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**ENHANCING THE PROBLEM-SOLVING SKILLS OF THE GRADE 5 PUPILS IN SOLVING ROUTINE WORD PROBLEMS INVOLVING ADDITION OF DISSIMILAR FRACTIONS USING THE BUTTERFLY METHOD**

**JHONEL C. TANGONAN**

**Teacher III**

Pungto Elementary School - DepEd Bacarra District II

[jhonel.tangonan@deped.gov.ph](mailto:jhonel.tangonan@deped.gov.ph)

**ABSTRACT**

Math excellence can bring positive change in developing countries, but poor learner performance in Mathematics is a global concern. The Philippines scored lower than any other country in Grade 4 Math and Science assessments. Education is faced with the current global health crisis caused by COVID-19. The mean and the mean percentage score were considered to determine the significant change of the skill. In the pretest, the Grade 5 pupils obtained a mean of 10.67 with a descriptive interpretation of good level. Whereas, after the implementation, the posttest scores illustrated that there was an increase of the scores. As evidence, the Grade 5 pupils attained a mean of 17.87 with a descriptive interpretation of excellent level. To determine the significance, the Unpaired T-test results indicate 95% confidence interval of the pretest and the posttest. These are the significant findings of the study. The study found out that the Butterfly Method as the proposed innovation, intervention, and strategy in addressing the least mastered competency: Solving routine problems involving addition and subtraction of fractions using appropriate

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problem-solving strategies and tools (M5NS-If-87.2) is evidently effective in enhancing the problem-solving skills of the Grade 5 pupils. As evidence, the results of the unpaired T-test show the 95% confidence intervals for the pretest and posttest. Besides, a mean percentage score of 89.33% on the posttest indicates a 36% improvement over the mean percentage score on the pretest. Furthermore, the conference call as a supplemental means in employing the strategy is equally essential in the realization of the aim of the study based on the comments of the pupils. It was recommended that Mathematics teachers should be trained and re-trained school through workshops and seminars like In-Service Training for Teachers and Learning Action Cell (LAC) Sessions on the application and use of Butterfly method in their classrooms.

**Keywords:** *Butterfly method, Conference Call, fraction, performance, innovation*

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