

## **ABSTRACT**

The Hundred Table environment is one of the mathematical environments created by the authors of mathematics textbooks published by FRAUS using the Hejný Method, and this paper investigates it further.

The theoretical section looks at the current teaching of mathematics and theories of pupils' cognitive process. It further defines the term 'table' and looks at work with it within FRAUS mathematics textbooks using the Hejný Method. Key here are tasks using the Hundred Table environment, which are further described according to type. The objectives of tasks using this environment are also stated. The theoretical section also gives a description of how Hundred Tables appear in various textbooks, materials and other mathematical situations.

The experimental section describes three experiments which I undertook to find an appropriate method for implementing Hundred Tables within teaching. I created a number of new tasks for these experiments and investigated what methods pupils used to solve these tasks.

## **KEY WORDS**

Hundred Table environment, motivation, pupils' cognitive process, table, task solving methods, mathematics textbooks for Primary School, ways of Hundred Tables, sum of centrally symmetric figures, rectangles in Hundred Tables