

Ruwalee Maneerat 2010: The Study of Mathematics Learning Achievement of Mathayomsuksa Three Students on “Probability” by Using Multimedia at Wichienmatu School, Changwat Trang. Master of Education (Teaching Mathematics), Major Field: Teaching Mathematics, Department of Education. Thesis Advisor: Assistant Professor Chanon Chuntra, Ph.D. 164 pages.

The purposes of this research were to study mathematics learning achievement on “Probability” by using multimedia and to study students’ opinions related to learning activities on “Probability” by using multimedia of mathayomsuksa three students at Wichienmatu School, Changwat Trang.

The population was 480 mathayomsuksa three students in 12 classrooms at Wichienmatu school in the second semester of the academic year 2009. The sample group was 40 mathayomsuksa three students in one classroom at Wichienmatu school in the second semester of the academic year 2009 that was selected by cluster random sampling from 12 classrooms. The instruments in data collection consisted of 10 lesson plans on “Probability”, constructed multimedia, the mathematics learning achievement test on “Probability”, and students’ questionnaire toward learning activities on “Probability” by using multimedia. Percentage, mean, standard deviation, and t – test were used for analyzing data and presented by tables and description.

The research result showed that the mathematics learning achievement of mathayomsuksa three students on “Probability” by using multimedia after learning was higher than before learning at the .05 level of significance and the mathematics learning achievement after learning was higher than 60% at the .05 level of significance and almost all students totally agreed that the learning activities were appropriate.

---

Student’s signature

---

Thesis Advisor’s signature