



## ATTITUDE OF SECONDARY SCHOOL STUDENTS TOWARDS MATHEMatics

**Mr. Abhishek Banerjee**

*Scholar, School of Education, Maharaja Sriram Chandra Bhanja Deo University, Baripada.*

### Abstract

*The study aimed to find out the perception of secondary school students towards mathematic subject. To serve this objective a sample of 110 students were selected by simple random sampling method. A self-developed attitude towards mathematics scale (ATMS) was administered on the samples. The findings revealed that there is a significant difference between boys and girls students attitude towards science subject. Further, the students belonging to urban areas were better perception towards science subject.*

Keywords: Perception, Secondary school students and Science subject

### Introduction

The subject mathematics is one of the important subjects in the school education. Students are exposing different subject at schools level specially at secondary level. The students should be free from phobia of subject. No subjects are easy and difficult. It is the teacher who makes the subject easiness and toughness. So, mathematics teacher should have a good teaching strategy to make students easy to learn mathematics. Mathematics is the important aspect of human life. Students have a positive attitude towards mathematics (Behera, 2018). But students have phobia to learn mathematics. The teaching has a significant role to promote attitude towards mathematics. So, it is better to promote positive perception towards mathematics.

The purpose of the study is to find out the perception of secondary school students towards subject mathematics.

### Methodology

#### Design

The present research work is a descriptive survey type of research. The total sample consists of 110 students studying in Govt and private school of Baripada, Mayurbhjn district.

#### Tools

A self-developed Attitude Towards Mathematic Scale (ATMS) was administered to measure the attitude of students towards mathematics. The scale has total 35 items having 5-point rating scale Strongly Agree to strongly disagree. The reliability of the scale is 0.65 and it is highly valid.

### Analysis and interpretation

**Table-1, significance of difference in attitude towards mathematics between the boys and girl students**

Groups	N	M	S.D.	t-ratio	Level of significance
Boys	45	116.78	3.11	4.05	Sig at .01 level.
Girls	65	118.77	3.86		

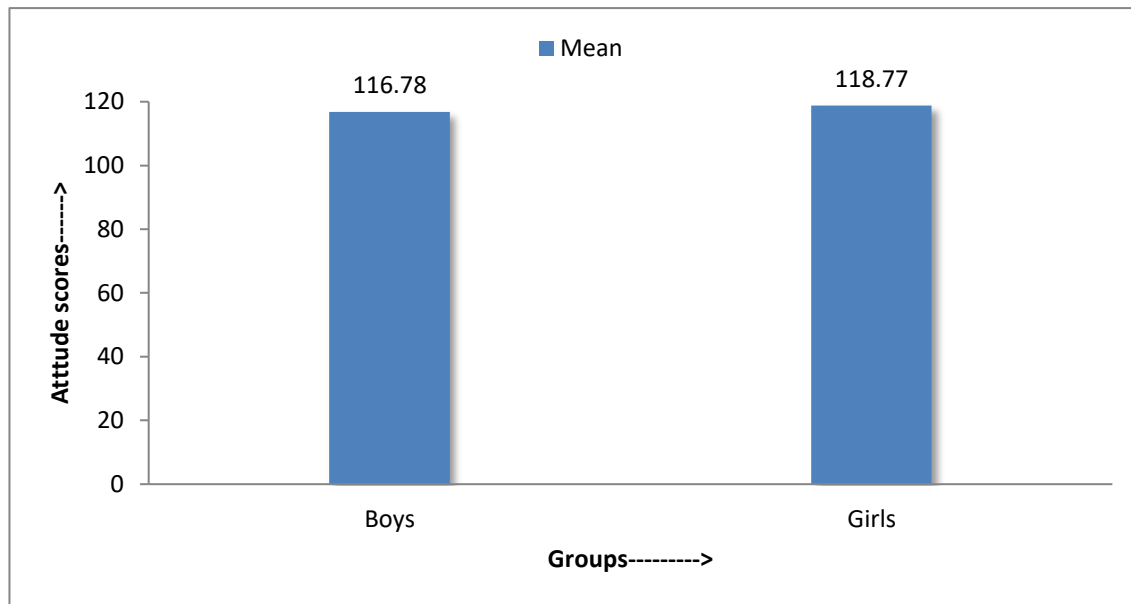
Table-1 denoted that the mean scores of boys and girls' attitude towards mathematics are 116.78 and 118.77 with SDs 3.11 and 3.86. The t-ratio came out from above two groups is 4.05 which is significant at .01 level of significance. That means there is a significant difference exist between these two groups of



students on their attitude towards mathematics. Secondary school students of both boys and girls have different attitude towards mathematics.

