55 = 54 + 1

55 = 5 \cdot 11

The fifth square pyramidal number

The tenth Fibonacci number

\[
55 = 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10
\]

Tenth triangular number: \( \binom{10+1}{2} \)

Largest to be both triangular and Fibonacci

The only numbers that are simultaneously triangular and square pyramidal are:

0, 1, 55, 91 and 208, 305.

\[
55 = 1^2 + 2^2 + 3^2 + 4^2 + 5^2 \quad \text{(pyramidal)}
\]

\(2^{55} - 55\) is prime.

Heptagonal

Centered nonagonal

Congruent number.

Not the sum of 3 squares.

Integers of \(\mathbb{Q}(\sqrt{-55})\) has class number 4.