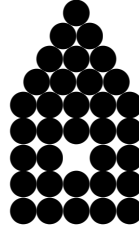


34 Thirty-Four XXXIV



Corresponding ordinal: thirty-fourth.

The number 34 is the eighteenth even number and the twenty-second composite number.

As a product of primes: $34 = 2 \cdot 17$.

The number 34 has four divisors: 1, 2, 17, 34.

The number 34 is the twenty-seventh deficient number: $s(34) = 1 + 2 + 17 = 20 < 34$.

The number 34 is a heptagonal number.

The number 34 is the smallest number that has the same number of divisors as its neighbors.

As a sum of four or fewer squares: $34 = 3^2 + 5^2 = 2 \cdot 3^2 + 4^2 = 2 \cdot 1^2 + 2 \cdot 4^2 = 1^2 + 2 \cdot 2^2 + 5^2$.

As the sum of nine or fewer cubes: $34 = 7 \cdot 1^3 + 3^3 = 2 \cdot 1^3 + 4 \cdot 2^3$.

The number 34 appears in two Pythagorean triples: [16, 30, 34] and [34, 288, 290]. Neither is primitive because 34 is twice an odd number.

As a sum of two odd primes: $34 = 3 + 31 = 5 + 29 = 11 + 23 = 17 + 17$. The number 34 is the smallest number that can be expressed as a sum of two primes in four ways.

In a 4-by-4 normal magic square, the rows, columns, and diagonals add to 34.

7	12	1	14
2	13	8	11
16	3	10	5
9	6	15	4

The thirty-fourth President of the United States was Dwight David Eisenhower.

The thirty-fourth state to enter the Union was Kansas.

2 Chapter 34 Thirty-Four XXXIV

The thirty-fourth largest state in the United States is Oklahoma.

Rule 34 of the internet states that “if it exists, there is porn of it.”