

A Study of Problems Faced by Students of Standard 7th in Learning Mathematics of Thakur Vidyamandir High School

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Abstract: *The aim of the present study is to find out the problems faced by students of standard 7th in learning mathematics. The sample selected were sample comprised of 30 students both male and female from Thakur Vidya Mandir High School of standard 7 from batch 2019-2020. The present study result reveals that Students are more interested in geometrical topics. Students find that word problems are more time consuming. Sometimes due to Lost in mathematics students are unable to complete the exam paper*

Keywords: Secondary level, identify the various problems faced by the students in subject mathematics

I. INTRODUCTION

The teaching and learning of mathematics, like any other subject, requires that both the teacher and learner communicate effectively. The Mathematics curriculum for secondary schools in India aims to develop individuals who are able to think

Mathematically, practice mathematical expertise correctly in fixing issues and making decisions, and face the challenges of everyday life brought about by the advancement of science and technology. But still we can see that many students Face problem in solving mathematical equations. So this is the research conducted at secondary level School to identify the various problems faced by the students in subject mathematics.

1.1 NEED OF THE STUDY

The researcher felt the need to conduct a research on the problems faced by students of class 7th in learning mathematics as she had observed the common issue between the students. The researcher also found out that the students were facing learning issues in mathematics which also affected their overall grade.

1.2 RESEARCH QUESTIONS

The following research questions served as a guide for the study:

- What instructional challenges do student-teachers of mathematics do encounter in teaching mathematics?
- What are the common issues faced by students that make them fear the subject of mathematics?

1.3 STATEMENT OF THE PROBLEM

- A Study of Problems Faced by Students of Standard 7th in Learning Mathematics of Thakur Vidyamandir High School".
- Conceptual Meaning and Operational Definition

LEARNING: Learning is the process of acquiring new understanding, knowledge, behaviours, skills, values, attitudes, and preferences.

SSC: SSC or Maharashtra SSC is the Secondary School Certificate (SSC) Examination conducted under the Maharashtra Board.

SUBURBS: Suburbs is an outlying district of a city, especially a residential one.

1.4 OBJECTIVES OF THE STUDY

- To identify the problems among the students related to mathematics.
- To identify the common issues of the students in a particular topic of mathematics.
- To identify the most preferred topics of mathematics by the students.
- To explore the different ways of teaching which can help students to learn mathematics easily.

1.5 SCOPE OF THE STUDY

- The researcher selected the target population as students from the age of 12 to 14 years in standard 7 in Thakur VidyaMandir High School. The target of student included both boys as well as girls living in the suburbs of Mumbai.

1.6 LIMITATIONS OF THE STUDY

- The researcher focus only on the the topic problems faced by the students.
- The study is limited to Thakur Vidya Mandir High School.
- The study is limited to SSC Board only.
- The study is limited to English Medium only.

1.7 SIGNIFICANCE OF THE STUDY

- The study will be significant to the students of Thakur VidyaMandir High School, teachers well as School administration.
- The results of the study will help the teachers and Institutions to understand the need of the student in much better manner.
- The results from the study will provide the students an opportunity to assess their learning preferences. Students will develop a sense of responsibility towards their own learning and at the same time it will help them to cope up with the problems in mathematics.
- The findings from this study will also benefit teachers as it will provide a platform to understand the students learning styles much better.
- The school administration will also find the study to be beneficial as it can identify the problems being faced by the students in learning mathematics.

1.8 RESEARCH DESIGN FOR PRESENT STUDY

The research design used by the researcher is Descriptive survey method and questionnaire method to collect the data.

1.9 SAMPLING FOR PRESENT STUDY

The sample comprised of 30 students both male and female from Thakur Vidya Mandir High School of standard 7 from batch 2019-2020.

Random sampling method is used for the collection of data in this project.

1.10 TOOLS OF RESEARCH FOR PRESENT STUDY

For the present study a questionnaire was prepared to conduct the study. There were 20 number of statements in all. Each statement had three options for giving the answer i.e yes/no/ sometimes.

1.11 TYPES OF RESEARCH METHODOLOGY FOR PRESENT STUDY

The researcher has used descriptive survey method for the research work.

1.12 PROCEDURE FOR DATA COLLECTION

The researcher studied articles, pdf of many author's research work on various problems faced by students in learning Mathematics and acquired knowledge about different issues and problems faced.

Then she discussed and decided sample, method and tool with the help of the guide teacher.

The researcher prepared questionnaire for the action research topic, decided the format for the research rating scale.

The questionnaire was checked and approved by the guide.

The researcher selected one school- Thakur VidyaMandir High School, Kandivali east for the survey.

The researcher met the Principal of the school to take permission to conduct the survey. (Permission letter attached as per appendix A)

The researcher then formed a google survey form as a research tool. With the cooperation of the respective teacher and students questionnaire link was shared.

II. ANALYSIS AND INTERPRETATION OF DATA FOR PRESENT STUDY

The researcher has collected the data from a school and does the interpretation on the basis of responses collected. The researcher used the questionnaire method to collect the data of responses from the school. The interpretation is that students find it little difficult to solve calculations and sometimes they have comparatively low interest in mathematics due to heavy concepts.

III. MAJOR FINDINGS

The aim of the study is to explore the learning problems faced by the students of standard 7 in learning mathematics from a sample of total 40 students from Thakur VidyaMandir High School Kandivali East Mumbai. The finding of the study is revealed:

- Students are more interested in geometrical topics.
- Students find that word problems are more time consuming.
- Sometimes due to Lost in mathematics students are unable to complete the exam paper.
- Students find mathematics interesting.

IV. RECOMMENDATIONS

Recommendations is a requesting suggestion for better improvement Words free decided goal in objective.

The researcher has covered only a small area for topic “problems faced by students in learning mathematics“ of the students from Thakur Vidya Mandir High School, the research can be extended to other schools as well

- A comparative study can also be conducted between aided and unaided schools.
- A bigger sample size consisting of many more schools can be taken into consideration.
- A comparative study can also be conducted between students from Vernacular medium and English medium background.
- A comparative study can be made in the research between the students of Marathi Hindi and English medium schools.

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