EXCEL FUNCTIONS

Function	What it does
COUNT(VALUE1[, VALUE2, ...])	Counts numbers
COUNTA(VALUE1[, VALUE2, ...])	Counts non-empty cells
COUNTBLANK(VALUE1[, VALUE2, ...])	Counts empty cells
COUNTIF(RANGE, CRITERIA)	Counts the cells in a range that match the criteria
COUNTIFS(RANGE1, CRITERIA1[, RANGE2, CRITERIA2, ...])	Counts the cells in multiple ranges that match multiple criteria
PERMUT(NUMBER, NUMBER_CHOSEN)	Counts the permutations
COMBIN(NUMBER, NUMBER_CHOSEN)	Counts the combinations
SUM(NUMBER1[, NUMBER2, ...])	Calculates the sum
SUMIF(RANGE, CRITERIA[, AVERAGE_RANGE])	Calculates the sum of the cells that match the criteria

SUMIFS(AVERAGE_RANGE, RANGE1, CRITERIA1[, RANGE2, CRITERIA2…])	Calculates the sum of cells in multiple ranges that match multiple criteria
AVERAGE(NUMBER1[, NUMBER2, …])	Calculates the arithmetic mean
AVERAGEIF(RANGE, CRITERIA[, AVERAGE_RANGE])	Calculates the mean of the cells that match the criteria
AVERAGEIFS(AVERAGE_RANGE, RANGE1, CRITERIA1[, RANGE2, CRITERIA2…])	Calculates the mean of cells in multiple ranges that match multiple criteria
MEDIAN(NUMBER1[, NUMBER2, …])	Calculates the median (middle) value
MODE(NUMBER1[, NUMBER2, …])	Calculates the mode (most common) value
RANK.EQ(NUMBER, REF[, ORDER])	Returns an item’s rank relative to

	the other items in a data set
LARGE(ARRAY, K)	Returns the Kth largest item in a data set
SMALL(ARRAY, K)	Returns the Kth smallest item in a data set
FREQUENCY(DATA_ARRAY, BINS_ARRAY)	Creates a grouped frequency distribution
VAR.S(NUMBER1[, NUMBER2, ...])	Calculates the variance of a sample
VAR.P(NUMBER1[, NUMBER2, ...])	Calculates the variance of a population
STDEV.S(NUMBER1[, NUMBER2, ...])	Calculates the standard deviation of a sample
STDEV.P(NUMBER1[, NUMBER2, ...])	Calculates the standard deviation of a population
CORREL(ARRAY1, ARRAY2)	Calculates the correlation between two data sets

COMPARISON EXPRESSIONS

Operator	Name	Example	What it matches
=	Equals	= 100	Cells that contain the value 100
<>	Not equal to	<> 0	Cells that contain a value other than 0
>	Greater than	> 1000	Cells that contain a value greater than 1,000
>=	Greater than or equal to	>= 25	Cells that contain a value that's equal to or greater than 25
<	Less than	< 0	Cells that contain a negative value
<=	Less than or equal to	<= 927	Cells the contain a value that's equal to or less than 927

EXCEL'S DATABASE FUNCTIONS

Function	What it does
DGET(DATABASE, FIELD, CRITERIA)	Retrieves a value from a table or range
DSUM(DATABASE, FIELD, CRITERIA)	Adds values from a table or range based on the criteria you specify
DCOUNT(DATABASE, FIELD, CRITERIA)	Counts the numeric values in a table or range that match the specified criteria
DCOUNTA(DATABASE, FIELD, CRITERIA)	Counts the non-blank items in a table or range that match the specified criteria

DAVERAGE(DATABASE, FIELD, CRITERIA)	Averages the values in a table or range that match the specified criteria
DMAX(DATABASE, FIELD, CRITERIA)	Finds the maximum value in a table or range based on the criteria you specify
DMIN(DATABASE, FIELD, CRITERIA)	Finds the minimum value in a table or range based on the criteria you specify
DPRODUCT(DATABASE, FIELD, CRITERIA)	Multiplies the values in a table or range that match the specified criteria
DSTDEV(DATABASE, FIELD, CRITERIA)	Calculates the standard deviation of the sample values in a table or range that match the specified criteria
DSTDEVP(DATABASE, FIELD, CRITERIA)	Calculates the standard deviation of the population values in a table or range that match the specified criteria
DVAR(DATABASE, FIELD, CRITERIA)	Calculates the variance of the sample values in a table or range that match the specified criteria
DVARP(DATABASE, FIELD, CRITERIA)	Calculates the variance of the population values in a table or range that match the specified criteria