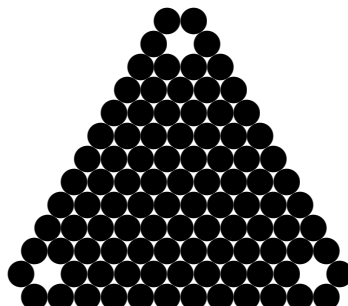


99 Ninety-Nine XCIX



Corresponding ordinal: ninety-ninth.

The number 99 is the fiftieth odd number and the seventy-third composite number.

As a product of primes: $99 = 3^2 \cdot 11$.

The number 99 has six divisors: 1, 3, 9, 11, 33, 99.

The number 99 is the seventy-sixth deficient number: $s(99) = 1 + 3 + 9 + 11 + 33 = 57 < 99$.

As a sum of four or fewer squares: $99 = 1^2 + 7^2 + 7^2 = 3^2 + 3^2 + 9^2 = 5^2 + 5^2 + 7^2 = 1^2 + 1^2 + 4^2 + 9^2 = 1^2 + 3^2 + 5^2 + 8^2 = 3^2 + 4^2 + 5^2 + 7^2$.

As a sum of nine or fewer cubes: $99 = 3 \cdot 1^3 + 4 \cdot 2^3 + 4^3 = 2 \cdot 1^3 + 2 \cdot 2^3 + 3 \cdot 3^3 = 2^3 + 3^3 + 4^3$.

As a difference of two squares: $99 = 10^2 - 1^2 = 18^2 - 15^2 = 50^2 - 49^2$.

The number 99 appears in seven Pythagorean triples:

$$\begin{array}{cccc} [20, 99, 101] & [99, 132, 165] & [99, 168, 195] & [99, 440, 451] \\ [99, 540, 549] & [99, 1632, 1635] & [99, 4900, 4901] & \end{array}$$

The first and last are primitive.

As a sum of three odd primes: $99 = 3 + 7 + 89 = 3 + 13 + 83 = 3 + 17 + 79 = 3 + 23 + 73 = 3 + 29 + 67 = 3 + 37 + 59 = 3 + 43 + 53 = 5 + 5 + 89 = 5 + 11 + 83 = 5 + 23 + 71 = 5 + 41 + 53 = 5 + 47 + 47 = 7 + 13 + 79 = 7 + 19 + 73 = 7 + 31 + 61 = 11 + 17 + 71 = 11 + 29 + 59 = 11 + 41 + 47 = 13 + 13 + 73 = 13 + 19 + 67 = 13 + 43 + 43 = 17 + 23 + 59 = 17 + 29 + 53 = 17 + 41 + 41 = 19 + 19 + 61 = 19 + 37 + 43 = 23 + 23 + 53 = 23 + 29 + 47 = 29 + 29 + 41 = 31 + 31 + 37$.

The number 99 is the largest number that is equal to the product of its digits plus the

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sum of its digits: $9 \cdot 9 + 9 + 9 = 99$. (Number Gossip) The other numbers with equality are 19, 29, 39, 49, 59, 69, 79, and 89.

The number 99 is the sum of the cubes of three consecutive numbers: $2^3 + 3^3 + 4^3$.

Nigeria was ranked the 99th best country in the world by Newsweek magazine in 2010.

Being in the 99th percentile means that you are in the top one percent.

The 99th Monkey is a book by Eliezer Sobel that is self-described as, “A spiritual journalist’s misadventures with gurus, messiahs, sex, psychedelics, and other consciousness-raising experiments.”

The prophet Muhammed (peace be upon him) said, “to God belongs 99 names”.