

## INVESTIGATION OF THE CREATIVITY OF 7TH GRADE STUDENTS' PROBLEMS POSING IN GEOMETRY

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### Abstract

In this study, problems which students have posed in geometry were examined for creativity. In order to analyze the creative thinking skills of students, fluency, flexibility and novelty (originality) components were examined. The study group of this study consisted of students ( $n = 50$ ) who were in the seventh grade in 2016-2017. In order to obtain the data the problem posing situations were formed. The problem posing situations are about angle and circle subject. The researcher asked the students to generate their own problems. The problems were investigated for creativity. In the analysis of the qualitative data obtained in the research, content analysis technique was used. Obtained data are expressed in the context of certain categories and concepts. Students have shown that there is a very missing data and information in the problems they have posed. Research has shown that students are not too fluent in posing problems. As a result, this study has enabled the students to reveal their creativity and skills in the problems they have in geometry.

**Keywords:** Problem posing, creativity, geometry, middle school.