

## ABSTRACT

This thesis deals with the description of constructive approach to teaching mathematics in the third grade of primary school. Teaching mathematics is focused on geometry, specifically on one way of introducing the area of the scalene triangle which describes the relation between a side and its height and corresponding area. In the thesis I describe six particular lessons, their preparation, process of their realization and my own reflections. In these lessons, I analyse some cognitive phenomena as well as social relationships among pupils. Furthermore, I present a detailed examination of tasks from the final diagnostic test, in which I aim towards proving success of this method of teaching mathematics. After four years, I attempt to verify the permanency of the knowledge pupils gained in these particular lessons. I illustrate this by presenting analysis of additional exercises. The whole experimental process was led within the method of releasing parameter. Individual lessons were in accordance with given stages of this method, as described in specialised literature. I verified that the above mentioned method is applicable in teaching mathematics even in the third grade of the primary school.

## KEYWORDS

teaching styles, perimeter and area, square grid, polygon, method of releasing parameter