What is the purpose of the Excel MODE function?

Authored by

stats writer

June 29, 2024

The Excel MODE function is used to calculate the most frequently occurring value in a given set of data. It is primarily used in statistical analysis to determine the central tendency of a dataset. This function helps in identifying the most common value, allowing for a better understanding of the data. It is particularly useful in identifying trends and patterns in large datasets. Overall, the purpose of the Excel MODE function is to provide a quick and efficient way to analyze data and make informed decisions based on the most commonly occurring values.

Excel MODE Function

MODE Function

The **MODE** function is a premade function in Excel, which is used to find the number seen most times.

This function always returns a single number.

It is typed `=MODE.SNGL`

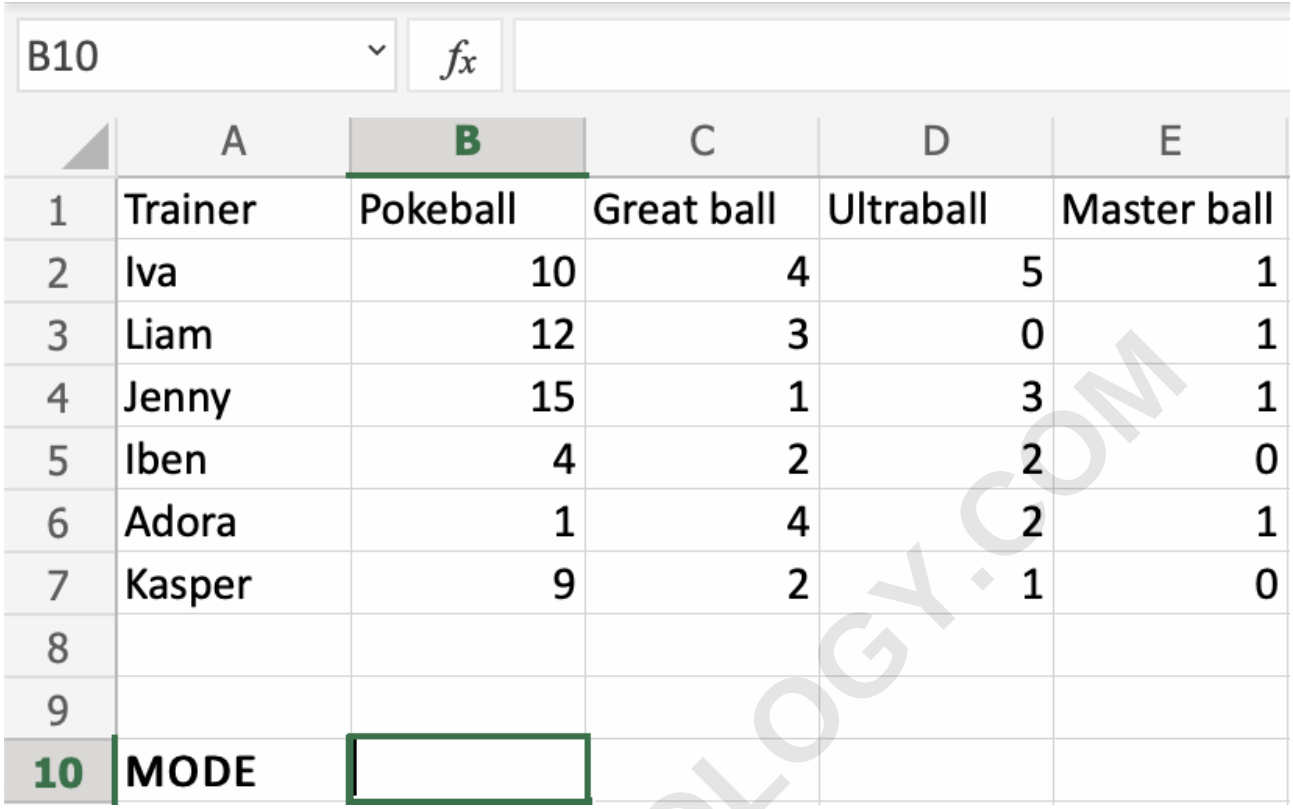
It returns the most occurring number in a range or array.

