



TEACHING OF MATHEMATICS AT ELEMENTARY LEVEL THROUGH MAKING CONNECTION BETWEEN PREVIOUS KNOWLEDGE IN MATHEMATICS AND ITS USE IN EXISTING SITUATION

Shahinshah Babar Khan
Pakistan Atomic Energy Commission Model College
Islamabad, Pakistan
babar_pmc@yahoo.com

Abstract

In Pakistan, the main aim of teaching mathematics as a compulsory subject at school level is to prepare such students who may survive in information and technological society. By applying mathematics students can check the reality of the things by themselves and gain confidence for future. With the changing scenario, teaching with traditional methods is losing its credibility. New innovations are empowering teaching methods and are producing better results. For the present study, two classes of grade 8 students were selected and named: experimental group and control group. Experimental group was taught through connecting the present situation with the previous knowledge in mathematics, while control group was taught with traditional method. Pretest-posttest method was used. Results were analyzed by applying z-test. On the pretest both the groups were equal in performance. After pre test, experimental group was taught by the researcher while control group was taught by the equally qualified teacher. The experiment duration was eight weeks and on post-test it was found that the experimental group performs better as compared to control group.

Key Words: Mathematics, Prior Knowledge of Mathematics, Traditional Teaching.