

Good practices LOGIC_817ABC_EN

Author's name and institution:

Ladislav Jaruska, Zoltán Fehér, JSU students, J. Selye University, Komárno, Slovakia

Description of the problem/exercise: **Poly-Universe Lord of the rings (PUSE 228C Task)**

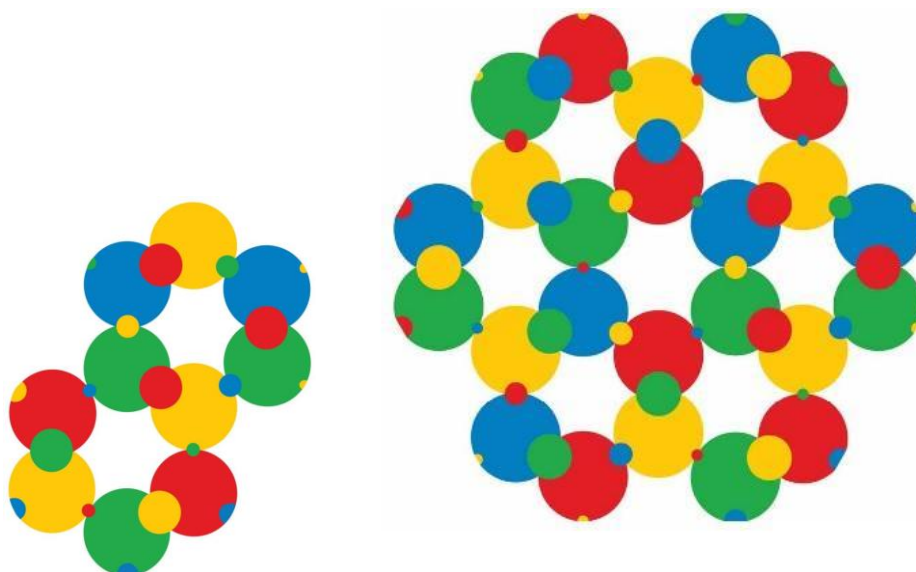
Basic elements used: Circle

Description of the task: At the entrance to Mordor, Frodo Baggins and Samu Csaveardi formed a unit of seven rings from the circles of Poly-Universe, which they wanted to throw into the lava of Mount Doom at the same time. On their way to the entrance of the mountain, the two heroes clashed with Gollum.

After a long duel, Frodo and Samu reached Mount Doom, only to discover that the Poly-Universe circles had fallen apart. Will you try to help them and thus defeat Sauron's army?

Using the 24 circular elements at your disposal, construct seven rings so that the vertices of the semicircles you have are connected to each other in a complete circle, forming smaller regular circles.

The complete circle fits should be of the same colour... Continue the exercise! One possible solution:



- *Why this is a good exercise: It introduces shapes and sizes in a playful way (construction). Using the given criteria, the learner has to group the elements, organize them and select the one that meets the requirements. They have to find several possible solutions. Develops visuality. Develop aesthetic sense, logical thinking, colour rhythm.*
- *At what level can it be used: Primary school, lower secondary school, high school*
- *School subject(s): Logical games, fine arts, literature*