

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.

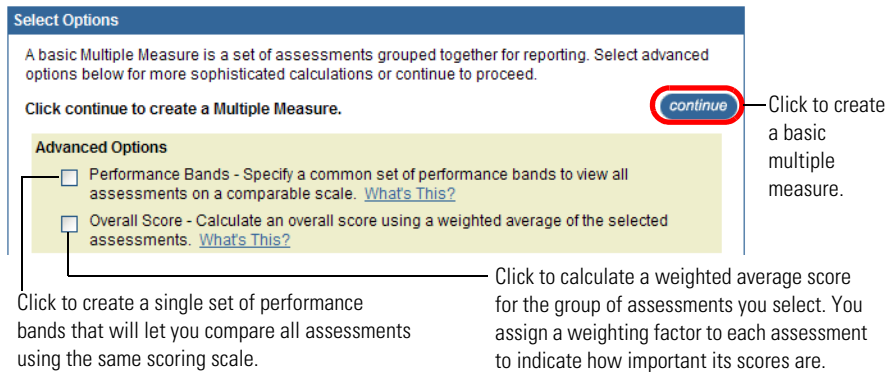
To create a multiple measure:

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**.



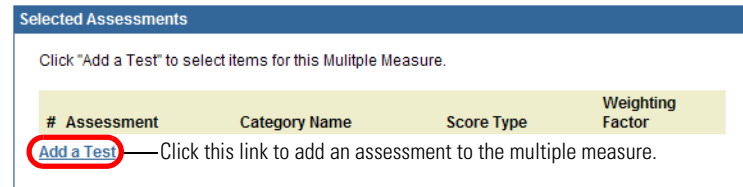
Click to create a single set of performance bands that will let you compare all assessments using the same scoring scale.

Click to calculate a weighted average score for the group of assessments you select. You assign a weighting factor to each assessment to indicate how important its scores are.

Click to create a basic multiple measure.

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.



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**.

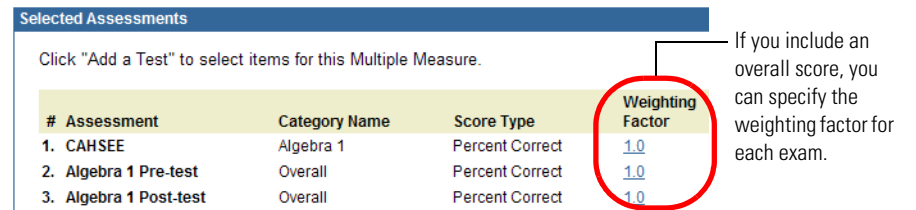
You can go back and select additional assessments later.

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.



If you include an overall score, you can specify the weighting factor for each exam.

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**.

Set Performance Band Ranges

Please enter a range for each performance band. If you have chosen to calculate an overall score the Calculation Value is the number of points that will be given to students falling in each band.

Component Score: Algebra 1
Score Type: Percent Correct
Range: 0.0 to 100.0

Name	Min Score	Max Score	Calculation Value
Below Mastery	0.0		1
At Mastery		100.0	2

Note: The Max Score of a given band must match the Min Score of the next highest band.

Enter minimum and maximum scores for each performance band.

If you are calculating an overall score, indicate a calculation value for each band. This value is used to calculate an average score when you display a multiple measure in a report.

- 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.

#	Assessment	Category Name	Score Type	Performance Bands	Weighting Factor
1	CAHSEE	Algebra 1	Percent Correct	edit	1.0 delete

Click this link to apply a weighting factor.

- 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.