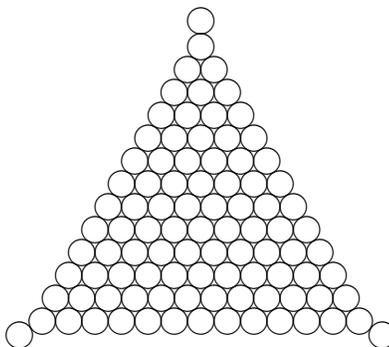# 94 Ninety-Four XCIV

Corresponding ordinal: ninety-fourth.

The number 94 is the forty-eighth even number and the sixty-ninth composite number.

As a product of primes: $94 = 2 \cdot 47$.

The number 94 has four divisors: 1, 2, 47, 94.

The number 94 is the seventy-second deficient number: $s(94) = 1 + 2 + 47 = 50 < 94$.

As a sum of four or fewer squares: $94 = 2^2 + 3^2 + 9^2 = 3^2 + 6^2 + 7^2 = 1^2 + 2^2 + 5^2 + 8^2 = 2^2 + 4^2 + 5^2 + 7^2$.

As a sum of nine or fewer cubes: $94 = 5 \cdot 1^3 + 2^3 + 3 \cdot 3^3 = 3 \cdot 1^3 + 3^3 + 4^3 = 5 \cdot 2^3 + 2 \cdot 3^3$.

The number 94 appears in only one Pythagorean triple, $[94, 2208, 2210]$, which is not primitive because 94 is twice an odd number.

As a sum of two odd primes: $94 = 5 + 89 = 11 + 83 = 23 + 71 = 41 + 53 = 47 + 47$.

The number 94 is the smallest even number greater than 4 that cannot be written as the sum of two numbers, each of which is a twin prime. The next five such numbers are 96, 98, 400, 402, and 404.

The prime factors of 94 add to 49, which is the reversal of 94. The number 94 is the only composite number with distinct prime factors which has this property.

The number 94 is equal to the sum of the composite numbers that are less than 17.

The 94th prime is 491. All the digits of both these numbers are squares. The number 94

is the smallest number with this property. The next one is 1140. The 1140th prime is 9199.

The number $94! - 1$ is prime. It is the largest two-digit number with that property.

Haydn's *Surprise Symphony* is his Symphony number 94.

"Hustle up the Hancock" is a fund-raising event in which the participants climb up 94 floors of the Hancock Tower in Chicago. The best time in the 2010 event was 9 minutes 32 seconds.