

PRAKAI SRI KANTONG : A COMPARISON OF MATHEMATICS LEARNING
ACHIEVEMENT OF MATHAYOM SUKSA ONE STUDENTS WITH DIFFERENT
REARING PRACTICES AND GUARDIANS' EDUCATIONAL BACKGROUNDS.
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The purposes of this research were :

1. To compare the mathematics learning achievement of mathayom suksa one students with different rearing practices.
2. To compare the mathematics learning achievement of mathayom suksa one students with different guardians' educational backgrounds.
3. To study the interaction between rearing practices and guardian's educational backgrounds on mathematics learning achievement of mathayom suksa one students.

The subjects were 644 mathayom suksa one students which were multi-stage stratified random sampled from secondary schools under the jurisdiction of the Department of General Education, Bangkok Metropolis in academic year of 1990. One of the research instruments was the self-reported child rearing practice questionnaire which had the reliability of 0.84. The other two research instruments were the questionnaire on guardians' educational backgrounds and a mathematics learning achievement test which were constructed by the researcher. The mathematics learning achievement test which had validity and the reliability of 0.82, the level of difficulty from 0.23-0.78 and the power of discrimination from 0.23-0.61.

The findings of this study were as follows :

1. The students with different rearing practices achieved differently on the mathematics learning achievement test at the 0.05 level of significance.
2. The students who have guardians with different levels of educational backgrounds achieved differently on the mathematics learning achievement test at the 0.05 level of significance.
3. There was significant interaction between rearing practices and guardians' educational backgrounds on mathematics learning achievement of the students at 0.05 level.