

## Exceptions to the Five-Step Rule

*Nemeth symbols and concepts addressed:*

- Directly-under indicator
- Horizontal bar symbol

*Objectives:*

The student will be able to:

- 1) Read and write the horizontal bar symbol as a modifier that is directly over a single digit or letter using the exception to the Five-Step Rule
- 2) Read and write the directly-under indicator followed by the horizontal bar symbol as a modifier that is directly under a single digit or letter using the exception to the Five-Step Rule

*Teaching tips:*

- Before opening any BRF files in Duxbury, go into the Global menu. Select "Formatted Braille Importer" and then check the box for "Read formatted braille without interpretation" at the top of the window. This will ensure that nothing is changed when opening the BRF files.
- In addition to the embedded activities within the mini lesson, there are two follow-up activities. These should be completed after reviewing both the *Five-Step Rule for Writing Modified Expressions* and *Exceptions to the Five-Step Rule* mini lessons.
- If needed, remind the student to check his/her work during writing activities.
- For additional information and examples about the modifications used in higher-level mathematics, refer to the [Nemeth Braille Code for Mathematics and Science Notation, 1972 Revision](#) and all [Nemeth updates](#). Specifically, more information regarding a single digit or letter with a horizontal bar under it can be found on the [BANA website](#) under Nemeth Updates 2013. It will be listed as Rule XIV §86c: Short form of directly under but titled *Contracted Form of Underlining of Single Letters/Digits* once you open the document.