

Thesis Title Improving of Mathayom Suksa 1 Mathematics Instruction on
Integers at Takpittayakom School, Tak Province

Author Miss Prisana Winosuya

Degree Master of Education (Mathematics Education)

Thesis Advisor Assoc. Prof. Sunthon Chanakok

ABSTRACT

This classroom action research intended to improve mathematics instruction on the topic “Integer”, targeting on correct concepts and computational skill. The researcher taught the class of 45 Mathayom Suksa 1 students at Takpittayakom School in Tak Province during the first semester of the academic year 2003. Instructional activities laid emphasis on that the students learned through concrete material and concluded by themselves the knowledge gained. Emphasis was also on the training of subskills before describing of examples and doing exercises. Learning material containing exercises with varied difficulty was newly prepared according to the change of sequence of content. Assessment during learning was more often performed to advance learners. Data were collected by observing, checking students’ exercises and testing, interviewing, and by reading the students’ journals. The data were then classified, analyzed, and presented as narrative text.

The results suggested that the majority of students very well possessed the concepts of multiplication and division of integers. Their possession of the concepts of comparison, addition, subtraction, and absolute value of integers were quite good, but the concepts regarding the properties of integers were just fairly good. Their performance of skills regarding multiplication and division of integers were well satisfied, and skills regarding comparison, addition and subtraction were also satisfied. The students were well able to use and apply the properties of integers in their calculation.