

A Study of Mathematical Achievement of VIII Class Students of Kangra District

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Abstract: *Mathematical Achievement is the competency shown by the student in the subject mathematics. Its measure is the score on an achievement test in mathematics. The present study is based on the mathematical achievement of 8TH class students of Secondary School in Kangra District. A sample comprised of 200 students studying in class 8TH was selected randomly from Secondary schools of Kangra district. The research tool developed and standardized by Dr. Ali Imam and Dr. Tahira Khatoon was administered to the students. A descriptive research method was used in the present research. Statistical techniques Mean, S.D., and t-test were used to analyze the data. The result of the study shows that there is a significant difference between the mathematical achievements of class 8th students of secondary schools on the basis of their sex and social belongingness, however, it is interesting to know that rural male and urban male students are almost similar in their mathematical achievement scores.*

Keywords: Mathematical achievement, social belongingness, Parental education, Secondary School Students.

REFERENCES

- [1]. Balasubramanian, T. and Feroze, M. (1966): "A Comparative Study of the Academic Achievement in Mathematics of Urban and Rural Students of Standard X in the High Schools of Coimbatore", Journal of Educational Research and Extension, Vol. 3, No.1, p. 25.
- [2]. Baskaran, K. (1991): Achievement motivation, attitude towards problem-solving and achievement in mathematics of standard X students in Devekottai Educational District. In NCERT, Fifth Survey of Educational Research (p. 1863). New Delhi: NCERT.
- [3]. Gakhar, S.C. (1982): "A Study of Acquisition of Mathematical concepts among 8th Grader of different types of schools experiments in education, Vol.11, N0.9, pp. 164-167.
- [4]. Mangal, S.K. (2008): Educational Psychology, New Delhi: Prentice Hall of India Pvt Ltd., Eds.2008, pp. 393- 398.
- [5]. Mangal, S.K. (2009): Teaching of mathematics, Arya Book Depot: New Delhi, Eds. 2009, pp 3-11.
- [6]. Olof Bjorg Steinhorsdóttir, Bharath Sriraman (2003): Iceland and rural/urban girls- PISA examined from an emancipatory viewpoint The Montana Mathematics Enthusiast, Monograph 1, pp. 169-178
- [7]. Panda, B.N. (2002): "A study of Factors Affecting Pupils Achievement in primary schools of Orissa". Research project. RIE, Bhubaneswar, (N C E R T, ERIC funded): Indian Educational Abstracts: Vo1.2, No.2, July 2002, Abstract No: 185, PP 52-53.
- [8]. Patel, B. C. (2012). A Study of academic achievement of students in mathematics of Std-IX in relation to some psycho-social factors (Unpublished doctoral dissertation). Ganpat University, Ganpat Vidyanagar (Kherva).
- [9]. Patel, V. S. (2002): An investigation into the proficiency in the subject of mathematics of the primary school teachers. In NCERT, Sixth Survey of Research in Education. New Delhi: NCERT. 10. Pattison, P. and Grive, N. (1984): "Do spatial skills contribute to sex differences in different types of mathematical problems"; Journal of Educational Psychology, 76, P. 678-689.
- [10]. Prakash, S. (2000) : A study of mathematical creativity and achievement of elementary school students in relation to problem solving ability, anxiety and socio demographic variables. In NCERT, Sixth Survey of Research in Education. New Delhi: NCERT.

- [11]. Roach, D.A. (1979): "Effects of conceptual style Preference, Related cognitive variables and sex on Achievement in Mathematics" British Journal of Educational Psychology, Vol. 49, pp. 79-82.