

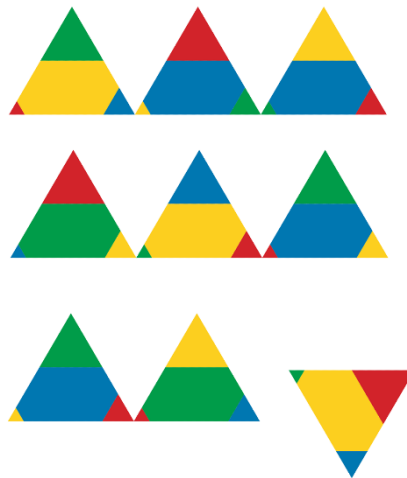
Good practices LOGIC_805AB_EN

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

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

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.

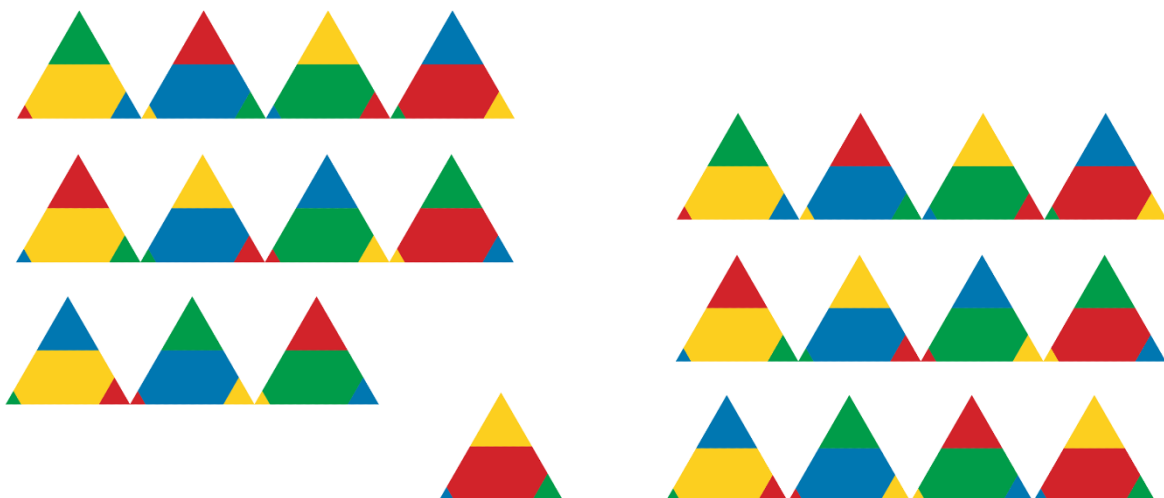
a) Using any of the 9 basic elements in the triangle set create a 3×3 layout where in each row and each column every form's size is in a different color.



The layout cannot be solved under the given conditions.

b) Using any of the 16 basic elements in the triangle set create a 4×4 layout where in each row and each column every form's size is in a different color.

c) Complete the 3×4 layout below with the missing item.



- *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