

The diploma thesis is based on the bachelor thesis "Individual déviations in the perception of configurations of objects when detennining their number". The diploma thesis deals with the role played by configurations in pre-school age, i.e. how children create such configurations. Subject to monitoring were configurations of six small spot. The manner of creating the configurations was left to the children.

The theoretical part focuses mainly on the évolution of cognitive processes and on the création of concept-fonning process relating to numerals in the case of pre-school children.

The theoretical part is followed by a description of an experiment conducted on two samples of 99 five- to six-year children. The diploma thesis not only defines configurations, but also reveals the création stratégies and relates the children's work with the concept-forming process of number 6.

Key words: pre-schooler, number concept, number model, perception, configuration, determining object numbers, stratégie for problém solution