

A Study of Logical Thinking Skills (Mathematics Achievement) of Grade Five Students in the Schools of Pazundaung Township and Yankin Township, Yangon Region

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Abstract

This research work aimed to study the Logical Thinking Skills in mathematics of grade five students in the schools of Pazundaung Township and Yankin Township. The specific aims were to investigate the logical thinking skills in mathematics of grade five students grouped by gender, school level and students' attitudes towards mathematics according to the students' questionnaire. Participants in this study were (196) grade five students from the schools of Pazundaung Township and (260) grade five students from the schools of Yankin Township in Yangon Region. They were selected by using simple random sampling method. Quantitative study was conducted to obtain the required data. The instrument used in this study was based on the logical thinking skills questionnaire for students developed by Khin Mar Ni (2008). This questionnaire was based on Piaget's four logical operations: classification, seriation, logical multiplication and compensation. Using SPSS version 16, descriptive statistics were calculated for quantitative data. The independent sample *t*-test and one-way ANOVA were also used. The result in this study showed a great demand for teaching strategies which gave full value to children's mathematical thinking as well as logical thinking should be developed.

Key words: students' attitudes towards Mathematics, logical thinking skill

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