

**MATHEMATICAL CONCEPT PRACTICES BY OUT OF SCHOOL CHILDREN IN BADI
COMMUNITY**

Thesis

**Submitted for the partial fulfillment of the requirement for the Master's degree in
Education (specialization in Mathematics Education)**

Submitted by

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LETTER OF CERTIFICATE

This is to certify that Mr. Bhupendra Joshi, a student of academic year 2068-2070 with campus Roll.197, T.U. Registration No.9-1-21-475-2004, Exam Roll No. 281497 and Thesis No. 1023 has completed this thesis under my supervision during the period prescribed by the rules and regulation of Tribhuvan University, Nepal. This thesis entitled "**Mathematical Concept Practices by Out of School Children in Badi Community**" has been prepared based on the results of his investigation. I recommendation and forward that his thesis submitted for the evaluation as the partial requirement to award the Degree of Master of education in mathematics.

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'**Mathematical Concept Practices by Out of School Children in Badi Community**' has been approved for the partial fulfillment of the requirement for master's degree in mathematics education.

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ABSTRACTS

The main objective of this study was to identify and explore the mathematical concept practices by out of school children of Badi community in Bajhang District. In this study, counting, measurement system and four mathematical operations of addition, subtraction, multiplication and division were examined for out of school children of Badi community.

This study was conducted with the sample size of two non-schooling Badi children of Bajhang district as a case study. The children were selected the basic of purposively sampling. Observation, interview, interaction, photographs were applied to investigate their learning of mathematical skill Vygotsky's social constructivism theory was applied to analyze the data.

This study found that the out of school Badi children have basic mathematical knowledge like counting, measuring, addition, subtraction, multiplication and division. They have learnt those skills and knowledge as they interacted being familiar with their environment or their adults. All these skills and knowledges which needed for them were learnt mostly from experiences situations and the cultural backgrounds where they are living on. Private speech observation, parents advices, adults, peers and imitation are the sources of learning mathematics.

The learnt lesson from this study can be applied in formal education. All this requires a serious thought while making decision about curriculum, reading materials and pedagogical process to include in the main stream of education for out of school program.

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