

EFFECTIVENESS OF ONLINE-BASED LEARNING TOOLS ON MATHEMATICS ACHIEVEMENT SCORES OF HIGH SCHOOL STUDENTS

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The study focused on the effectiveness of online-based learning tools (OBLT) on Mathematics achievement scores of high school students. The study looked into: (1) the levels of self-awareness in using OBLT; (2) factors that show effectiveness in using OBLT; and (3) the significant difference of the math achievement before and after using the OBLT. The study was conducted in a Grade 10 class that underwent the following : a pre-test on self – assessment on the effectiveness of the OBLT; instructions for awareness on using OBLT; and a post - test on self – assessment and a survey on the factors of the effectiveness of using the OBLT. The significant findings after the exposure on OBLT were: 1) students are highly aware of the effectiveness of using the OBLT; (2) the factor that affects learning the most in using the OBLT is the content; and (3) there is a significant difference of the Mathematics achievement before and after the exposure to OBLT.