Note: The mode is a type of average value, which describes where most of the data is located. You can read more about mode in our: Statistics Mode Tutorial.

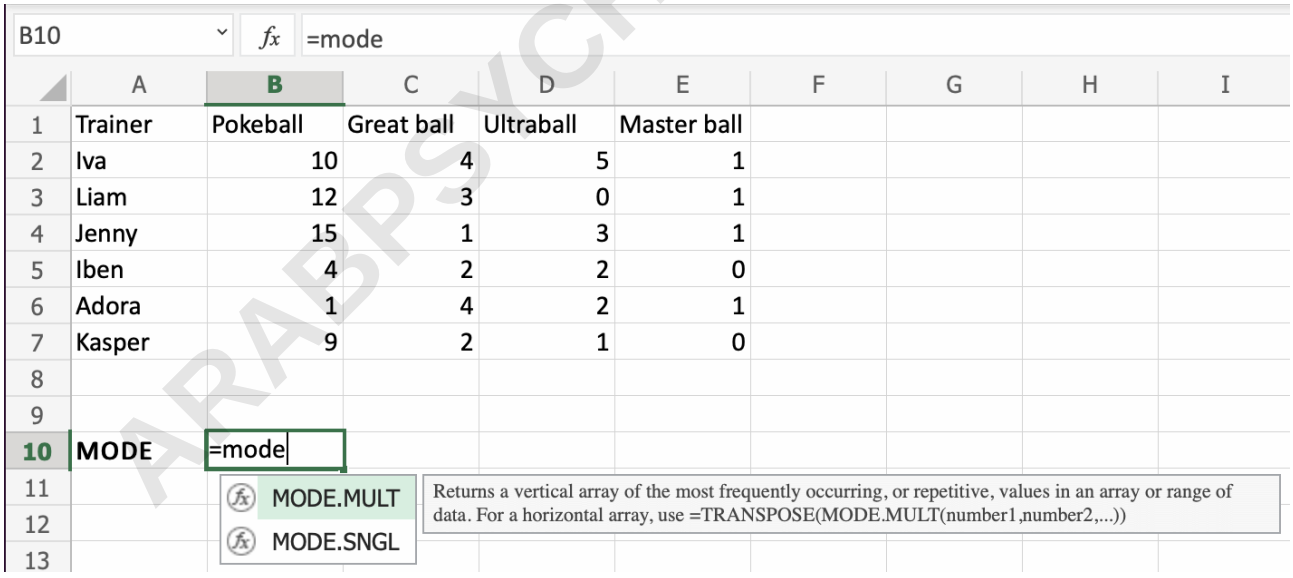
Let's have a look at an example where we help the Pokemon trainers to calculate the mode of numbers of Pokeballs.

How to use the `=MODE` function, step by step:

