

Sumif and Sumifs functions in Excel

Sumif function - The function to sum using a condition. Sumifs function - Sum function uses multiple conditions

Sumif function - The function to sum using a condition

Syntax: Sumif (range, criteria, sum_range).

Inside:

- **Range:** data range of conditions.
- **Criteria:** Conditions for summing.
- **sum_range:** The data area you want to sum.

Meaning of the function: conditional sum function.

Example: Calculating the total amount sold of the item with the code "SD1M2".

B	C	D	E	F	G	H	I
Báo cáo bán hàng							
	STT	Mã HD	Mặt hàng	Ngày	Số lượng	Đơn giá	Thành tiền
	1	hd001	SD1M2	17/4/2015	8	150000	1200000
	2	hd002	SD1M2	18/4/2015	2	160000	320000
	3	hd003	HDM64	17/4/2016	2	170000	340000
	4	hd004	HDM64	18/4/2016	4	180000	720000
	5	hd005	SD1M4	17/4/2017	3	190000	570000
	6	hd006	HDM64	18/4/2017	7	200000	1400000
	7	hd007	CDM74	17/4/2018	5	210000	1050000
	8	hd008	SD1M2	18/4/2018	9	220000	1980000
	9	hd009	CDM74	17/4/2019	9	230000	2070000
	10	hd010	SD1M2	18/4/2019	6	240000	1440000
Tổng tiền bán được của mặt hàng có mã SD1M2 là:							
Cú pháp : =SUMIF(E7:E16,"SD1M2",I7:I16)							4940000

Sumifs function - Sum function uses multiple conditions

Syntax: (sum_range, criteria_range1, criterial1, criteria_range2, criterial1, ..).

Inside:

- **Sum_range:** The data area to be summed (only counting cells with numeric data types, text values ??ignored).
- **criteria_range1:** data area containing the value of condition 1.
- **criteria1:** The search condition corresponds to the criteria_range1 data area.
- **criteria_range2:** the data area containing the value of condition 2.
- **criteria2 :** The search condition corresponds to the criteria_range2 data area.

Similarly if there are many search conditions there will be criteria n with n = 255.

Example: Calculating the total amount of money sold on April 18, 2015 with the code "SD1M2".

The total values ??must satisfy both conditions simultaneously to be summed.

STT	Mã HĐ	Mặt hàng	Ngày	Số lượng	Đơn giá	Thành tiền
1	hd001	SD1M2	17/4/2015	8	150000	1200000
2	hd002	SD1M2	18/4/2015	2	160000	320000
3	hd003	HDM64	17/4/2016	2	170000	340000
4	hd004	CDM74	18/4/2016	4	180000	720000
5	hd005	SD1M4	17/4/2017	3	190000	570000
6	hd006	HDM64	18/4/2017	7	200000	1400000
7	hd007	CDM74	17/4/2018	5	210000	1050000
8	hd008	SD1M2	18/4/2018	9	220000	1980000
9	hd009	CDM74	17/4/2019	9	230000	2070000
10	hd010	SD1M2	18/4/2019	6	240000	1440000
Tổng tiền bán được trong ngày 18/4/2015 là:						320000
Cú pháp : =SUMIFS(I7:I16,E7:E16,"SD1M2",F7:F16,"18/4/2015")						320000

Some examples of using sumif and sumifs functions.

Calculate the total amount of money sold on 18/4/2015 with the number = 5.

STT	Mã HĐ	Mặt hàng	Ngày	Số lượng	Đơn giá	Thành tiền
1	hd001	SD1M2	17/4/2015	8	150000	1200000
2	hd002	SD1M2	18/4/2015	2	160000	320000
3	hd003	HDM64	17/4/2016	2	170000	340000
4	hd004	CDM74	18/4/2016	4	180000	720000
5	hd005	SD1M4	17/4/2017	3	190000	570000
6	hd006	HDM64	18/4/2017	7	200000	1400000
7	hd007	CDM74	17/4/2018	5	210000	1050000
8	hd008	SD1M2	18/4/2018	9	220000	1980000
9	hd009	CDM74	17/4/2019	9	230000	2070000
10	hd010	SD1M2	18/4/2019	6	240000	1440000
Cú pháp : =SUMIF(F7:F16,"18/4/2015",I7:I16)						320000

Calculating the total amount of money sold on 04/18/2015 with item code "SD1M2" with the quantity equal to 2.

B	C	D	E	F	G	H	I	J
Báo cáo bán hàng								
	STT	Mã HD	Mặt hàng	Ngày	Số lượng	Đơn giá	Thành tiền	
	1	hd001	SD1M2	17/4/2015	8	150000	1200000	
	2	hd002	SD1M2	18/4/2015	2	160000	320000	
	3	hd003	HDM64	17/4/2016	2	170000	340000	
	4	hd004	CDM74	18/4/2016	4	180000	720000	
	5	hd005	SD1M4	17/4/2017	3	190000	570000	
	6	hd006	HDM64	18/4/2017	7	200000	1400000	
	7	hd007	CDM74	17/4/2018	5	210000	1050000	
	8	hd008	SD1M2	18/4/2018	9	220000	1980000	
	9	hd009	CDM74	17/4/2019	9	230000	2070000	
	10	hd010	SD1M2	18/4/2019	6	240000	1440000	
	Cú pháp : =SUMIFS(I7:I16,E7:E16,"SD1M2",F7:F16,"18/4/2015",G7:G16,"2")						320000	

You have to pay attention in this article I to format the column number of the text so when writing the conditional value function to the string. If you convert the column number format to number slightly changed when writing commands. Depending on the data type you customize accordingly.

B	C	D	E	F	G	H	I	J
Báo cáo bán hàng								
	STT	Mã HD	Mặt hàng	Ngày	Số lượng	Đơn giá	Thành tiền	
	1	hd001	SD1M2	17/4/2015	8	150000	1200000	
	2	hd002	SD1M2	18/4/2015	2	160000	320000	
	3	hd003	HDM64	17/4/2016	2	170000	340000	
	4	hd004	CDM74	18/4/2016	4	180000	720000	
	5	hd005	SD1M4	17/4/2017	3	190000	570000	
	6	hd006	HDM64	18/4/2017	7	200000	1400000	
	7	hd007	CDM74	17/4/2018	5	210000	1050000	
	8	hd008	SD1M2	18/4/2018	9	220000	1980000	
	9	hd009	CDM74	17/4/2019	9	230000	2070000	
	10	hd010	SD1M2	18/4/2019	6	240000	1440000	
	Cú pháp : =SUMIFS(I7:I16,E7:E16,"SD1M2",F7:F16,"18/4/2015",G7:G16,2)						320000	

Good luck !

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