



**De La Salle University - Dasmariñas**

**A Comparative Study of the Effect of Taped Math Tinik TV Program and  
the Conventional Method of Teaching Mathematics Among  
Fourth Graders at La Huerta Elementary School**

**Parañaque City**

**A Master's Thesis**

**Presented to**

**the Faculty of the Graduate School of Education Arts and Sciences**

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**In Partial Fulfillment**

**of the Requirements for the Degree**

**Master of Arts in Education**

**Major in Educational Management**

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**ABSTRACT**

**NAME OF INSTITUTION** :De La Salle University-Dasmariñas

**ADDRESS** :Dasmariñas, Cavite

**TITLE** :The Effect of Taped Math Tinik TV Program and the Conventional Method of Teaching Mathematics Among Fourth Graders at La Huerta Elementary School Parañaque City

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**OBJECTIVES OF THE STUDY**

**A. GENERAL**

To determine the effect of taped Math Tinik TV Program and the Conventional Method of teaching on the academic achievement in mathematics, specifically in the learning areas in multiplication, division, fractions and decimals.



**B. SPECIFIC**

1. What are the pretest mean scores in mathematics of both the control and the experimental groups?
2. Is there a significant difference between the pretest mean scores in mathematics of both the control and the experimental groups?
3. What are the posttest mean scores in mathematics of both the control and the experimental groups?
4. Is there a significant difference between the posttest mean scores in mathematics of grade four pupils taught with taped ABS-CBN Math Tinik TV program and the posttest mean scores in mathematics of grade four pupils taught with the conventional method of teaching?
5. Is there a significant difference between the pretest and the posttest mean scores in mathematics of the pupils taught with the conventional method of teaching?
6. Is there a significant difference between the pretest and the posttest mean scores in mathematics of the pupils taught with taped ABS-CBN Math Tinik TV program?



## METHODOLOGY

The study used the quasi-experimental method with Matching Only-Pretest-Posttest Control Group Design. The statistical tools applied in the study were mean and t-test for dependent and independent means.

## MAJOR FINDINGS

1. The computed mean of the pretest scores of the control group was 73 whereas that of the experimental group was 73.3.
2. The computed mean of the posttest scores of the control group was 78.3 while that of the experimental group was 80.95.
3. The academic achievement mean score of the experimental group (80.95) was higher than the academic achievement mean score of the control group (78.3) by 2.65 at 0.05 level of significance.
4. The control group obtained pretest and posttest mean scores of 73 and 78.3, respectively. The computed t-value of 13.78 was greater than the critical value of 2.09.
5. The experimental group had its pretest and posttest mean scores of 73.3 and 80.95, respectively. There was an increase of 7.65. The computed t-value of 34.62 was greater than the critical value of 2.09 at 0.05 level of significance.



### CONCLUSIONS

1. The experimental and the control groups had the same pretest performances in mathematics, specifically in the learning areas in multiplication, division, fractions and decimals.

2. Taped ABS-CBN Math Tinik TV program was generally effective in improving the academic achievement of grade four pupils in mathematics, specifically in the learning areas in multiplication, division, fractions and decimals.

### RECOMMENDATIONS

1. Taped ABS-CBN Math Tinik TV program, which is a latest technology should be considered by teachers for more frequent use in any mathematics classrooms.

3. Similar studies be conducted using larger samples so that more general conclusions can be drawn regarding taped ABS-CBN Math Tinik TV program.