

Abstract

Research name: The development of mathematical problem solving skills by using cooperative learning STAD technique of Mattayomsuksa 2 students.

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Period of study: 2010

The purpose of this research was to develop mathematical problem solving skills by using cooperative learning Student Teams Achievement Division (STAD) technique of Mattayomsuksa 2 (grade 8) students. The sample was 36 students, using simple random sampling technique from three classrooms at Demonstration school of Suansunandha Rajabhat University, Bangkok province. The research was conducted in the second semester of 2010 academic year. The instrument used for collecting data were a lesson plan using cooperative learning technique (STAD) from mathematics having 4 sub-lesson plans, and an achievement test.

The finding was that the mathematical problem solving skills after using cooperative learning STAD technique was higher than the pretest at the level of .05 statistical significance. The study of the opinions of students on the learning activities. Found that the students have gained much more knowledge. Learning in group helped students exchange their ideas, new methods of problem solving, being fun in cooperative learning, students also worked together and can help each other, the work was done faster. But there are some students commended that they do not have to do this activity, but they can work. Difficult for one student, other students did not help. This learning activities waste the time. For other comments, activities should have more space or wider classroom. Increasing time for learning activities should be provided, and various examples should be taught to students