

The aim of my thesis was a research of the particular nontraditional mathematical environment in the first grade of an elementary school. The environment supports the development of the number term and pre-algebraic imagination, organization, logic and combinatorial analysis. The thesis has 7 chapters. The preface brings the contemplation of the sense of the work; next two chapters are devoted to an experiments' description and analysis. In the final part of the work you can find the assessment of the experiments and the comparison between teacher's and pupil's attitude towards the research.