

Vanna Rojanaburanon 2014: A Development of Analytical Thinking Test for Mathayomsuksa 1-3 Students at Kasetsart University Laboratory School, Center for Educational Research and Development. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor: Associate Professor Sujin Liengjaroonrat, Ph.D. 97 pages.

The main purpose of this study was to develop the test and construct norms of the test in analytical thinking for Mathayomsuksa 1-3 students at Kasetsart University Laboratory School, Center for Educational Research and Development. The sampling group was 787 Mathayomsuksa 1-3 students at Kasetsart University Laboratory School, Center for Educational Research and Development, sampled by cluster random sampling technique. The research instrument was the analytical thinking test for Mathayomsuksa 1-3 students which consisted of multiple choice questions. The test's content validity and difficulty was evaluated and discrimination was checked by Point Biserial Correlation Coefficient. Its reliability was assessed by Cronbach's Alpha Method. The norms at the grade level were created in Normalized T-score and the handbook of the analytical test was written.

The results revealed that every item in the test had the validity in its content. The difficulty of the test was 0.43-0.80 while the discrimination index was 0.22-0.70 and the total reliability of the test was 0.83. For the norms of the test, Mathayomsuksa 1 students had Normalized T-score of 23.4-78.8, Mathayomsuksa 2 students possessed Normalized T-score of 21.0-79.0, and Mathayomsuksa 3 students acquired Normalized T-score of 21.2-78.8.

---

Student's signature

---

Thesis Advisor's signature