

ABSTRACT

This thesis deals with construction of polygons with use of a didactic aid a geoboard at primary education. I have done analysis of three series of mathematics books in order to know, if they include possibility of mechanical work during construction of polygons. Based on study of professional literature related to teaching mathematics, mainly geometry at primary education, I have created patterns that can be used altogether with geoboard in mathematics. The patterns had been used in three classes thank to this I could have assess their practical use. Then I have corrected wrong instruction of patterns in order to be clear. Next I described three stages of beginning to work with geoboard that I have personally done and that are written in details in protocol. I have concluded didactic potential work with geoboard and theoretical obstacles while geoboard is using.