

Achievement in Mathematics and its Relationship with Thinking Skills

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Abstract

This research aims at finding out the possible relationship between achievement in mathematics and performance in thinking skills. The sample of the study consisted of 241 sixth grade students in Basic Education, males and females, from different official schools in Damascus. The research postulated that there are many reasons behind the low achievement of students in mathematics. These reasons have an overall negative effect on the performance of students in thinking skills. The research also tried to answer the following question: Are there any gender-based differences in the level of achievement in mathematics and in thinking skills.

The results show the following: there is a positive correlation between achievement in mathematics and in performance in thinking skills; the gender factor also had an effect on the achievement in mathematics and on thinking skills; the level of achievement in mathematics (low, medium, and high) has an effect on thinking skills performance.

For the paper in Arabic see pages (19-69)