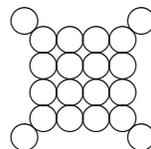


20 Twenty XX

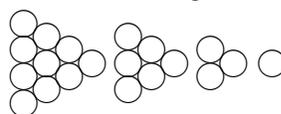


Corresponding ordinal: twentieth.

The number 20 is a tetrahedral number:



It is the sum $1 + 3 + 6 + 10$ of the first four triangular numbers.



The number 20 is the eleventh even number and the eleventh composite number.

As a product of primes: $20 = 2^2 \cdot 5$.

The number 20 has six divisors: 1, 2, 4, 5, 10, 20.

The number 20 is the third abundant number: $s(20) = 1 + 2 + 4 + 5 + 10 = 22 > 20$. The previous two are 12 and 18. Unlike 12 and 18, every proper factor of 20 is a deficient number. For this reason, it is called a *primitive abundant number*.

As the sum of four or fewer squares, $20 = 2^2 + 4^2 = 1^2 + 1^2 + 3^2 + 3^2$.

As the sum of nine or fewer cubes: $20 = 4 \cdot 1^3 + 2 \cdot 2^3$.

As the difference of two squares: $20 = 6^2 - 4^2$.

The number 20 appears in five Pythagorean triples: [12, 16, 20], [15, 20, 25], [20, 21, 29], [20, 48, 52], [20, 99, 101]. The third and the last are primitive.

As a sum of two odd primes: $3 + 17$ and $7 + 13$.

The twentieth President of the United States was James Abram Garfield.

The twentieth state to enter the Union was Mississippi.

The twentieth largest state in the United States is Oklahoma.

The number 20 is the smallest number that is composite when followed by any digit.
(Number Gossip)

The number 20 is the number of moves required to solve Rubik's cube in the worst case.
(Wikipedia, God's algorithm)

In the game of chess, each player has 20 possible first moves. (Number Gossip)

Score is an old term for 20. Abraham Lincoln began his Gettysburg Address with, "Four score and seven years ago our fathers brought forth, upon this continent, a new nation . . ." This was the way he chose to say 87 years.

Normal vision is described as 20-20, which means that you can read **20-point type** at a distance of 20 feet.

The twentieth century ended on December 31, 2000.

In the British monetary system, 20 shillings is 1 pound.

In a well-known short story by the American author Washington Irving, Rip Van Winkle fell asleep for 20 years.

There are 20 possible first moves in the game of chess.

The game of *Dungeons & Dragons* makes use of a 20-sided, icosahedral die. A second-century Roman icosahedral die was sold for \$17,295 in 2003.

