

The aim of this degree thesis was creating a collection of solved exercises in Mathematics. This compilation is for pupils because it contains a lot of solved exercises and for primary school teachers as an inspiration for creating their own exercises. Main accent is placed on connecting Mathematics with real life and with other subjects taught at secondary school. The collection contains a number of problems describing situations from our real lives. The typical exercise of such a situation is buying of all kinds of goods, price reductions of goods, paying for goods in instalments and so on. The whole collection is divided into four parts. The first part contains exercises on usage of maps, determination of distance, usage of time tables and work with text. In the second part there are exercises on usage of plan with gauge and calculations of surfaces and volumes of geometrical objects. The third part contains exercises on price reductions of goods and comparison of values according to given criterion. In the last part we can find exercises on calculations of surfaces and volumes of geometrical objects, buying of all kinds of goods and price reductions of those goods.