

Somchok Khamkam 2013: The Study of Mathematics Learning Achievement of Mattayomsuksa Five Students on “Permutations and Combinations” by Selected Teaching Strategies at the Demonstration Nakhon Pathom Rajabhat University School, Changwat Nakhon Pathom. Master of Science (Mathematics Education), Major Field: Mathematics Education, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Kannika Kongsakorn, M.S. 158 pages.

The purposes of this research were (1) to study of mathematics learning achievement of Mattayomsuksa Five Students before and after learning by selected teaching strategies and (2) study of mathematics learning achievement of Mattayomsuksa Five Students after learning with 60% of the criterion by selected teaching strategies.

The sample group was 40 students selected by purposive random of Mattayomsuksa Five Students in mathematics and science program who enrolled in the first semester of the 2011 academic year at the Demonstration Nakhon Pathom Rajabhat University School. Teaching by selected teaching strategies. The research instruments were (1) 15 periods of lesson plans and (2) the 30 items of mathematics learning achievement test.

The result showed that (1) mathematics learning achievement of students on “Permutations and Combinations” by selected teaching strategies after learning was higher than before learning at the .05 level of significance and (2) the mathematics learning achievement of students on “Permutations and Combinations” by selected teaching strategies after learning was higher than 60% of the criterion at the .05 level of significance.

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Thesis Advisor's signature