

## ITEM ANALYSIS OF TEST OF NUMBER OPERATIONS

**EVRORO, Edhereveno Sylvanus**Department of Technical and Business Education  
Delta State University, Abraka, NIGERIA**ABSTRACT**

The Test of Number Operation is a test constructed to test the ability of students in the operation of numbers. It is made up of 35 items with 17 multiple choice items. The item analysis of Test of Number Operations was carried out using 30 students from SS 1 from a rural school in Isoko South Local Government Area of Delta State. The 30 students were those who were interested in taking the Test out of the 85 students in SS 1. The average age of the students is 15 years and male students are 20 while female students are 10. The correction for guessing was applied. Although only 17 out of the 35 items in the test are multiple choice items, it was assumed that all the items are multiple choice items to enable

the use of formula for correction. The formula used is  $S = \frac{R - \frac{W}{n-1}}$  The item difficulty.

index (p) is given by the formula  $P = \frac{R}{T} \times 100$  or  $P = R/T$ , The item discriminating index

used is  $\frac{R_u - R_L}{\frac{1}{2}T}$

The item analysis of the test of Number operation revealed that the range of the actual score of the 30 students is 12 i.e (18-6) while the range of the true score is 14.4 i.e. (14.6-0.2). It was concluded that the items in the Test of Number Operation should be worked upon to increase its item statistics. The item analysis of Test of Number operation should be carried out in different parts of the state and the sample should be increased.

**Keywords:** Item Analysis, Item Difficulty, item Discrimination Index and distracters.