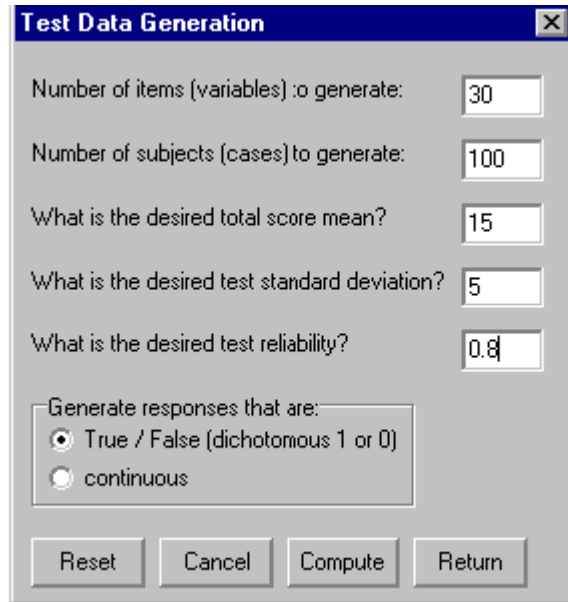


## Generate Test Data

To help you become familiar with some of the measurement procedures, you can experiment by creating “artificial” item responses to a test. When you select the option to generate simulated test data, you complete the information in the following specification form. An example is shown. Before you begin, be sure you have closed any open file already in the data grid since the data that is generated will be placed in that grid.



The image shows a dialog box titled "Test Data Generation" with a close button (X) in the top right corner. The dialog contains several input fields and a section for response types. The input fields are: "Number of items (variables) to generate:" with a value of 30, "Number of subjects (cases) to generate:" with a value of 100, "What is the desired total score mean?" with a value of 15, "What is the desired test standard deviation?" with a value of 5, and "What is the desired test reliability?" with a value of 0.8. Below these fields is a section labeled "Generate responses that are:" with two radio button options: "True / False (dichotomous 1 or 0)" which is selected, and "continuous". At the bottom of the dialog are four buttons: "Reset", "Cancel", "Compute", and "Return".

Number of items (variables) to generate:	30
Number of subjects (cases) to generate:	100
What is the desired total score mean?	15
What is the desired test standard deviation?	5
What is the desired test reliability?	0.8
Generate responses that are:	
<input checked="" type="radio"/> True / False (dichotomous 1 or 0)	
<input type="radio"/> continuous	
Reset Cancel Compute Return	

**Figure 1 Test Item Generation Dialog**

Shown below is a “snap-shot” of the generated test item responses. An additional row has been inserted for the first case which consists of all 1’s. It will serve as the “correct” response for scoring each of the item responses of the subsequent cases. You can save your generated file for future analyses or other work.