

# Linear Equations with a Multiplication Cross, Grouping Symbols, and/or Exponents

## *Nemeth symbols and concepts addressed:*

- Multiplication cross ( $\times$ )
- Equals sign ( $=$ )
- General omission symbol
- Long dash (\_\_\_\_\_)
- Grouping symbols
- Open parenthesis
- Close parenthesis
- Open bracket ( $[$ )
- Close bracket ( $]$ )
- Superscript, also known as exponent or power
- Baseline indicator

## *Objectives:*

The student will be able to:

- 1) Read linear equations containing a multiplication cross and grouping symbols
- 2) Write linear equations containing a multiplication cross and grouping symbols
- 3) Read linear equations containing a multiplication cross and one or more superscripts
- 4) Write linear equations containing a multiplication cross and one or more superscripts

## *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.
- It is very important that print be followed when writing problems or equations involving a multiplication sign. If the math or science teacher uses a particular multiplication sign, it is intentional.
- A superscript is usually called an exponent or power in the classroom.

- In addition to the embedded activities within the focused lesson, there is one follow-up activity.
- The answers for the follow-up activity are available in SimBraille and braille. Please note that these are not formatted in cell 1 with run-overs in cell 3 since the word "Answer" is included.
- If needed, remind the student to check his/her work during writing activities.
- You may want to have the student practice reading equations with a multiplication cross, grouping symbols, and/or exponents as well. This can be done by using the answer key.

*Optional Materials:*

- Classroom textbook
- Student's book series