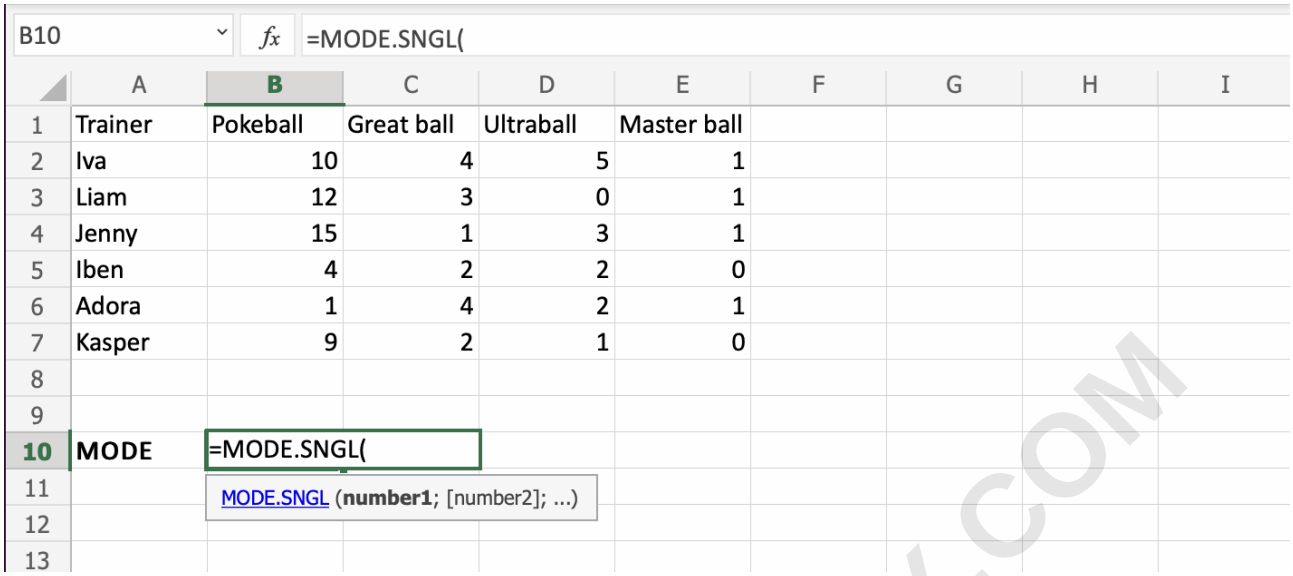
Select a cell (`B10`)Type `=MODE`Double click the **MODE.SNGL** commandSelect a range (`B2:E7`)Hit enter

