

Fractions Lesson 4

Mixed Numbers

Teacher Guide

Symbols and Concepts

- Mixed number
- Numeric indicator
- Opening mixed number indicator
- Horizontal fraction line
- Diagonal fraction line
- Closing mixed number indicator

Objectives

The student will be able to:

- Read and write mixed numbers using a horizontal fraction line
- Read and write mixed numbers using a diagonal fraction line
- Define the term mixed number

Teaching Tips

- Before opening any BRF files in Duxbury,
 - Go into the Global menu.
 - Select "**Formatted Braille Importer.**"
 - Select 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 and does not include variables.
- In addition to the embedded activities within the focused lesson, there is one follow-up activity.
- The "L4-Fractions-Problems-Only.brf" braille document may be used to supplement the lesson since it contains all of the examples in braille.
- The answers for the follow-up activity are available in SimBraille and braille.
- The majority of mixed numbers are written with a horizontal fraction line, and teachers tend to encourage students to write mixed numbers using one as well, whether in print or braille. The use of a horizontal fraction line is the preferred method.

- Mixed numbers with diagonal fraction lines occasionally appear in textbooks, on assessments, or in other math materials. Therefore, we have included mixed numbers with a diagonal fraction line where the numerator is raised higher than the denominator. We have chosen not to include mixed numbers with a diagonal fraction line where the numerator is not raised higher than the denominator, as these are extremely rare and their use is discouraged.
- If needed, remind the student to check their work during writing activities.
- You may want to have the student practice reading the mixed numbers as well. This can be done by using the answer key.
- We maintain a list of [commercially available materials](#) that can be used to supplement instruction.

Optional Materials

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