

AN APPLICATION EXAMPLE FOR TEACHING UNIT FRACTIONS IN THE 5E MODEL

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Abstract

Fractions have an important place in mathematics lessons and everyday life. In order to minimize the misconceptions about unit fractions which are one of the building blocks of the subject of fractions, a 5E model teaching environment was planned from the constructivist approach models. The lesson plan was applied to the 5th grade students in the form of teaching experiment. In the context of the teaching experiment, the activities were organized according to the 5E model steps. It is aimed to develop mathematical knowledge in various ways and means in the achievements of the students in the unit fractions. In the evaluation phase of the 5E model application, WebQuest, a web-based project, is prepared. Grade 5 students were observed during the course of the application and investigator diaries were kept. According to the findings, it was observed that the students showed great interest and motive in all the applied stages. In the evaluation step, it was determined that all of the groups were successful in comparing in unit fractions.

Keywords: 5E teaching model, unit fractions, teaching experiment.