

CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

According to some learned people, the word "Education" has been derived from the Latin term "Educatum" which means the act of teaching or training. A group of educationists say that it has come from another Latin word "Educare" which means "to bring up" or "to raise". According to a few others, the word "Education" has originated from another Latin term "Educere" which means "to lead forth" or "to come out". All these meanings indicate that education seeks to nourish the good qualities in man and draw out the best in every individual. Education seeks to develop the innate inner capacities of man. By educating an individual we attempt to give him some desirable knowledge, understanding, skills, interests, attitudes and critical thinking. That is, he acquires knowledge of history, geography, arithmetic, languages and sciences.

He develops some understanding about the deeper things in life, the complex human relations, and the cause and effect relationship and so on. He gets some skills in writing, speaking, calculating, drawing, operating some equipment etc. He develops some interests in and attitudes towards social work, democratic living, co-operative management and so on. As an individual in the society, he has to think critically about various issues in life and take decisions about them being free from bias and prejudices, superstitions and blind beliefs. Thus, he has to learn all these qualities of head, hand and heart through the process of education.

1.2 STATEMENT OF THE PROBLEM

Effectiveness of Number Games to Teach Arithmetic at Class 4 level

1.3 OBJECTIVES OF THE STUDY

- 1) To study the effectiveness of number games in terms of achievement in Arithmetic
- 2) To study the Reactions of students towards number games in Arithmetic

1.4 HYPOTHESES

The researcher selected null hypotheses

H₀ There will be no significant difference between the mean scores of pre-test and post- test of the students.

H₀ There will be no significant difference between observed frequency and frequency expected on equal probability hypothesis.

1.5 DELIMITATION OF THE STUDY

The Study is delimited to Gujarat board 4th standard students of the primary school.

1.6 RATIONALE OF THE STUDY

The current research aimed at knowing the effectiveness of number games to teach arithmetic at primary level. Learning Arithmetic by using number games is more effective than traditional way, sometimes children can be bored during same traditional way to learn mathematics. Children cannot focus in classroom during traditional method of learning. We all know that children enjoy playing games. Experience tells us that games can be very productive learning activities. Children do learn through games more effectively. So the researcher has selected the current topic.

1.7 SCHEME OF CHAPTERIZATION

Chapter-1: Introduction begins with an introductory note of the problem of study. It also states the objectives of the study, delimitation of the study, hypotheses, rationale of the study. Research Design, Population, and Tool for data collection of the study.

Chapter-2: Conceptual framework and review of related literature focuses on two parts, conceptual framework and research reviews. It includes theoretical background of the study and different studies reviewed for the present work.

Chapter-3: Research Methodology focuses on the methodology adopted in the present study. It describes in detail the research design selected for the present study, tools used and procedure adopted for data collection and data analysis.

Chapter-4: Analysis and Interpretation analyses the data and interpret based on the calculated scores of pretest and posttest.

Chapter-5: Findings, Suggestions and Conclusion are the last chapter which deals with the findings and implications of the study. It also presents some suggestion for future studies that can be undertaken in the field.

1.8 CONCLUSION

This chapter mentions all important aspects related to the research. The researcher presented information about the introduction, research problem, objectives, hypotheses, delimitation, rationale of the study and scheme of Chapterization.