Creating a multiple measure

Multiple measures are a way to get a “big picture” side-by-side view of scores from different kinds of assessments. You can include any type of scores that are available in the Edusoft database—state test results that have been imported, as well as benchmark and teacher tools tests that have been scanned and graded in Edusoft.

When you create a multiple measure, you can define a basic multiple measure that simply displays assessments side by side. Or, you can use some advanced options that give you a more sophisticated analysis.

To create a multiple measure:

1. Click the **Admin** tab. Click the **Multiple Measures** link or icon.
2. In the Create a Multiple Measure page, enter a name for the multiple measure, select a month and school year, and click **Continue**.
   It’s a good idea to select today’s date. This date is used internally by Edusoft to identify the multiple measure.
3. To create a basic multiple measure, click **Continue** in the Select Options page. Or, select advanced options and then click **Continue**.

**Note:** You’ll find more information about these advanced options on the other side of this page.

4. In the Selected Assessments page, click the **Add a Test** link to select an assessment.

**Selected Assessments**

<table>
<thead>
<tr>
<th>#</th>
<th>Assessment</th>
<th>Category Name</th>
<th>Score Type</th>
<th>Weighting Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CANS II</td>
<td>Overall</td>
<td>Percent Correct</td>
<td>1.0</td>
</tr>
<tr>
<td>2</td>
<td>Algebra 1 Pre-test</td>
<td>Overall</td>
<td>Percent Correct</td>
<td>1.0</td>
</tr>
<tr>
<td>3</td>
<td>Algebra 1 Post-test</td>
<td>Overall</td>
<td>Percent Correct</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Add a Test**—Click this link to add an assessment to the multiple measure.

5. In the Add Assessment page, choose the type of assessment you want to add. Click **Continue**.

Edusoft displays a list of available assessments of the type you selected. The choices available in the next few pages depend on the assessment type and specific assessment.

6. Choose an assessment and click **Continue**.

   You can go back and select additional assessments later.

7. In the Select a Category page, choose the subject category for the multiple measure. Click **Continue**.

   The categories depend on the assessment you chose. You might see subjects for a state test, for example, or standards for a benchmark exam.

8. In the Select Score Type page, choose the type of score to include. Click **Continue**.

   Edusoft displays the assessment. You can click **Add a Test** again to add another assessment.

9. When you have finished adding assessments, click **Continue**.

10. In the Select Students for Calculation, choose the students you want to include. Click **Continue**.
To calculate this multiple measure for the broadest possible population of students, leave the preset values of all school and all grades.

To filter the list of students before making your selection, click one or more links to select specific groups of students.

After a brief pause, the Multiple Measures page appears. From here you can edit the multiple measure, delete it, or update it as needed.

Using performance bands in a multiple measure

If your multiple measure contains different types of scores, you may want to create a common set of performance bands that lets you evaluate the data from each exam using the same criteria. You can also create performance bands for an overall score. The overall score is a weighted average, not a weighted sum.

To use performance bands in a multiple measure:

1. Start creating the multiple measure. In the Select Options page, select the Performance Bands option. Select the Overall Score option to include overall performance bands for the multiple measure. Click Continue.

2. In the Define Performance Bands page, choose the number of performance bands to use. Click Continue.

3. In the Define Performance Bands page, enter a name for each band. Click Continue.

4. As you add assessments, enter the minimum and maximum scores for each performance band. Click Continue.

5. Click Continue when you have finished adding assessments. In the Set Performance Band Ranges page, enter performance band values for the overall score. Click Continue.

Using a weighting factor in a multiple measure

Some of the assessments you include in a multiple measure might be more important to you than others. For example, you might want place more emphasis on a state exam than on a teacher’s classroom quiz. You can accomplish this by assigning a weighting factor to each assessment. You can apply weighting factors when you create a multiple measure or when you edit one.

To use a weighting factor:

1. To apply weighting to an existing multiple measure, click the Edit link for the multiple measure in the Multiple Measures home page.

2. In the Multiple Measure Definition page, click the Weighting Factor link for an assessment.

3. In the Set Weighting Factor page, enter a new value and click Continue.

Updating a multiple measure

You first calculate a multiple measure when you create it. If you make subsequent changes, the data in the multiple measure may be out of date. You can easily update a multiple measures when you’ve added an assessment or changed assessment data (for example, new scores become available).

To update a multiple measure:

1. Click the Edit link the multiple measure in the Multiple Measures home page.

   Multiple measures listed in red require updating, but others may need to be updated as well.

2. Click the Update Multiple Measures Data link.