

1+1	2					
sum(b3:b7)						
	2					
	2					
	2					
	2					
	2					
SUM(B3:B7)	10					
count(b3:b7)	5					
exponent						
2^2	4					
You can calculate the logarithm of a number for a base using the LOG() function, defaulting to base 10. Remember that the log is the inverse operation of raising a number to a power.						
For example the expression =LOG(4,2) will calculate the logarithm of 4 using base 2 and will evaluate as 2						
log(4,2)	2					
You can calculate the square root of a number using the SQRT() $\sqrt{\quad}$ function. For example, the expression =SQRT(4) evaluates as 2. This is often written as 4.						
sqrt(2)	1.414213562					
Let's try working with the mathematical constant Euler's number (e)						
We can raise a number to e using the function EXP(). For example the expression =EXP(2) will evaluate as 7.389056099. This can also be written as e 2						

exp(2)	7.389056099					
We can calculate the natural logarithm of a number using the function LN(). Remember that the natural logarithm is the inverse operation of raising e to a power. For example the expression =LN(7.389056099) will evaluate as 2.						
ln(7.3890)	2					
pi()	3.141592654					
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Statistical Summaries						
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You can calculate the mean or average of a list of numbers using the AVERAGE() function. Remember that the average is the middle or central tendency of a list of numbers. For example, the expression =AVERAGE(1,2,3) will evaluate as 2. Often the mean is referred to as $\mu$ (mu						
average(1,2,3)	2					
You can calculate the mode of a list of numbers using the MODE() function. Remember that the mode of a list of numbers is the most common value in the list. For example the expression =MODE(2,2,3) will evaluate as 2.						
mode(2,3,4,5,5)	5					
You can calculate the standard deviation of a list of numbers using the STDEV() function. Remember that the standard deviation is the average spread of the points from the mean value. For example the expression =STDEV(1,2,3) evaluates as 1. Often the standard deviation is referred to as $\sigma$ (sigma).						



Flow Control						
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<p>You can conditionally evaluate a cell using the IF() function. It takes three arguments, the first is the condition to evaluate, the second is the expression to use if the condition evaluates true, and the final argument is the expression to use if the condition evaluates false. For example the expression =IF(1&gt;2,"YES","NO") evaluates as NO.</p>						
IF(1>2,"yes","no")		no				
IF(10>2,"yes","no")		yes				