n factorial

1, 1, 2, 6, 24, 120, 720, 5040, 40320, 362880, 3628800, 39916800, 479001600, …

Written *n*!, this is the product of the numbers 1…*n*.

The number of different ways of arranging *n* objects.

There are exactly 10! seconds in a week. *(Prove it!)*

First appeared in a book written in 300AD.