

Good practices LOGIC_807AB_EN

Author's name and institution: **Zoltán Fehér**, J. Selye University, Komárno, Slovakia

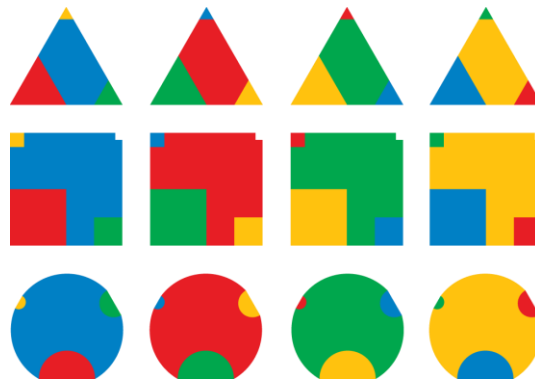
Description of the problem / exercise: **Create a series!**

The following tasks belong to the topic of logic and logical thinking. There are different variations of a series of elements created according to a logical rule.

Basic elements used: triangle. circle, square.

a) Using 4 basic elements from each of the three sets create three rows of a series of elements following the same rule in each row.

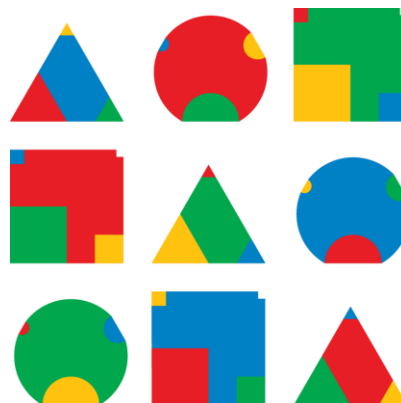
Possible solution:



b) Using 3 basic elements from each of the three sets create 3x3 layout where in each row and each column:

- a) every basic element has different forms
- b) every basic element has different base colors
- c) each of the large, medium and small forms have different colors

Possible solution:



- *Why this exercise is good:* The task develops students' problem solving, logical thinking, and inductive thinking.
- *Level of teacher training:* Primary school lower and upper grades
- *School subject(s):* Mathematics, logic