




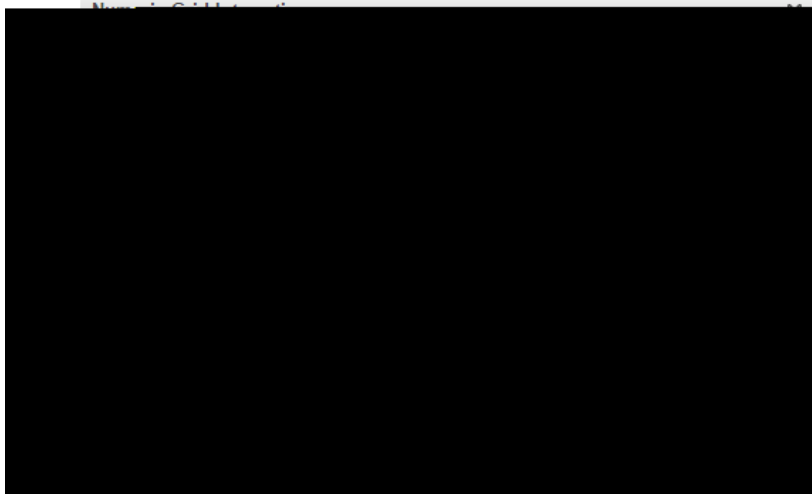



Access the video tutorial on this topic here: <https://performancematters.wistia.com/medias/wxsumboi8n>

The numeric grid interaction requires the student to enter a numerical response one digit at a time in a grid format. Numeric grid interactions can be used with both scan sheet and OLA tests.

 A numeric grid interaction must exist alone in an item; no other interactions can be added to the item.

1. Select  from the main navigation menu.
2. Enter the interaction prompt or stem directly into the editing pane.
3. With the cursor just below the prompt/stem, select .
4. The Numeric Grid Interaction window appears. Complete the fields for the answer grid as follows.



1. Enter labels, such as currency symbols, to appear left or right of the answer grid.
  2. Determine if a leading column will be displayed as an option for a negative answer.
  3. Determine if a decimal point or slash will be used, and if it will be a choice row or a fixed column.
  4. Select the number of columns to display in the answer grid.
  5. By filling the bubbles, enter the correct answer in the grid.
  6. Click  to add the interaction to the item.
5. The interaction will be denoted by a box within the text field. Double-click the box to edit the interaction.

Understanding the scoring rules for numeric grid interactions will assist in the successful creation of the item.

- Student responses must match the mathematical equivalent of the correct answer.
  - If the correct answer is 5.5, then 05.5, 5.50, etc. will be considered correct responses.
- If the correct answer is a fraction, the student response may be in the form of a fraction or decimal.
  - If you do not want to allow the student to respond with a decimal, ensure only the fraction symbol is enabled for student responses.



- When a student is allowed to answer with a fraction or decimal, equivalent responses will be correct.
- For example,  $1/4$ ,  $.25$ ,  $0.25$ ,  $.250$  are equivalent responses.
- If the correct answer is a decimal, the student's response will be compared to the precision of the correct answer.
  - A student response that is more precise than a rounded or truncated answer will be graded as correct; this is important in the construction of the correct response. If you want to require specific precision, limit the number of available response columns.
  - If you do not want to allow for rounded/truncated correct responses, the correct answer should end in a zero (0).

For example: If the correct answer was stated as  $.777$  then a student response of  $.7778$  or  $.7777$  would be considered correct. If however the correct response was set to  $.7770$  then only  $.777$  would be correct.