

**ZMATH 2013d.00900**

**Jagoda, Edyta**

**Substantial learning environment “tiles”.**

Ann. Pol. Math. Soc., Ser. V, Didact. Math. 32, 121-151 (2009).

Summary: The work with pupils within a substantial learning environment (SLE) “Tiles” in the frames of NaDiMa project is described in this paper. The idea of this SLE came to being on the basis of Swoboda’s researches and concerned building the ideas of isometric geometrical transformations. We showed that the SLE “Tiles” is didactically rich for both, the youngest children and older primary class pupils. It seems to build intuitions that help crossing the line between visual understanding of geometric transformations and dynamic thinking in geometry.

*Classification:* U62 U63 G92 G93

*Keywords:* learning environment; geometry; visual understanding; geometric transformations; dynamic thinking; tessellations; teaching-learning-process; tiles