

EFFECT OF DEMOGRAPHICAL VARIABLES ON INTEREST AND ATTITUDE TOWARDS MATHEMATICS AND ACADEMIC ACHIEVEMENT IN MATHEMATICS

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ABSTRACT

Students' Interest and attitude toward mathematics is a global issue that directly influences the students' achievement in mathematics. The study aimed to investigate the students' Interests, attitudes toward mathematics and the effects of demographic variables on their Interests and attitude and achievement in mathematics in the selected grade IX Students in palnadu Guntur district of Andhra Pradesh. Nowadays, many professions require mathematical analysis and anticipate mathematical ability to solve innovative difficulties. As a result, the current study is titled A Study of Secondary School Students' Interest Attitudes and Academic Achievement in Mathematics. The researcher randomly picked 800 secondary school students from Palnadu and Guntur districts in Andhra Pradesh. Dr Uma Tandon and Ashok Pal administered the Mathematics Interest Inventory. Dr Ali Imam and Dr Tahira Khatoon developed and standardized a mathematical attitude scale. The descriptive statistical analyses revealed that secondary school students' Interest in mathematics and attitudes toward mathematics have a strong relationship. Interest in mathematics and attitudes toward mathematics are positively associated. The second correlation is a significant positive relationship between Interest in mathematics and mathematical achievement. The third correlation is a favourable relationship between secondary school pupils' attitudes toward mathematics and their achievement in mathematics.

KEYWORDS: *Interest, Attitudes, Mathematics, Achievement in Mathematics*