



Count and Sum Functions in Excel

The most used functions in Excel are the functions that count and sum. You can count and sum based on one criteria or multiple criteria.

◆ COUNT

To count the number of cells that contain numbers, use the COUNT function.

Note: to count blank and nonblank cells in Excel, use COUNTBLANK and COUNTA.

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◆ COUNTIF

To count cells based on one criteria (for example, greater than 9), use the following COUNTIF function:

A7	:	X	✓	f _x	=COUNTIF(A1:A5,>9")			
A	B	C	D	E	F	G	H	I

1	10
2	1
3	7
4	20
5	3
6	
7	2
8	

Note: visit our page about the [COUNTIF function](#) for many more examples.

◆ COUNTIFS

To count rows based on multiple criteria (for example, green and greater than 9), use the following COUNTIFS function.

B7		=COUNTIFS(A1:A5,"green",B1:B5,>9")
A	B	
1	red	10
2	green	1
3	red	7
4	green	20
5	red	3
6		
7		1
8		

◆ SUM

To sum a range of cells, use the SUM function.

A7		=SUM(A1:A5)
A	B	
1	10	
2	1	
3	7	
4	20	
5	3	
6		
7	41	
8		

Note: visit our page about the [SUM function](#) for many more examples.

◆ SUMIF

To sum cells based on one criteria (for example, greater than 9), use the following SUMIF function (two arguments).

B7		=SUMIF(B1:B5,>9")

A	B	C	D	E	F	G	H	I
1	10							
2	1							
3	7							
4	20							
5	3							
6								
7	30							
8								

To sum cells based on one criteria (for example, green), use the following SUMIF function (three arguments, last argument is the range to sum).

SUMIF Example								
B7 : =SUMIF(A1:A5,"green",B1:B5)								
A	B	C	D	E	F	G	H	I
1 red	10							
2 green	1							
3 red	7							
4 green	20							
5 red	3							
6								
7	21							
8								

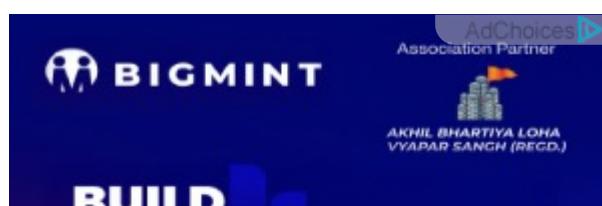
Note: visit our page about the [SUMIF function](#) for many more examples.

◆ SUMIFS

To sum cells based on multiple criteria (for example, circle and red), use the following SUMIFS function (first argument is the range to sum).

SUMIFS Example								
C7 : =SUMIFS(C1:C5,A1:A5,"circle",B1:B5,"red")								
A	B	C	D	E	F	G	H	I
1 circle	red	10						
2 triangle	green	1						
3 circle	red	7						
4 circle	green	20						
5 triangle	red	3						
6								
7	17							
8								

General note: in a similar way, you can use the [AVERAGEIF function](#) to average cells based on one criteria and the [AVERAGEIFS function](#) to average cells based on multiple criteria.





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