

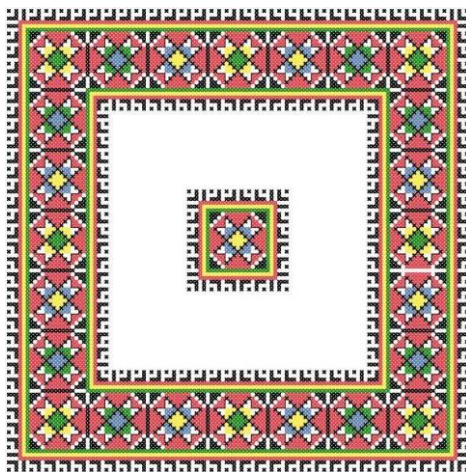
Good practices ARTS_305ABC_EN

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Description of the problem / exercise: **Change of scale in folk embroidery patterns**

According to the Poly-University game, look for scale-shifting arrangements in folk embroidery designs in your own landscape. If you find them, note them down, photograph them, draw them, and collect them together.



Let's also look for ones that are suitable for scale patterns, and let's adapt and create our own ideas. Draw them or visualize them using a computer graphics program. An example is a Bereg cross-stitch pattern from Hungary:



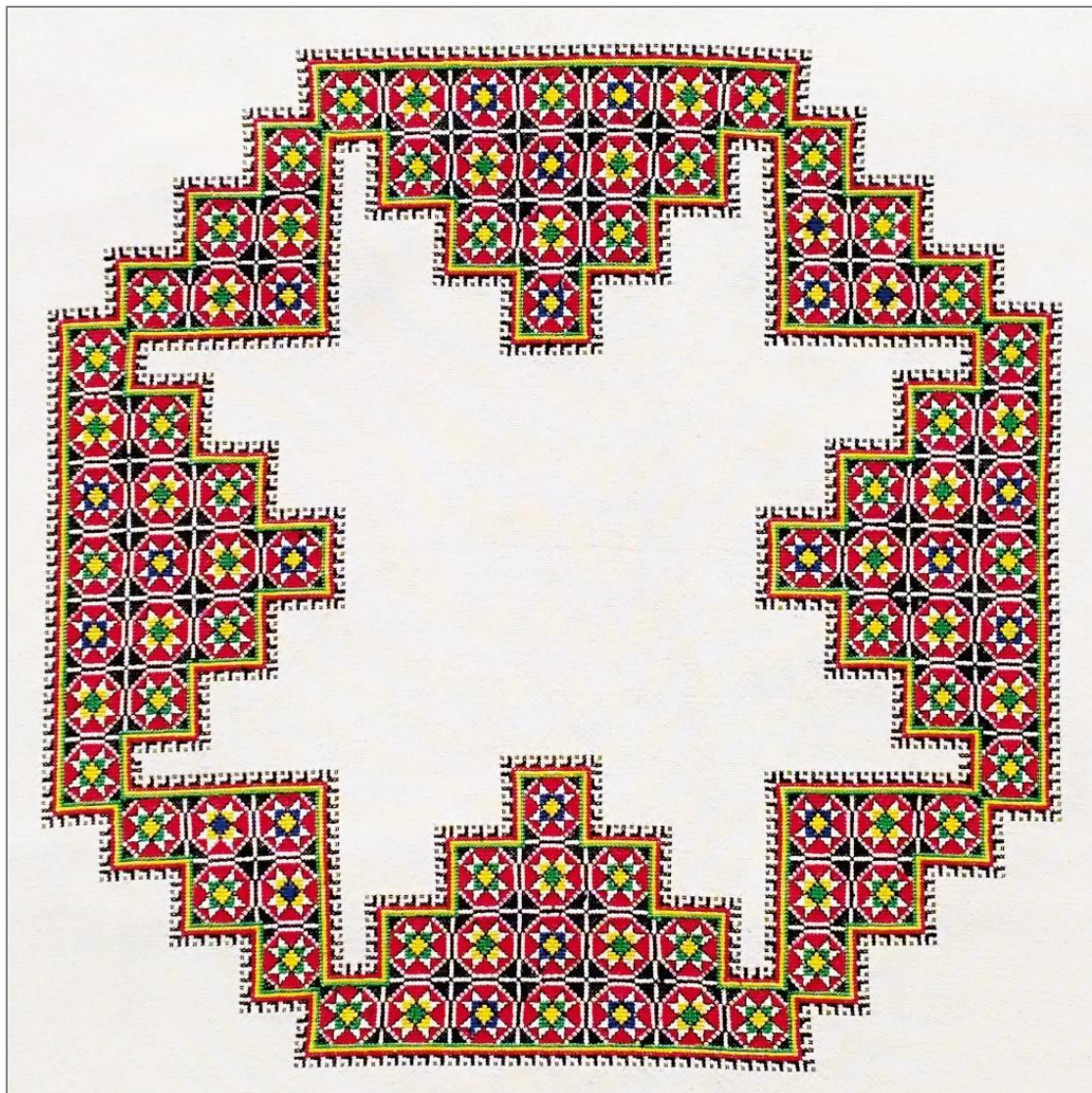


Figure: Bereg cross stitch, Star pattern and the resulting poly-dimensional tablecloth, central arrangement.
Created by Ilona Szécsi, Tarpa, Hungary in 1980s

- *Why this exercise is good:* The exercise is preceded by ethnographic research and, in addition to national belonging, as in the legacy of Bartók and Kodály in music, it also reinforces a sense of belonging to a larger community. It is motivating for the children to explore patterns according to nationality, ethnicity or even region, which they can use to create their own layouts and patterns, while at the same time gaining experience in geometry and computing, alongside creativity.
- *Which level is recommended:* Primary school, secondary school
- *School Subject(s):* ethnography, mathematics, art, computer science, design
- *Comments:* Prior knowledge of scale-shift symmetry is required. The task can be solved in teams or individually, using analogue or graphics software.