

THESIS TITLE : A COMPARISON OF LEARNING ACHIEVEMENT IN MATHEMATICS OF
PRATHOM SUKSA VI STUDENTS BETWEEN USING THE COMIC
BOOKS AND THE CONVENTIONAL INSTRUCTION

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ABSTRACT

The purposes of the present study were to construct comic books to be used in the instruction of mathematics on the percentage problems for Prathom Suksa VI students, and to compare Prathom Suksa VI students' learning achievement in mathematics on the percentage problems between learning from comic books and conventional method.

The samples comprised of 84 Prathom Suksa VI students of Choom Chon Khong Wittaya School, Umphur Khong, Changwat Nakorn Rajasima, during the second semester of the 1997 school year. They were purposively sampling and then randomly divided into experimental and control groups of 42 students each. The experimental group was taught by applying comic books and the control group by conventional method.

The instruments used in the experiment comprised of 1) conventional lesson plans, 2) comic books entitled "Noo Jaew Goes to the Market" and "Noo Jeaw the Proficient" which bore an effectiveness index of .63, 3) mathematics achievement test for Prathom Suksa VI which bore a difficulty level of .21-.73, discrimination power

Research procedure employed in the study was the pretest- posttest equivalent-group design. The SPSS FOR WINDOWS computer program was employed in the analysis of the data collected to determine arithmetic mean and standard deviation and to compare mathematics achievement of the two groups by mean of the t- test.

The results showed that the experimental group which was taught by employing comic books had a significantly higher learning achievement than the control group at the .01 level of significance.