How can I use the SUMIF function in Google Sheets?

Authored by

stats writer

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The SUMIF function in Google Sheets allows users to quickly and accurately calculate the sum of a specific range of cells based on a given criteria. This function is useful for organizing and analyzing data in spreadsheets, as it eliminates the need for manual calculations. By using the SUMIF function, users can easily filter and sum data that meets certain conditions, saving time and effort in data analysis. To use this function, simply input the range of cells to be evaluated, the criteria to be met, and the range of cells to be summed. This will result in the sum of all cells that meet the specified criteria. The SUMIF function is a powerful tool for efficiently managing and manipulating data in Google Sheets.

Google Sheets SUMIF Function

SUMIF Function

The **SUMIF** function is a premade function in Google Sheets, which calculates the sum of values in a range based on a **true** or **falsecondition**.

It is typed `=SUMIF`:

=SUMIF(**range**, **criterion**,)

The **condition** is referred to as `criterion`, which can check things like:

If a number is **greater than** another number >If a number is **smaller than** another number <If a number or text is **equal** to something =

The is the range where the function calculates the sum.

Note: The is optional.

If not specified, the function calculates the sum of the same range as the condition.

Example SUMIF function

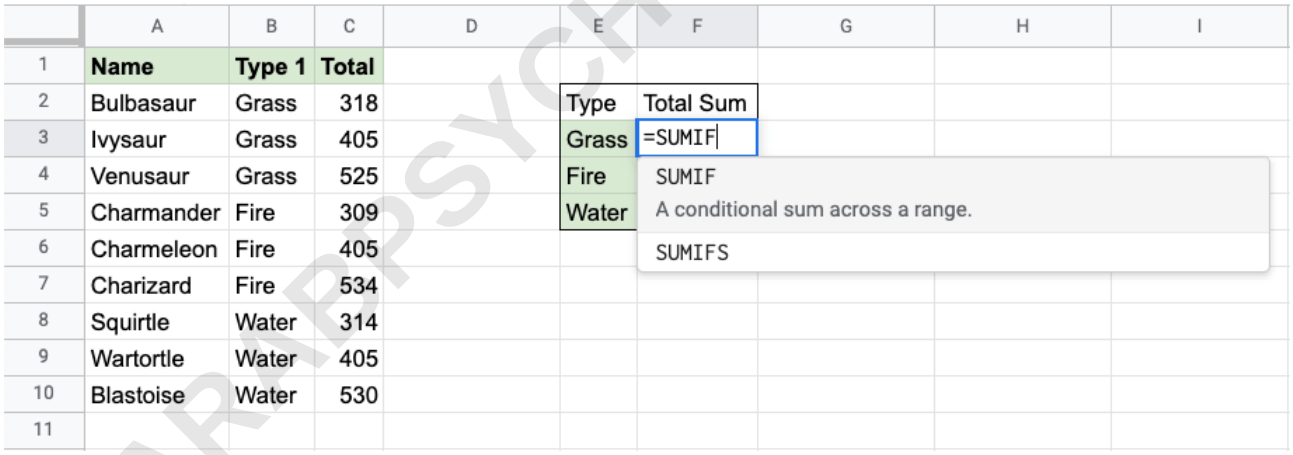
Find the sum of Total stats for Grass type Pokemon:

The condition is that the type is "Grass".

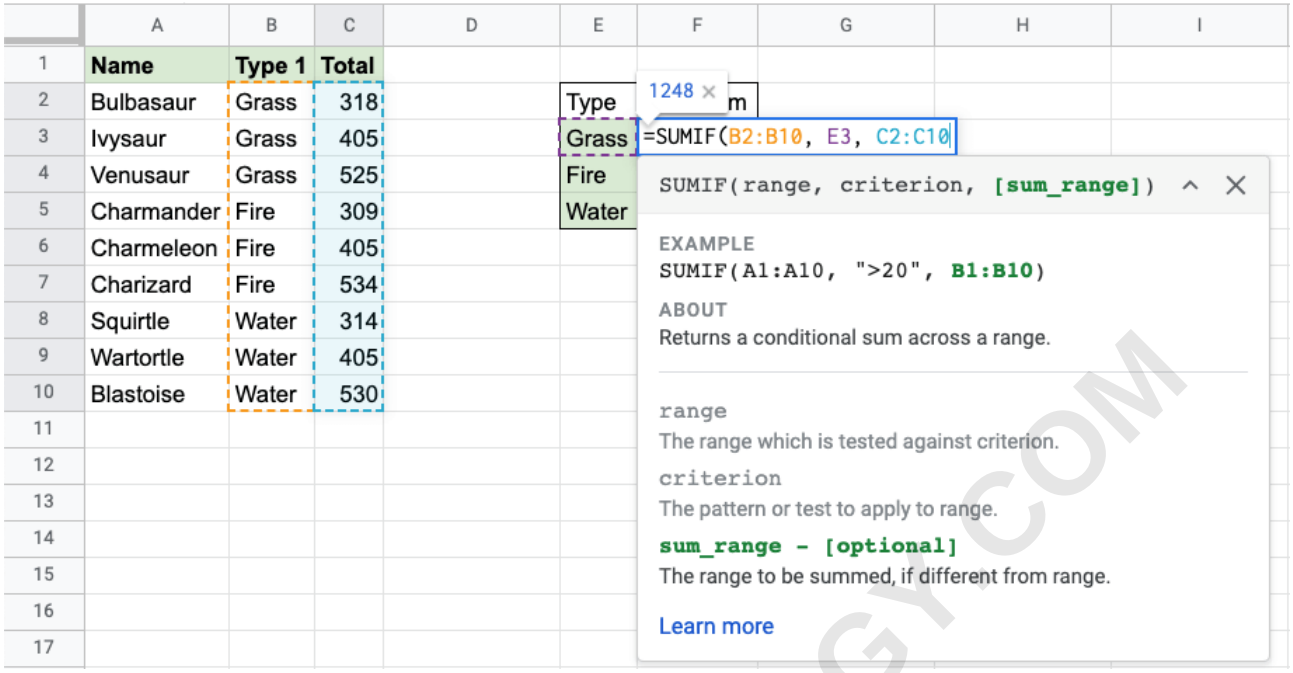
	A	B	C	D	E	F	G
1	**Name**	**Type 1**	**Total**				
2	Bulbasaur	Grass	318		Type	Total Sum	
3	Ivysaur	Grass	405		Grass		
4	Venusaur	Grass	525		Fire		
5	Charmander	Fire	309		Water		
6	Charmeleon	Fire	405				
7	Charizard	Fire	534				
8	Squirtle	Water	314				
9	Wartortle	Water	405				
10	Blastoise	Water	530				
11							

