MENTAL CUTTING SKILLS OF SCIENCE TEACHER CANDIDATES

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Abstract

Mental cutting skill is being studied as a sub-dimension of spatial visualization. Spatial visualization emerges as a component of the spatial ability. Skill of mental cutting is more associated with the subject of mathematics in literature, all areas of science where mathematics is used, the geometry of the sub-branches are concerned about the spatial relationship closely. In this context, it is important to development of spatial ability, and hence to increase the mental cutting ability in science (physics) to study the problem, and everywhere it is used geometry for science teacher candidates. The aim of this study is investigated to mental cutting skills of science teacher candidates according to some variables. The participants of the study created science teacher candidates who were studying in the faculties of education in a state university. Personal information form and mental cutting test (MCT) are used as a data collection tools. The collected data were analyzed by SPSS package, interpreted and recommendations have been developed in line with the conclusions reached.

Keywords: Science knowledge, teacher candidate, mental cutting skill.