sixty-Nine LXIX



Corresponding ordinal: sixty-ninth.

The number 69 is the thirty-fifth even number and the forty-ninth composite number.

As a product of primes:  $69 = 3 \cdot 23$ .

The number 69 has four divisors: 1, 3, 23, 69.

The number 69 is the fifty-fourth deficient number:  $s(69) = 1 + 3 + 23 = 27 < 69$ .

As a sum of four or fewer squares:  $69 = 1^2 + 2^2 + 8^2 = 2^2 + 4^2 + 7^2 = 1^2 + 4^2 + 4^2 + 6^2 = 2^2 + 2^2 + 5^2 + 6^2$ .

As a sum of nine or fewer cubes:  $69 = 5 \cdot 1^3 + 4^3 = 2 \cdot 1^3 + 5 \cdot 2^3 + 3^3$ .

As a difference of two squares:  $69 = 13^2 - 10^2 = 35^2 - 34^2$ .

The number 69 appears in four Pythagorean triples: [69, 92, 115], [69, 260, 269], [69, 792, 795], [69, 2380, 2381]. The second and fourth are primitive.

As a sum of three odd primes:  $69 = 3 + 5 + 61 = 3 + 7 + 59 = 3 + 13 + 53 = 3 + 19 + 47 = 3 + 23 + 43 = 3 + 29 + 37 = 5 + 5 + 59 = 5 + 11 + 53 = 5 + 17 + 47 = 5 + 23 + 41 = 7 + 19 + 43 = 7 + 31 + 31 = 11 + 11 + 47 = 11 + 17 + 41 = 11 + 29 + 29 = 13 + 13 + 43 = 13 + 19 + 37 = 17 + 23 + 29 = 19 + 19 + 31 = 23 + 23 + 23$ .

The sum of the divisors of 69 is equal to its reversal:  $96 = 1 + 3 + 23 + 69$ .

The number  $69^2 = 4761$  and  $69^3 = 328\,509$  together contain each of the digits exactly once.

The number  $100^{69} - 69$  is a prime, and 69 is the smallest number with this property.

The alphabetical value of the letters in 69's Roman numeral LXIX is  $12 + 24 + 9 + 24 = 69$ . (The only other number with this property is 63.) These last four properties are all

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in Tanya Khovanova's online *Number Gossip*.

The symbol for the sign Cancer in the Zodiac looks like 69 rotated by 90°



The numeral 69 looks the same when rotated by 180°.

At age 69, Ronald Reagan was inaugurated as President of the United States. He was the oldest person ever to be elected President.

Sixty-nine is a sex position.