



UNIVERSITI TEKNOLOGI MARA

**THE EFFECTIVENESS OF USING COMPARTMENT
IN ADDITION OF TWO PROPER FRACTIONS
WITH DIFFERENT DENOMINATORS UP TO 10: A
CASE STUDY AMONG YEAR 4 PUPILS IN
SK (A) DATUK HAJI ABDUL KADIR HASSAN,
KUCHING**

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ABSTRACT

Reflections on teaching and learning found that many of the students find it difficult to add two fractions with different denominators. Various types of errors can be detected through observation, interviews and analysis of documents such as work sheets, exercise books and diagnostic tests. Therefore, this action research is undertaken to help improve the skills of students in Year 4 to add two fractions with different denominators up to 10. Study participants were guided to master the skills of adding fractions using Compartment. Study participants consisted of 35 pupils of researcher himself. Collecting data using test instruments and analysis of documents. The qualitative data were analyzed descriptively according to survey participants. The study found that interventions used successfully to help all study participants master the skills of addition of fractions with different denominators. Property concrete materials and tools is a major force Compartment. In addition, there are still some weaknesses that can be improved for future research.

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CHAPTER 1

INTRODUCTION

1.0 Introduction

Mathematics education is one field that train our minds to think logically and systematically. This is consistent with the educational goals of which is to develop mathematical thinking accomplice, analytical, systematic, critical, problem-solving skills and the ability to apply knowledge of mathematics so that people can function effectively in everyday life (Ministry of Education, 2000).

Nowadays, mathematics is one of the main domains and is widely used by all levels of communities. All activities closely related to mathematics. A long ago people only thought that mathematics is calculation, but the role played by mathematics covers a wide types of activities such as data processing, simulation, decision-making and communication (Noraini Idris, 2005).

Although the use of mathematics has been developed in the areas of life, discusses the issue of mathematical problems are growing each day especially the achievement of our pupils in mathematics. Our pupils face many difficulties in mastering mathematical knowledge.

Facts, algorithms, concepts, relationships between concepts and problem solving are categorized in mathematical knowledge. By combining all these skills, pupils will be able to find the answer to the math skills they have learned. In this case, the most important skill in completing the addition of two proper fractions with