



ASSESSING THE MATHEMATICS TEACHING STRATEGIES OF TEACHERS AS CORRELATES TO THE PERFORMANCE OF COLLEGE STUDENTS: A GUIDED WORKBOOK

JOMMEL MATRIXE B. BAUTISTA

Dr. Francisco L. Calingasan Memorial Colleges Foundation, Inc.

ABSTRACT

Deficiencies in arithmetic operations with integers among students have become a pressing issue, with implications for their ability to excel in higher mathematical concepts and real-world problem-solving. This study investigates strategies to strengthen students' proficiency in integer operations. The researcher is now challenge by the pupil's perception to the arithmetic operations with integers. This study utilized the descriptive methods of research involving twenty-two (22) grade 7 students from the Tuy, and Nasugbu Campus of Dr. Francisco L. Calingasan Memorial Colleges Foundation Inc. The following are the results of the study: Most of the respondents are on the age of 13, and the number of boys and girls are equal 50% boys, and 50% girls. The respondents agreed that real-life application, conceptual changes, and mathematical connections help them understand arithmetic operations easier. There is no significant difference in the perception of the respondents to the Arithmetic Operations with Integers when profile is considered. Interactive learning activities are designed by the researcher based on the results of the study.

Keywords: *Arithmetic operations with Integers, Real-life Application, Conceptual Changes, Mathematical, Connections, Interactive Learning Activities*

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan

Associate Editor: Andro M. Bautista

Managing Editor: Raymart O. Basco

Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez,
Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas,
Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza