

ABSTRACT

The purpose of this diploma thesis is to explore method of teaching mathematics called Peer Instruction based on conceptual tasks. Diploma thesis explains the needs for its development, describes the misconceptions of students, which are the reason for changing the focus of teaching from passive learning to active participation. It also shows the usage of this method during the lesson. The main focus is the topic Divisibility of natural numbers. Slovak and Czech students textbooks are characterized concerning the possibility to be used in Peer Instruction teaching. The last chapter deals with using the conceptual tasks in the teaching process, which took place in two grammar schools.