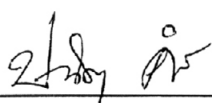


Panadda Khampakdee 2006: The Development of Computer-assisted Instruction in Mathematics on Addition and Subtraction for Preschool Children. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Narong Somphong, Ph.D. 107 pages.
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The purposes of this study were 1) to develop computer-assisted instruction in mathematics on addition and subtraction for preschool children; 2) to compare the scores before and after studying in mathematics for preschool children by computer-assisted instruction and learning in classroom, and 3) to compared learning achievement in mathematics on addition and subtraction for preschool children by computer-assisted instruction with learning in classroom.

The sample was preschool children in second semester academic year 2005 from Bharat Vidyalaya School Bangkok by simple random sampling. Thirty students were assigned to the experiment group and 30 students were assigned to the control group. The data were analyzed by t-test.

The results were 1) learning achievement by computer-assisted instruction was higher than learning in classroom, and 2) the mean score after studying by computer-assisted instruction was significantly higher than before studying at .05 level.



Student's signature



Thesis Advisor's signature

26 / 5 / 2006