

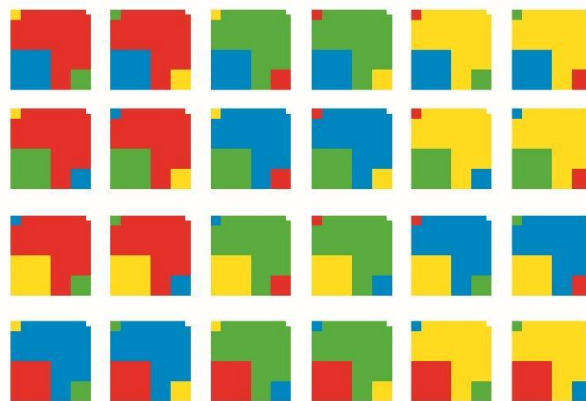
Good practices INTER_514AB_EN

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Description of the problem / exercise: **Poly-Universe in national colors**

The Poly-Universe basic elements were created by the inventor in 4 color combinations, i.e. 24 basic elements:

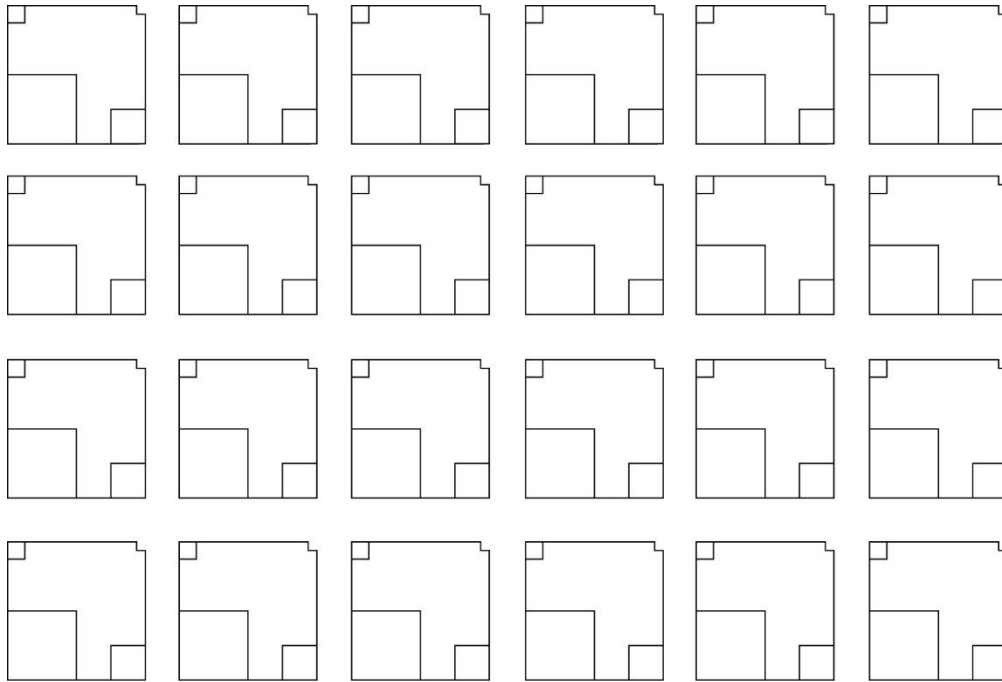


Task 1: Create Poly-Universe color combination game pieces in the national color of your country.

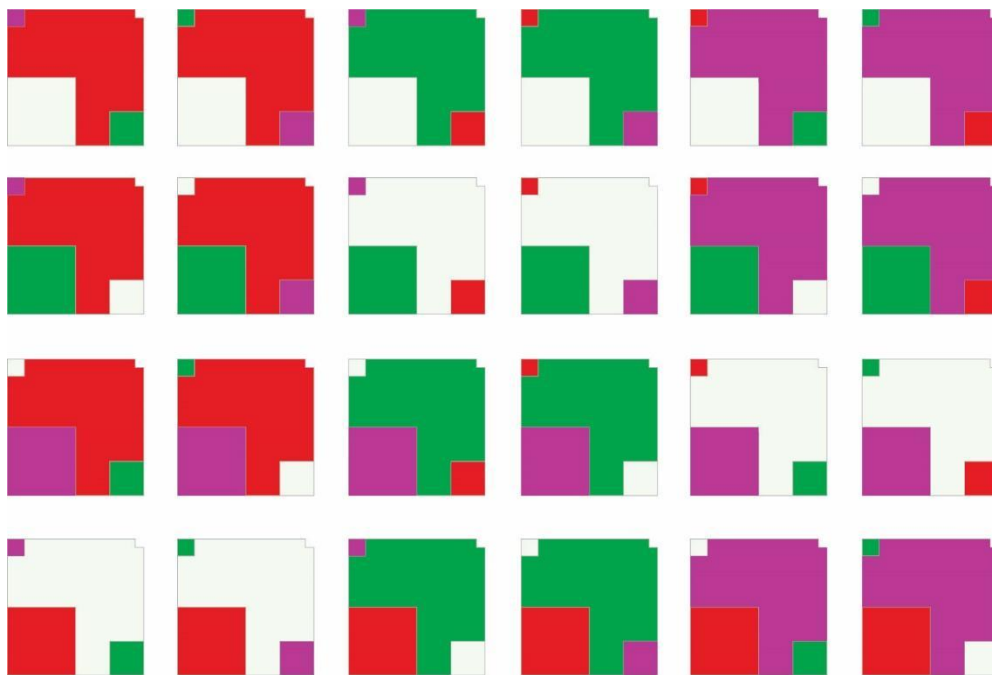
Let's take the national flag. If there are less than 4 colors on the flag, you can replace missing ones with neutral colors or shades e.g. grey, black, white, or incorporate your own favorite color as the fourth.



Once you have the 4 colors you need, color the bottom row with a pencil so that each basic element is only used once. For example, the Hungarian national color + pink should be your favorite color layout.



When you have found all the combinations, cut out the elements and you can play the Poly-Verse game. Example of the correct arrangement of the chosen national colors:



Task 2: Examine the colors of the national flags of all EU countries. Collect and note the different colors you find, paying attention to the differences in shades: e.g. BLUE can be light, dark, turquoise, parisian, sky blue, etc.

How many colors and shades can we distinguish in total?

Exercise 3: Repeat the first exercise with the colors of the country you like – or where you were on holiday last time.

- *Why this exercise is good:* The exercise is preceded by an environmental study and, in addition to nationality, it also reinforces a sense of belonging to the EU community. It motivates the children to use the national color to create their own play elements, while at the same time they gain experience in combinatorial and IT skills, as well as creativity.
- *Which level is recommended:* Primary school
- *School subject(s):* Environmental studies, history, geography, mathematics, art, IT
- *Comments:* The task can be solved in a team or individually, in a graphics program or in a dedicated application.