

##C340688 : MAJOR ELEMENTARY EDUCATION  
KEY WORD: COOPERATIVE LEARNING/STUDENT TEAMS-ACHIEVEMENT DIVISIONS/  
MATHEMATICS/PRATHOM SUKSA

PIYAPORN RATTANAKORNKUL : EFFECTS OF COOPERATIVE LEARNING BY  
STUDENT TEAMS-ACHIEVEMENT DIVISIONS ON MATHEMATICS LEARNING  
ACHIEVEMENT OF PRATHOM SUKSA THREE STUDENTS. THESIS ADVISOR : ASST.  
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The purposes of this study were to study:

1. The effect of cooperative learning by student teams-achievement divisions on mathematics learning achievement in teaching multiplication and division of Prathom Suksa Three students.
2. The role of cooperating in group work of Prathom Suksa Three students in cooperative learning by student teams-achievement divisions.

The findings were as follows:

1. Students learned from cooperative learning by student teams-achievement divisions on mathematics learning achievement had higher learning achievement than students learned by teacher's manual at 0.05 level of significance.
2. After students learned from cooperative learning by student teams-achievement divisions, the high, moderate and low level of learning achievement students had role of cooperating in group work at high level. As the high level of learning achievement students had role of cooperating in group work on assisting their friends at high level, the moderate and low level of learning achievement students had role of cooperating in group work on accepting the members' points of view at high level.