

## **Item Analysis**

### **Suggestions for conducting an item analysis:**

1. Draw an item analysis table with columns (one for each item) and rows (one for each respondent).
  - a. For knowledge-based items, use the following scoring system:

1 = correct item

0 = incorrect item
  - b. For person-based items, use the actual score for each item while differentiating between reversed and nonreversed items.
2. Add up the score per cell to total for each row and each column.
3. Calculate the facility index score by dividing the number of respondents who provided the correct response for an item by the total number of respondents.
4. For the discrimination index, correlate each item with the total score for the survey.
5. For distractors, for each item, count the number of times that each distractor has been chosen.