

What is the formula for the SUM function in Excel?

Authored by
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RECOMMENDED CITATION

stats writer (2024). *What is the formula for the SUM function in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=158283>

Excel SUM Function

	A	B	C	D	E	F	G	H
1	Name	Type 1	Type 2	Total stats				
2	Mankey	Fighting		305				
3	Magneeton	Electric	Steel	465				
4	Onix	Rock	Ground	385				
5	Dragonair	Dragon		420				
6	Pidgeotto	Normal	Flying	349				
7	Rattata	Normal		253				
8	Charmeleon	Fire		405				
9	Gastly	Ghost	Poison	310				
10	Magikarp	Water		200				
11								
12				=SUM				
13								
14								
15								

D12		f_x	=SUM(			
	A	B	C	D	E	F
1	Name	Type 1	Type 2	Total stats		
2	Mankey	Fighting		305		
3	Mageton	Electric	Steel	465		
4	Onix	Rock	Ground	385		
5	Dragonair	Dragon		420		
6	Pidgeotto	Normal	Flying	349		
7	Rattata	Normal		253		
8	Charmeleon	Fire		405		
9	Gastly	Ghost	Poison	310		
10	Magikarp	Water		200		
11						
12				=SUM(		
13				SUM (number1; [number2]; ...)		
14						
15						

D12		fx		=SUM(D2:D10		
	A	B	C	D	E	F
1	Name	Type 1	Type 2	Total stats		
2	Mankey	Fighting		305		
3	Mageton	Electric	Steel	465		
4	Onix	Rock	Ground	385		
5	Dragonair	Dragon		420		
6	Pidgeotto	Normal	Flying	349		
7	Rattata	Normal		253		
8	Charmeleon	Fire		405		
9	Gastly	Ghost	Poison	310		
10	Magikarp	Water		200		
11						
12				=SUM(D2:D10		
13				SUM (number1; [number2]; ...)		
14						
15						

D12		<i>fx</i>	=SUM(D2:D10)		
	A	B	C	D	E
1	Name	Type 1	Type 2	Total stats	
2	Mankey	Fighting		305	
3	Mageton	Electric	Steel	465	
4	Onix	Rock	Ground	385	
5	Dragonair	Dragon		420	
6	Pidgeotto	Normal	Flying	349	
7	Rattata	Normal		253	
8	Charmeleon	Fire		405	
9	Gastly	Ghost	Poison	310	
10	Magikarp	Water		200	
11					
12				3092	
13					
14					
15					

Great job! You have successfully calculated the sum of the stats using the =SUM function. The Pokemon's stats have a total sum of 3092.

Let's change one of the values in the range, to see what happens. Type D7(350):

D12		f_x	=SUM(D2:D10)		
	A	B	C	D	E
1	Name	Type 1	Type 2	Total stats	
2	Mankey	Fighting		305	
3	Magnetron	Electric	Steel	465	
4	Onix	Rock	Ground	385	
5	Dragonair	Dragon		420	
6	Pidgeotto	Normal	Flying	349	
7	Rattata	Normal		350	
8	Charmeleon	Fire		405	
9	Gastly	Ghost	Poison	310	
10	Magikarp	Water		200	
11					
12				3189	
13					

Rattata total stats was changed from (D7)253 to (D7)350.

The **SUM** function updated the total sum from D12(3092) to D12(3189).

It updates the **SUM** when values inside of the range are changed.

Lets change **Rattata** stats to a negative number to see what happens. Type D7(-350):

D12		f_x	=SUM(D2:D10)		
	A	B	C	D	E
1	Name	Type 1	Type 2	Total stats	
2	Mankey	Fighting		305	
3	Mageton	Electric	Steel	465	
4	Onix	Rock	Ground	385	
5	Dragonair	Dragon		420	
6	Pidgeotto	Normal	Flying	349	
7	Rattata	Normal		-350	
8	Charmeleon	Fire		405	
9	Gastly	Ghost	Poison	310	
10	Magikarp	Water		200	
11					
12				2489	
13					

The **SUM** is updated to D12 (2489). Adding a negative number subtracts that value from the range.

The **=SUM** function adds both positive and negative numbers.

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