

LEARNING OF MATHEMATICAL CONCEPTS IN RELATION TO PROBLEM SOLVING SKILLS AMONG SECONDARY SCHOOL PUPILS

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ABSTRACT

Mathematics with all its branches plays an important role in everyday life. It is created to investigate the whole range of knowledge. Learning mathematics is basically a constructive process, which means that pupils gather, discover, create mathematical knowledge and skills mainly in the course of some social activity that has purpose consequently mathematics classroom instruction should move away from the information transmission model. Meaningful and authentic context should play a crucial role in mathematics learning and teaching, therefore, we need an integrated approach to mathematics teaching.

Problem solving is an integral part of developmental activities and provides opportunities for children to practice what they have learned by applying their learning situations. The amount of practice needed by any learner is reduced if he understands the concepts and skills to be practiced. How can we make our students good problem solvers in mathematics? This is possible only when we make mathematics education more meaningful and interesting. Mathematical abilities like logical thinking, rational reasoning, concentration of mind, orderly presentation, precision and accuracy, analytical and inductive skills, and above all general problem solving abilities. So the present study is intended to learning of mathematical concepts in relation to problem solving skills among secondary school pupils.

KEYWORDS: *Learning mathematical concepts, Problem solving skills, Secondary school pupils.*