

Re: How to calculate number of possible combinations

Source: <http://sci.tech-archive.net/Archive/sci.math/2006-12/msg06792.html>

- *From:* Kira Yamato <kirakun@xxxxxxxxxxxxxx>
 - *Date:* Tue, 26 Dec 2006 03:10:49 -0500
-

On 2006-12-26 01:14:03 -0500, "Leo Muller" <leo_muller_israel@xxxxxxxxxxxxxx> said:

Hi,

I am trying to calculate the number of different combinations of a number of items. The order of the items does not matter. Let's say I have A and B, then it can be A, B or AB. A, B, C would be A, B, C, AB, BC, AC, ABC, so 7 combinations possible.

What is the formula to find this?

I have to create a table for 5, 10, 25, 50, 75, 100, 150, 250, 500, 1000, 2500 items

Hope someone can help me with this!

Regards,

Leo Muller

Assuming no repetition allowed, then in each combination an element is either in there or not in there --- so 2 possibilities for each element. So, if you have n elements, that would be ___ number of combinations. And it looks like you are ignoring the empty combination, so don't forget to subtract 1 from ___ above.

--

-kira

.