87 = 86 + 1
87 = 3 \cdot 29

Any prime can be proved prime using only 87 additions and multiplications.

\[ 87 = 2^2 + 3^2 + 5^2 + 7^2, \text{ squares of first four primes} \]

87 cannot be written as a sum of 3 squares.

\( \Omega(\sqrt{87}) \) has class number 6.

Number of partitions of 48 into distinct odd parts.

Lucky number, odious number, 87 = 1010111_2.

Congruent number.