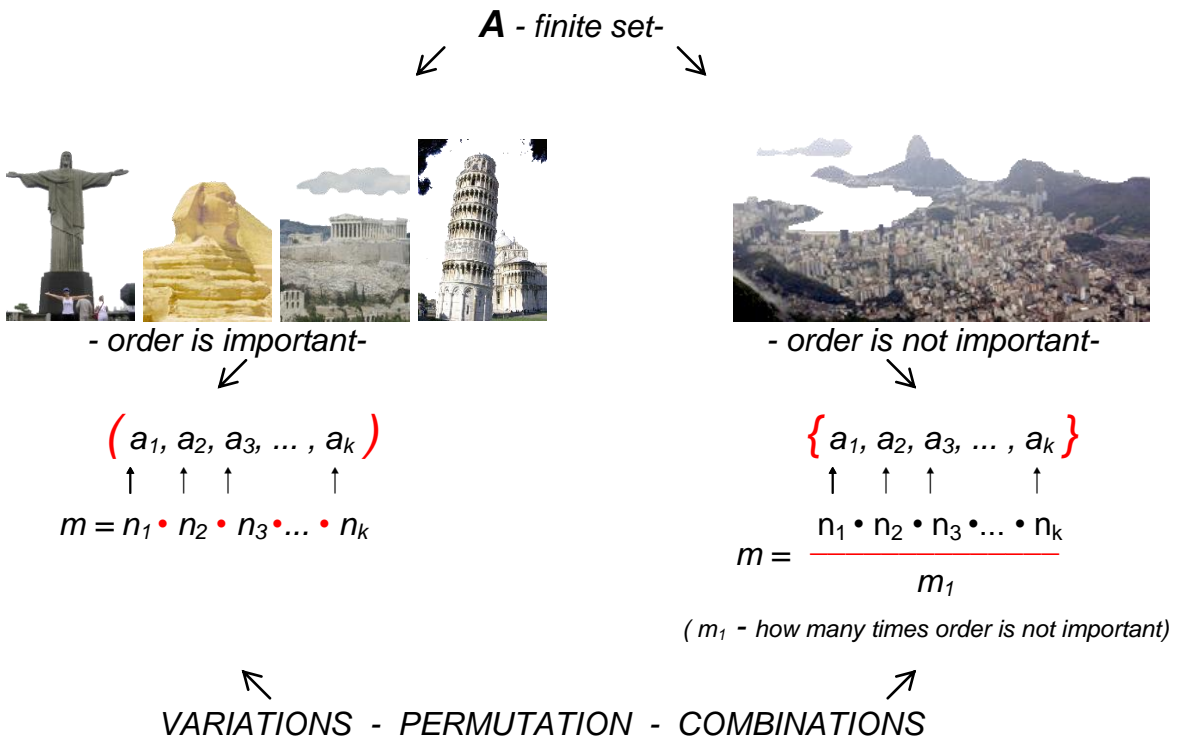


Vesna Babović, First Nis Grammar School Stevan Sremac, Niš, Serbia
 Title: ***In the world of combinatory through travelling, without formulas***

Introductory part contains a brief review of the recent research brain functions. Is the left side of brain mathematical (logical) and right side artistic (visual)? Previous experience shows us, if we connect logical and visual way of apprehension mathematics, we can make an easier process of mathematical education.

On examples of two different tourist offers, through presentation will be showed one of the models of introducing combinatory, which doesn't require the use of formulas. Model manages that students can make simple map of combinatory, which requires just knowledge of two items: the principle of multiplication and the order of elements.



A presentation contains two groups of examples (from life and mathematics) and the way how to deduce formulas.

The enrichment of mathematics can be easier if we use: pictures, colours, animations, visual way of comprehension, intuition, music,... Connecting mathematics with examples from life, learners can be included more easily in new topics, gaining knowledge and its practical usage.