

★ Rows Hidden by a Filter

1. For example, the SUM function below calculates the total sales.

[illegible]

2. Apply a filter.

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Excel



Microsoft Excel



[illegible][illegible]

5. It's not easy to remember which argument belongs to which function. Fortunately, the AutoComplete feature in Excel helps you with this.

Formula Bar: `=SUBTOTAL(109`

	A	B	C	D	E	H	I
1	Last Name	Sales	Count	Quarter			
3	Johnson	\$14,808.00	USA	Qtr 4			
6	Brown	\$4,865.00	USA	Qtr 4			
10	Jones	\$9,213.00	USA	Qtr 4			
16							
17	SUBTOTAL	=SUBTOTAL(109					
18							
19							
20							
21							
22							
23							
24							
25							

Dropdown menu for SUBTOTAL function:

- 1 - AVERAGE
- 2 - COUNT
- 3 - COUNTA
- 4 - MAX
- 5 - MIN
- 6 - PRODUCT
- 7 - STDEV.S
- 8 - STDEV.P
- 9 - SUM
- 10 - VAR.S
- 11 - VAR.P
- 101 - AVERAGE
- 102 - COUNT
- 103 - COUNTA
- 104 - MAX
- 105 - MIN
- 106 - PRODUCT

Tooltip for SUBTOTAL function: `SUBTOTAL(function_num, ref1, ...)`

include manually hidden rows!

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◆ Automatic Subtotals

We saved the best for last. Excel can automatically add SUBTOTAL functions for you.

1. The first option. [Create a table](#) and add a [total row](#) to the bottom of the table. Next, click any cell in the last row to automatically add a SUBTOTAL function.

B16		=SUBTOTAL(109,[Sales])						
	A	B	C	D	E	F	G	H
1	Last Name	Sales	Country	Quarter				
2	Brown	\$3,255.00	USA	Qtr 2				
3	Brown	\$4,865.00	USA	Qtr 4				
5	Johnson	\$14,808.00	USA	Qtr 4				
6	Jones	\$1,390.00	USA	Qtr 3				
8	Jones	\$9,213.00	USA	Qtr 4				
9	Smith	\$9,698.00	USA	Qtr 1				
11	Smith	\$18,919.00	USA	Qtr 3				
14	Williams	\$14,867.00	USA	Qtr 3				
16	Total	\$77,015.00		8				
17		None						
18		Average						
19		Count						
20		Count Numbers						
21		Max						
22		Min						
23		Sum						
		StdDev						
		Var						
		More Functions						

Explanation: in this example, we also filtered by Country. Excel uses the SUBTOTAL function to correctly calculate the total sales in the USA.

2. The second option. On the Data tab, in the Outline group, click Subtotal to [outline your data](#).

B6		=SUBTOTAL(9,B2:B5)	
1	2	3	
A	B	C	D

	1	Last Name	Sales	Product Type	Company
	2	Jones	\$1,390.00	DF-3	Kung Food
	3	Williams	\$1,243.00	FD-2	Kung Food
	4	Johnson	\$9,339.00	DC-1	Kung Food
	5	Jones	\$7,433.00	DF-7	Kung Food
-	6		\$19,405.00		Kung Food Total
	7	Brown	\$3,255.00	FD-2	Pancakes on the Rocks
	8	Williams	\$1,930.00	A-34	Pancakes on the Rocks
-	9		\$5,185.00		Pancakes on the Rocks Total
	10	Williams	\$1,064.00	EE-2	Peace A Pizza
	11	Brown	\$4,865.00	EEE-45	Peace A Pizza
	12	Smith	\$9,698.00	F-3334	Peace A Pizza
-	13		\$15,627.00		Peace A Pizza Total
	14	Smith	\$1,675.00	EEE-312	Wok N Roll
	15	Johnson	\$1,480.00	DC-1	Wok N Roll
	16	Smith	\$1,891.00	EEE-312	Wok N Roll
	17	Jones	\$9,213.00	FG-5	Wok N Roll
	18	Williams	\$1,486.00	A-34	Wok N Roll
-	19		\$15,745.00		Wok N Roll Total
-	20		\$55,962.00		Grand Total
	21				

Explanation: in this example, Excel automatically added 5 SUBTOTAL functions (B6, B9, B13, B19 and B20). Follow the link for more information.

Chapter

■ [Filter](#)

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