Example **SUMIF** function, step by step:

Select the cell `F3`Type `=SUMIF`Click the **SUMIF** command

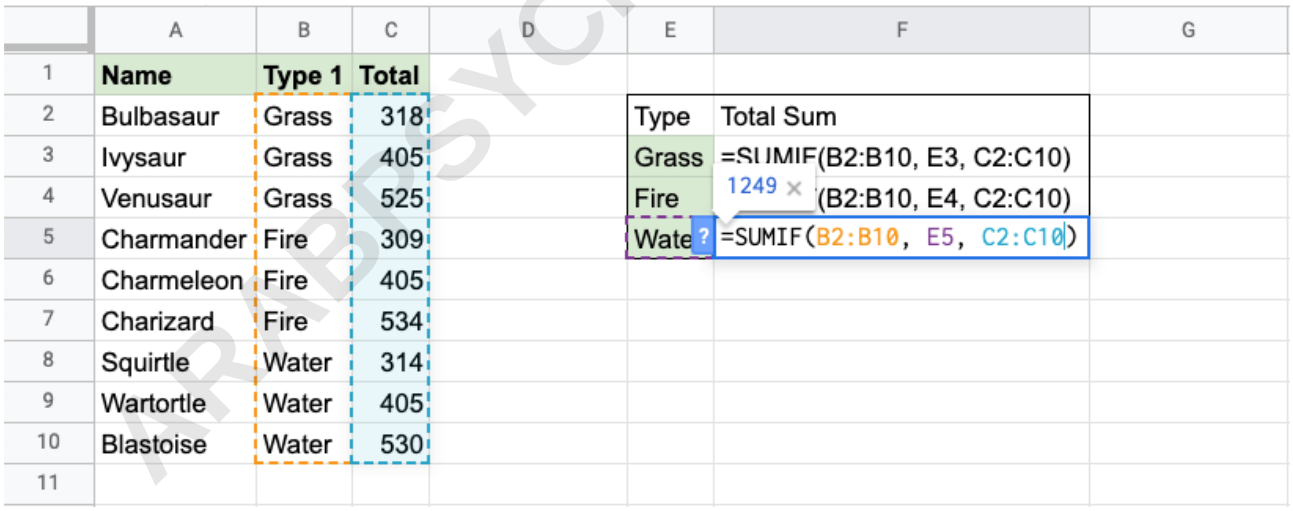


Specify the range for the condition`B2:B10` (the Type 1 values)Type `,`Specify the criteria (the cell `E3`, which has the value "Grass")Type `,`Specify the range for the sum `C2:C10` (the Total values)Type `,`Hit enter



The function now sums the Total stats for Grass type Pokemon.

The function can be repeated for the other Pokemon types to compare them:



Note: You can use the filling function for the other rows, but make sure to use absolute references for the ranges.

Now, we can see the sum of total stats for the different types of Pokemon:

	A	B	C	D	E	F	G
1	**Name**	**Type 1**	**Total**				
2	Bulbasaur	Grass	318		Type	Total Sum	
3	Ivysaur	Grass	405		Grass	1248	
4	Venusaur	Grass	525		Fire	1248	
5	Charmander	Fire	309		Water	1249	
6	Charmeleon	Fire	405				
7	Charizard	Fire	534				
8	Squirtle	Water	314				
9	Wartortle	Water	405				
10	Blastoise	Water	530				
11							