The mean scores of secondary school students of boys' and girls' group on their attitude towards mathematics depicted in the Table-1 is represented by the bar Fig.-1.

**Figure-1,Comparative bargraph showing mean attitude scores boys and girls secondary school students**



**Table-2, significance of difference in attitude scores beteen govt and private school students**

Groups	N	M	S.D.	t-ratio	Level of significance
Govt	40	113.86	2.72	2.16	.05
Private	70	110.43	2.51		

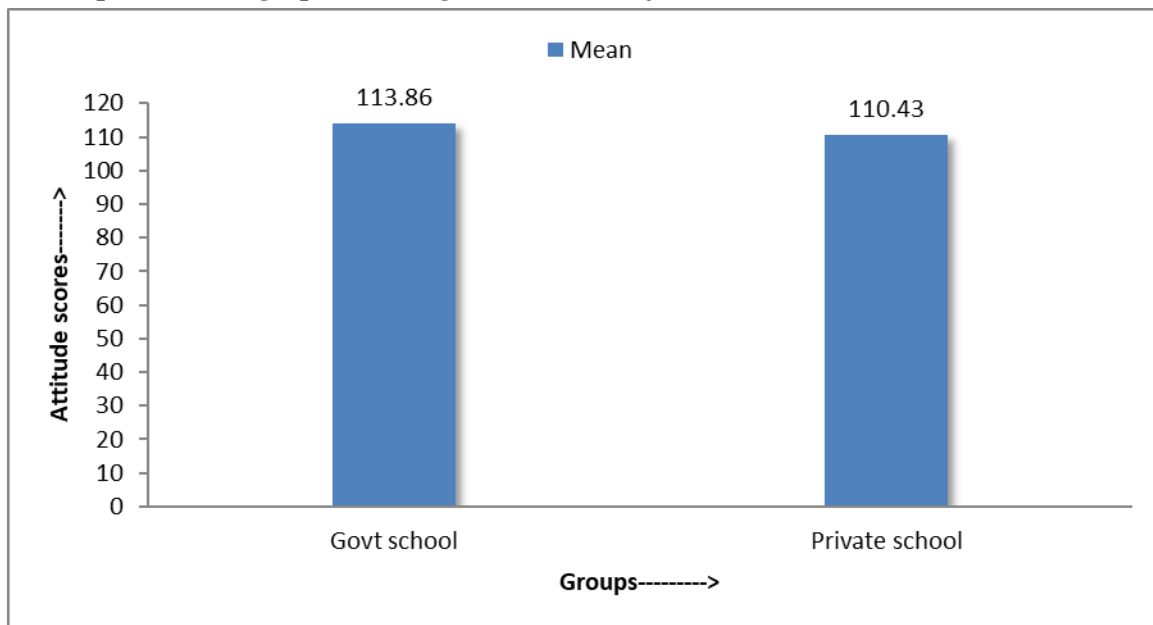
Table-2 denoted that the mean scores of govt and private schools' students' attitude towards mathematics are 116.78 and 118.77 with SDs 3.11 and 3.86. The t-ratio came out from above two groups is 2.16 which is significant at .05 level of significance. That means there is a significant difference exit between these two groups of students on their attitude towards mathematics. Secondary school students of studying in Govt and Private schools have different attitude towards mathematics.

The mean scores of secondary school students of govt and private school students on their attitude towards mathematics depicted in the Table-2 is represented by the bar Fig.-1.

The mean scores of secondary school students of govt and private schools on attitude towards mathematics depicted in the Table-2 is represented by the bar Fig.-2.



**Figure-2, Comparative bargraph showing mean scores of Govt and Private school students**



### Conclusion

The aim of the study was to find out the attitude of secondary school students towards mathematics. The result of the study shows that girls and private school students have a positive attitude towards mathematics as compared to their counterparts. Specifically, the result of the post-hoc means comparison was statistically significant. So, it is suggested to the school teachers, school authority, and administration that they should adopt a good teaching strategy to develop a positive attitude towards mathematics. The curriculum should also be framed in such a way that it promotes positive thinking towards mathematics.

### References

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