

SOMCHAI CHARNGTHONG : A STUDY OF DEVELOPMENT OF ABILITY
OF COMPARING TWO SET SIZES, ABILITY OF COUNTING AND
KNOWLEDGE OF COUNTING OF 3-5 YEAR-OLD CHILDREN. THESIS
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The purposes of this study were to investigate the preschool children's development of ability of comparing two set sizes, ability of counting and knowledge of counting and to investigate their relations. The subjects of this study were 120 children who were divided into 3 groups of 40 children aged 3, 4 and 5 years old from the nurseries in Nakornratchasima province. The instruments used in this study were 1) Comparing Two Set Sizes Test, 2) Counting Test and 3) Knowledge of Counting Test which were modified from the studies of Arai (1984) and Briars and Siegler (1984). The independent variable was age groups. The dependent variables were ability of comparing two set sizes, ability of counting and knowledge of counting. The data were analyzed by using Frequency, Cumulative frequency, Percentage, Mean, t-test, Correlation, One-way analysis of variance and Scheffe's multiple comparisons.

The main findings of this study were as follow :

1. There were differences among age groups significantly in the development of ability of comparing two set sizes, ability of counting and knowledge of counting of 3-5 year-old children ($p < .001$). The ability and knowledge of counting of the 3 and 4 year-old groups were different significantly from 5 year-old group but the 3 year-old group was not different from the 4 year-old group.
2. All ability and knowledge of counting related positively and significantly in all age groups ($p < .001$).