

ABSTRACT

The diploma thesis is aimed at reeducation of mechanical knowledge in the area of fractions. Since every student has different needs and pace in his/her process of gaining knowledge, the reeducation is set into their private supplementary tutoring lessons. In the theoretical part, the basic concepts (how is the private supplementary tutoring understood in this thesis, which students are taken into consideration, and what is mechanical knowledge) are explained based on Czech and foreign literary sources, subsequently, the constructivist way of teaching, which is suitable for the reeducation of mechanical knowledge, is described.

The second part of this thesis is constituted by the practical implementation of the theoretical findings into three case studies. Three students were diagnosed with mechanical knowledge in the area of fractions. Subsequently, their knowledge was being reeducated during their private supplementary tutoring lessons. The process of reeducation of each student is described in detail, moreover, a kind of manual describing what should not be avoided when dealing with this topic is included.