

The Effect of Use of Purposeful Homework and Follow It Up at Conceptual Assimilation and Academic Self in Mathematics for The Intermediate First Grade Students.

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- **Abstract:** The present research aims to identify " The Effect of the use of purposeful homework and follow it up at conceptual assimilation and academic self in Mathematics for the Intermediate first grade students". The research was applied to a sample consisting of (104) students, randomly distributed into two groups (53) students as an experimental group and (51) students as a controlled group, the researcher has followed the experimental design with two equal groups. The two groups were statistically rewarded in several variables before the start of the experiment, including (age in months, previous attainment rate in mathematics, (Raven matrix) is used for measuring intelligence, etc..., also the researcher has prepared the necessary research requirements as: - Determine the scientific material (content). - Preparing the teacher's guide to teach the two groups, as well as preparing research tools (conceptual comprehension test, academic self-concept scale) with acceptable levels of validity, consistency, difficulty and distinction of its paragraphs. The results showed that the students in the experimental group are better than their peers in the controlled group in the conceptual assimilation test and the academic self-measure in mathematics, and this means that there is an effect of purposeful homework on conceptual assimilation and academic-self in Mathematics among first-grade intermediate students. So, the researcher recommends the need to organize Awareness courses and workshops to learn and train mathematics teachers and directing them to use the purposeful homework and follow it up in Mathematics classes.
- **Keywords:** Experimental group, Controlled group, Scientific material