

Simple Fractions with a Diagonal Fraction Line

Nemeth symbols and concepts addressed:

- Opening simple fraction indicator
- Diagonal fraction line
- Closing simple fraction indicator
- Denominator
- Numerator
- Numeric indicator
- Variable

Objectives:

The student will be able to:

- 1) Read and write simple fractions with a diagonal fraction line (numerator raised higher than the denominator)
- 2) Read and write simple fractions with a diagonal fraction line (numerator not raised higher than the denominator)
- 3) Read and write simple fractions with variables using a diagonal fraction line

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.
- This focused lesson has one version that does include variables.
- 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.
- The majority of fractions are written with a horizontal fraction line, and teachers tend to encourage students to write their fractions using one as well, whether in print or braille. The use of a horizontal fraction line is the preferred method.

- Fractions with diagonal fraction lines occasionally appear in textbooks, on assessments, or in other math materials. You may prefer that your student simply read this lesson and the associated activity, so that they have the exposure should they encounter fractions written in this manner.
- The braille activity documents have been divided across pages so that your student can easily choose to complete one or both sections.
- If needed, remind the student to check his/her work during writing activities.
- You may want to have the student practice reading the fractions with a diagonal fraction line as well. This can be done by using the answer key.

Materials Commercially Available:

Materials that could be used from the American Printing House for the Blind (www.aph.org) include

- Fractional Parts of Wholes Set (1-03290-00)
- *Unit 7: Fractions, Mixed Numbers, and Decimals (Student consumables for both kits are in braille):
 Large Print Kit: (7-03564-00: Teacher's Guide in Large Print)
 Braille Kit: (5-03564-00: Teacher's Guide in Braille)
- *Number Line Device (1-03480-01)

* *WARNING: CHOKING HAZARD -- Small Parts. Not intended for children ages 5 and under without adult supervision.*

Other Optional Materials:

- Fraction cubes
- Fraction number lines
- Fraction tiles
- Fraction towers