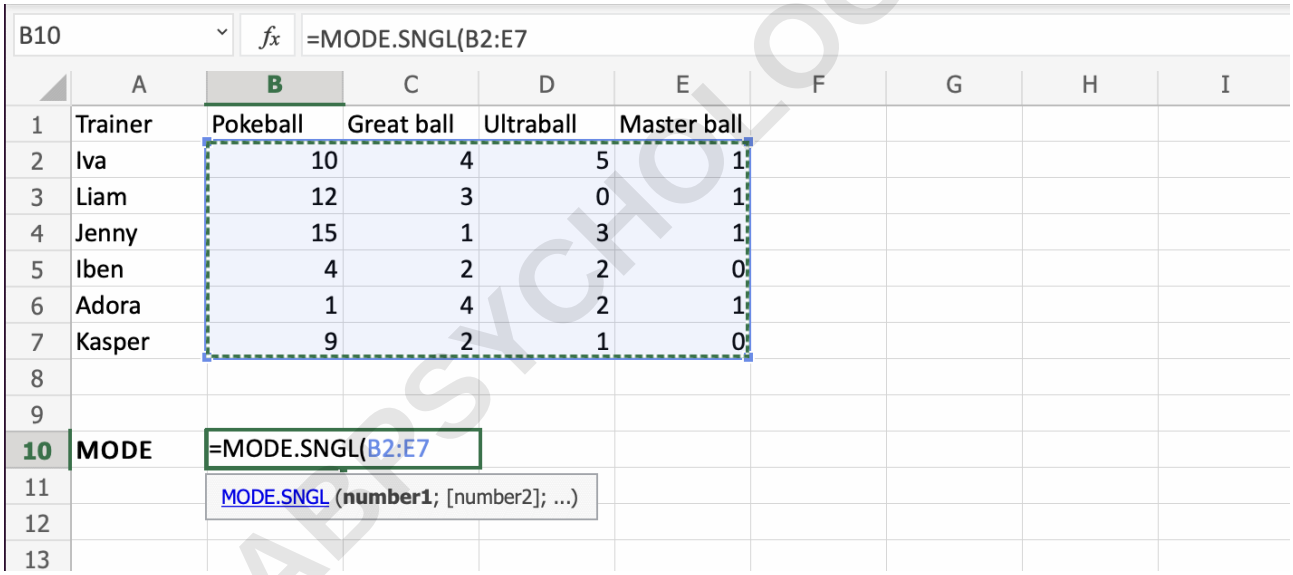


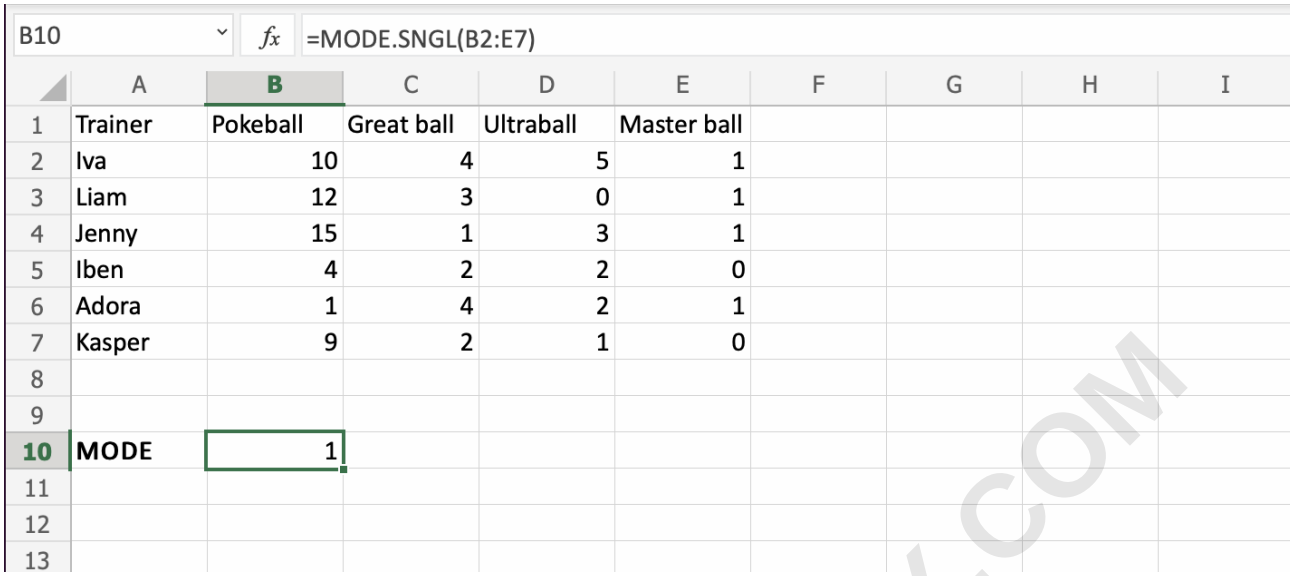
	A	B	C	D	E
1	Trainer	Pokeball	Great ball	Ultraball	Master ball
2	Iva	10	4	5	1
3	Liam	12	3	0	1
4	Jenny	15	1	3	1
5	Iben	4	2	2	0
6	Adora	1	4	2	1
7	Kasper	9	2	1	0
8					
9					
10	MODE				



	A	B	C	D	E	F	G	H	I
1	Trainer	Pokeball	Great ball	Ultraball	Master ball				
2	Iva	10	4	5	1				
3	Liam	12	3	0	1				
4	Jenny	15	1	3	1				
5	Iben	4	2	2	0				
6	Adora	1	4	2	1				
7	Kasper	9	2	1	0				
8									
9									
10	MODE	=mode							
11									
12									
13									







	A	B	C	D	E	F	G	H	I
1	Trainer	Pokeball	Great ball	Ultraball	Master ball				
2	Iva	10	4	5	1				
3	Liam	12	3	0	1				
4	Jenny	15	1	3	1				
5	Iben	4	2	2	0				
6	Adora	1	4	2	1				
7	Kasper	9	2	1	0				
8									
9									
10	MODE	1							
11									
12									
13									

It returns the number `1` which is seen 7x times. The closest number to it is `3` and `4` which are seen 3x times each.

★+1 W3schools PathfinderTrack your progress - it's free!

Log in

Sign Up