

ANALYZING SECONDARY SCHOOL STUDENTS' MATHEMATICAL PROBLEM-SOLVING ATTITUDES IN TERMS OF CERTAIN VARIABLES

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ABSTRACT

This research study aims to examine secondary school students' mathematical problem-solving attitudes in terms of certain variables. The study was carried out to determine whether the students' mathematical problem-solving attitudes differ or not in terms of the variables of gender, grade, attending nursery school, parents' education level and mathematical achievement. The research sample consists of the students enrolled in the different grades of randomly chosen secondary schools in the European side of Istanbul during 2013-2014 academic year. The research data were obtained using the "Mathematical Problem Solving Attitude Scale" developed by Canakci and Özdemir (2011) and a personal information form. The statistical analyses of the research data were performed with the package program of SPSS 19.0. The research findings are expected to contribute not only to the literature but also to the planning of teaching process taking into account the students' mathematical problem-solving attitudes. The findings were discussed for further research and researchers in accordance with the relevant literature.

Key Words: Mathematics, Maths Problem, Mathematical Problem-Solving Attitude, Secondary School.