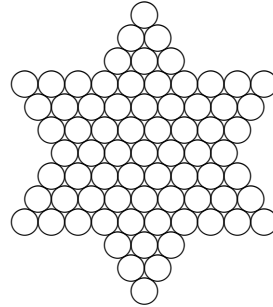


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Analogous ordinal: seventy-third.

The number 73 is the 37th odd number. Note the reversal here.

The number 73 is the twenty-first prime number.

The number 73 is the fifty-sixth deficient number.

The number 73 is in the eighth twin-prime pair 71, 73. This is the last of the twin primes less than 100. No one knows if the list of twin primes ever ends.

As a sum of four or fewer squares: $73 = 3^2 + 8^2 = 1^2 + 6^2 + 6^2 = 1^2 + 2^2 + 2^2 + 8^2 = 2^2 + 2^2 + 4^2 + 7^2 = 4^2 + 4^2 + 4^2 + 5^2$.

As a sum of nine or fewer cubes: $73 = 3 \cdot 1^3 + 2 \cdot 2^3 + 2 \cdot 3^3 = 1^3 + 2^3 + 4^3$.

As a difference of two squares: $73 = 37^2 - 36^2$.

The number 73 appears in two Pythagorean triples: [48, 55, 73] and [73, 2664, 2665]. Both are primitive, of course.

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

The number 73 is the 21st prime number. It's reversal, 37, is the 12th prime number. Notice that if you strip off the six triangular points from the 73-circle hexagram pictured above, you are left with a hexagon of 37 circles.

The number $73 = 64 + 8 + 1$ is the only prime repunit in base 8. (Wikipedia) A *repunit*

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is a number whose digits are all 1's in some base.

The number 73 is the only emirp that is one less than the double of its reversal: $73 = 2 \cdot 37 - 1$. (Prime Curios) True up to 40 digits. A number that is one less than the double of its reversal is of the form $8 \cdot 10^n - 7$, that is, 73, 793, 7993, 79993, . . . Are none of these emirps except 73?

Every number is a sum of 73 sixth powers, and 73 is the smallest number for which this is true.

The number of days in an ordinary year is 365, the product of the two primes 5 and 73.

The number 73 means "best regards" among amateur radio operators.

The alphabetic value of the word "number" is 73.

Barry Bonds hit a record of 73 home runs in the 2001 major league baseball season.