

Abstract

The bachelor's thesis deals with children's perception of the whole and its parts, when working with worksheets. Worksheets are not understood separately, but are integrated in a specific didactic structure within a school project focused on Prague's legends. The work presents a selection of activities formulated to the created worksheets, which are solved by different approaches.

The presented work is based on the theoretical part which is focused on preschool children, pre-mathematical literacy and worksheets. The practical part consists of the created worksheets, tasks and their characteristics. The use of worksheets during practise in kindergarten was monitored in a qualitative research on a sample of thirteen preschool children of one kindergarten. All worksheets were debating the matter of "the whole and its parts", each in a different way. The solution process presupposes activities connected with comparison, reasoning, with arrangement, sorting, assembly and decomposition. The process of solving tasks by children is recorded on video and then analyzed. The methods of solving the bachelor's task were research, qualitative research, observation, registration of observed phenomena, analysis and discussion. The data analysis divided the worksheets into usable in the original assignment and worksheets that require partial modifications. The analysis of situations and gained experience resulted in the presentation of proposals for modifications of worksheets and procedures and in didactic recommendations for practice.

Key words

Worksheets; Whole; Pre-mathematical literacy; Composition; Decomposition