

An Investigation of High School Students' Mathematics Fears According to Some Variables

By

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Abstract

One of the aims of the research was to investigate whether high school students' fears of mathematics differ significantly based on the level of their parental education, gender, subject matter division (science-mathematics, Turkish-mathematics, social) and capabilities of the mathematics teachers' (from perspective of the students). Another aim was to investigate whether the grades of mathematics was the main factor of fear of mathematics (why division, parental education level, and capability of teacher made a significant difference on mathematics fear). In this study, 60 students have been included from Burdur Province of Turkey. "Demographic Information Form" and "Mathematics Fear of Secondary School Students" scales were used for the measurements. T-test and one way ANOVA were employed. According to the results presented, there is a significant correlation between the fear of mathematics fear and the other variables, except the gender variable. Considering the results of the analyses related to "how these factors have affected the fear of math", it was determined that the main factor affecting the fear of mathematics was the grades of math.

Keywords: *Fear of math, mathematics achievement*