

Peeriya Pantasan 2010: The Study of Mathematics Learning Achievement on “Fraction” of Mathayomsuksa One Students at Thamuangwittayakhom School, Changwat Roi Et by Using Activities Supplementing Mathematics Skills and Procedures. Master of Education (Teaching Mathematics), Major Field: Teaching Mathematics, Department of Education. Thesis Advisor: Mrs. Chanisavara Lertamornpong, Ph.D. 158 pages.

The purposes of this research were to study the mathematics learning achievement on fraction by using activities supplementing mathematics skills and procedures and to study skills and procedures ability of mathayomsuksa one students at Thamuangwittayakhom School, Changwat Roi Et.

The sample was 42 mathayomsuksa one students in the second semester of the academic year 2009 at Thamuangwittayakhom school, Changwat Roi Et. This sample group was selected by cluster random sampling from two classrooms. The research instruments were lesson plans, the 17 items of mathematics learning achievement test, self assessment form and students’ observation scale for behaviors reflecting mathematics skills and procedures. The data were analyzed by percentage, mean, standard deviation, and t-test.

The research finding revealed that mathematics learning achievement was higher than 60 % at .01 level of significance and the students had the ability on problem solving, reasoning and justification, communication, presentation and interpretation of mathematics knowledge, capacity to relate various disciplines within mathematics and outside, and creative thinking.

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Thesis Advisor’s signature