

# FACTORIAL

Computes the factorial of a value.

## Syntax

```
Result = SRP_Math("FACTORIAL", Value, "", DecimalPlaces, ScientificNotation)
```

## Returns

The factorial of *Value*.

## Remarks

The FACTORIAL operation computes the factorial of *Value*. The factorial is the following algorithm:

$N * (N - 1) * (N - 2) \dots$  until  $N < 2$ .

*Value* must be an integer. No error is generated if *Value* is a decimal number, but the results will be nonsense.

You can specify FACT for short.

## Example

```
// Compute the factorial of 16
Result = SRP_Math("FACTORIAL", "16")
!! Result = 20922789888000.0 !!
```

```
// Computing the factorial of PI doesn't really make sense
Val = "3.14159"
Result = SRP_Math("FACT", Val)
!! Result = 1.08749826743204552961 !!
```