

PONGLADA TANCHAROEN : EFFECTS OF USING CALCULATORS ON ACHIEVEMENTS IN MATHEMATICS PROBLEM-SOLVING WITH DIFFERENT LEVELS OF DIFFICULTIES OF PRATHOM SUKSA SIX STUDENTS WITH DIFFERENT MATHEMATICS LEARNING ACHIEVEMENT. THESIS ADVISORS : ASSO. PROF. SOMJIT CHIWAPRECHA, PP. 299 ISBN 974-579-928-9

The purpose of this study was to determine effects of using calculators on achievement in mathematics problem-solving with different levels of difficulties of Prathom Suksa six students with different mathematics learning achievement.

The results are as follow:

1) The high, moderate and low-learning achievement students using calculators have not achieved in mathematics problem-solving with low difficulty greater than the students not-using calculators at .05 level of significance.

2) The high and moderate-learning achievement students using calculators have not achieved in mathematics problem-solving with moderate difficulty greater than the students not-using calculators at .05 level of significance. However, the low-learning achievement students using calculators have achieved in mathematics problem-solving with moderate difficulty greater than the students not-using calculators at .05 level of significance.

3) The high, moderate and low-learning achievement students using calculators have not achieved in mathematics problem-solving with high difficulty greater than the students not-using calculators at .05 level of significance.

4) The students using-calculators have not achieved in mathematics problem-solving with low difficulty greater than the students not-using calculators at .05 level of significance.

5) The students using-calculators have not achieved in mathematics problem-solving with moderate difficulty greater than the students not-using calculators at .05 level of significance.

6) The students using-calculators have not achieved in mathematics problem-solving with high difficulty greater than the students not-using calculators at .05 level of significance.