

1. SUM: adds all the numbers that you specify as arguments.

Sum up all the numbers in cell K7 to K114.

1	How many days to	otal did the	temperatur	e stay belov	w 32?
	Answer:	1069	=SUM(K7:K	114)	

2. <u>SUMIFS</u>: Adds the cells in a range that meet multiple criteria.

Sum up the numbers in cell K6 to K114 which with a "2009" in their column A.

2 How many days ir	2009 total	did the temperature stay bel	ow 32?
Answer:	114	=SUMIFS(K6:K114,A6:A114,"	2009")

Here we change the criteria to be the number in cell C123.

3	How many days ir	Year X tota	al did the te	mperature	stay below	32?	
	X:	2008					
	Answer:	127	=SUMIFS(K6:K114,A6:A114,C123)				

3. COUNTIFS: Applies criteria to cells across multiple ranges and counts the number of times all criteria are met.

Here we have a conditional: less than Y degrees, so we should put this conditional into quotation marks. But as Y is stored in cell C128, if we write "< C128", C128 will no longer refer to a cell but become a string. Therefore, we should take it out of the "", and use a & to link between them.

4	4 How many days in Year X was the average low colder than Y degrees?									
	X:	2009	How	How many months in Year X?			12	=COUNTIFS(A6:A114,C127)		
	Y	32								
	Answer:	3	=COUNTIFS(A6:A114,C127,F6:F114,"<" & C128)							

5	5 How many months was there at least one day where the temperature stayed below 32?											
	Answer:	63	=COUNTIFS(K6:K114,">0")									