ABSTRACT

The bachelor thesis is focused on the concepts of divisibility in Czech mathematics textbooks for lower secondary schools. Namely, it describes which divisibility rules they include, if pupils are led to participating on their derivation, how are the rules mathematically justified, which models are used in their explanation and if there are real word problems included in the textbook. The thesis is divided into two parts. The first part is theoretical and it introduces main concepts that are essential for the chosen topic. Its big part is dedicated to the divisibility, its characteristics and divisibility rules. The second part consists of the analysis of the selected textbooks focused on the divisibility rules. It was found that the selected textbooks differs not only in which rules they contain but also in the approach to studying the rules of divisibility. Diversity of approaches shows significantly in the number of models used to reasoning the divisibility rules.

KEY WORDS

Divisibility, divisibility rules, mathematics textbook, primary school