

Effectiveness of Problem Solving Method in Mathematics Learning

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Abstract

The purpose of the paper is to investigate the effectiveness of problem solving method on academic performance of students in the learning of mathematic in Grade 8. In this study experimental study was used. The experimental study investigates the effectiveness of problem solving method in teaching Grade 8 mathematic. The selected sample students are grade 8 from Basic Education Post Primary School (Lay Htee), Hmawbi Township and Basic Education Post Primary School (KoloneKwin), Hmawbi Township. Based on students previous chapter end test scores of experimental group and control group wererandomly assigned as the experimental group and the control were divided randomly. The two groups were randomly assigned as the experimental group and the control group. The content area for both group is chapter (6) and (7) Algebraic Equation from Grade 8 Mathematics. The experimental group of each school was taught with problem solving method. Then students in the control group were taught the same chapter using thetraditional method. At the end of the research period a posttest was administered in bothgroups. According to experimental study, the posttest mean score of the experimental group was significantly higher than the mean score of the control group for each school. These findings showed that the problem solving method has significant effect on the experimental group. Therefore, it was concluded that the problem solving method contribute to success in teaching learning process.

Key words: problem solving, experimental study, Algebraic Equation

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