TITLE : A Study of Mathematical Thinking about Counting Number and Calculation for first grade students

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ABSTRACT

The purposes of This research were to study the idea of mathematical counting number and numeracy for first grade. Students of the sample used in the study first grade 43 students at second semester of academic year 2558 from Srikosumwittayamittapab 209 School Kosumphisai district Mahasarakham province Which Cluster Random Sampling of one classroom, from The classification of knowledge level of knowledge. Student understanding using test scores in math first semester into three groups: group I, moderate and mild. These samples Simple (Simple Random Sampling), a group of three people, including a 9 person (case study) to study and analyze traces of thinking. Behavior that reflects the thinking of math students. Use video recording The instrument used in this study were a test of mathematical thinking. The statistics used in this study were frequency, percentage, mean and standard deviation. Data were analyzed using descriptive statistics and case study method. presented by descriptive analysis.

Results were as follows The results showed The number of students who are thinking about math, counting and calculation. The ability to focus on solving mathematical problems. The number of students in the great and the good. 33.33 per cent and 11.11 per cent at some level need to be improved. 22.22 per cent focused on the ability to reason mathematically. The number of students is very good. 11.11 per cent level at 55.55 percent and 11.11 percent average improvement. And 22.22 per cent of capacity. The emphasis on math communication The number of students is very good. 11.11 per cent level at 44.44 percent and 22.22 percent average improvement accounted for 22.22 percent, based on the level of knowledge. Understanding of the

students found that students excel. With the emphasis on mathematical thinking to solve mathematical problems. 91.67 percent is very good. Mathematical Reasoning 67.59 percent in math and communication. 66.67 percent at a good level. The students are able to solve mathematical problems requiring accurate and complete. There is a commitment and willingness to think. Can read and write Understanding a problem, plan your strategy accordingly. With the implementation of the plan and offer ideas on how to explain to others understand correctly and clearly. Intermediate students With the emphasis on mathematical thinking to solve mathematical problems. 68.52 percent at a good level. Mathematical Reasoning 62.96 percent in math and communication. 60.19 percent at a good level. The students are able to solve mathematical problems requiring accurate, but also incomplete. There is a commitment and willingness to think. Can read and write Understanding a problem, plan your strategy accordingly. With the implementation of the plan, but a wrong operation and can offer ideas on how to explain to others understand correctly, but it is unclear and weak students. Thinking math scores Focused on solving mathematical problems. 32.41 percent is in need of improvement. Mathematical Reasoning 35.19 per cent in the need to improve communication and math. 30.56 percent is in need of improvement. The student group has no confidence ADHD not read. Write a few words Understanding the problem Planning and Strategy But inappropriate With the implementation of the plan, but did not choose the right tactics and the issue is not resolved. And can not offer ideas on how to explain it to someone else.