

Solving realistic tasks with the help of mathematical modeling among 4th graders

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Mathematics is a rich and interesting discipline for research. It provides many ideas and tools that are effective in solving problems that arise in other fields. With the knowledge of certain skills, a way to solve problem situations is found. Ideas, knowledge and skills should be encouraged from an early age in students. Mathematical modeling is an activity that appears as a set of thoughts when solving realistic tasks among students from lower grades in primary education. This paper deals with that topic.

After a series of consultations, conversations, surveys among us, teachers, we decided to conduct a survey among the students of the 4th grade. In support of this interest, research was carried out to solve realistic tasks among students from the Elementary School "St. Kliment Ohridski" in Ohrid. The analysis of these studies gives a special picture of the importance of introducing mathematical modeling in everyday teaching practice.

The paper consists of four parts: theoretical approach to the problem, research methodology, analysis and interpretation of the results and conclusion. Some discoveries about learning and teaching mathematical modeling in primary school are presented here. The goal is to implement these conclusions and ideas in the overall education of the teacher and the student.