

INDUCTIVE AND DEDUCTIVE METHODS IN MATHEMATICS TEACHING

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Abstract: Researcher has tried to explore that mathematics as subject has certain aims of teaching which can also be termed as goal of subject. The achievement of goal is ascertained by testing the students performance at the end of the course for it exploratory research design has used and the results are present study that Inductive and deductive method of teaching in one pack which is the most appropriate and desirable for mathematics teaching.

Keywords and Phrases: Inductive, Deductive, Observation, Verification Generalization, Merits & Demerits.

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1. Introduction

The teaching of mathematics also involves different methods. The mathematics is taught at different levels of school education. No one single method is fully suitable or appropriate for each level. Thus, different methods are used for the students of different level. There are different methods of teaching mathematics for primary, secondary and higher level education as the students of each level differ in age, maturity, mental abilities, mental development, mathematical understanding etc. therefore, one method cannot be applied to teach mathematics to all the classes. Besides this, with the use of one method, all the students of a class cannot be equipped with equal amount of knowledge because individual difference lies among them. Individual difference is an important psychological phenomenon which affects teaching and its outcome to a great extent. According to Thorndike, "There is a much difference between lower and higher categories of students of the