

? How can I use the IMPRODUCT function in Google Sheets?

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The IMPRODUCT function in Google Sheets is a mathematical formula that allows users to multiply a range of numbers together and return their product. It is a helpful tool for quickly calculating the product of multiple values in a spreadsheet. To use the IMPRODUCT function, simply enter the range of numbers you want to multiply and the function will automatically calculate and display the result. This function can save time and effort when working with large sets of data in Google Sheets.

IMPRODUCT

Returns the result of multiplying a series of complex numbers together.

Sample Usage

```
IMPRODUCT(A2:A100)
```

```
IMPRODUCT("1+2i", 3, "4i")
```

```
IMPRODUCT("1+2i", "3+5i", A2:A50)
```

Syntax

```
IMPRODUCT(factor1, )
```

factor1 - The first complex number or range to calculate for the product.**factor2, ...** - - More complex numbers to multiply by.

Notes

The product of two complex numbers is defined as follows:

$(a+bi)(c+di) = (ac-bd) + (ad+bc)i$ You can multiply complex numbers only if they have the same suffix (i or j). For example, you can't do `IMPRODUCT("4+3i", "1+2j")`.

See also

COMPLEX: The COMPLEX function creates a complex number, given real and imaginary coefficients.**IMREAL**: Returns the real coefficient of a complex number.**IMAGINARY**: Returns the imaginary coefficient of a complex number.**IMDIV**: Returns one complex number divided by another.**IMSUM**: Returns the sum of a series of complex numbers or cells or both.

Examples

1	A	B
2	Formula	Result
3	=IMPRODUCT(COMPLEX(3, 4), 2)	6+8i
4	=IMPRODUCT("3+4i", "2i", "2i")	-12-16i

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