

Divide Mixed Numbers

Lesson 6-10

Name: Type your name

Date: Today's date

Class: Class period



TODAY'S OBJECTIVES

Content Objective: I can divide mixed numbers by first changing them to improper fractions.

Language Objective: I can explain my steps using the words mixed number, improper fraction, convert, reciprocal, and simplify.



See **Learn It** for the explanation and worked examples, and the **Vocab** tab for the words. These are your notes to fill in and keep.



Fill in each blank as we go. Use the Word Bank to help you.



WORD BANK — FILL EACH BLANK WITH THE BEST WORD

Divide Mixed Numbers

Mixed Number

Improper Fraction

Convert

Simplify

Reciprocal



Tap any word to see what it means and a picture.

1

Rewrite each mixed number as an

before you flip and multiply.

2

A number with a whole number and a fraction, like $2 \frac{1}{3}$, is a

.

3

A fraction whose numerator is greater than or equal to its denominator, like $\frac{7}{3}$, is

an

.

4

Changing a mixed number into an improper fraction is to

it.

5 Writing a fraction with smaller numbers that names the same amount, like $\frac{4}{8} = \frac{1}{2}$, is to it.

6 To divide by a fraction, I multiply by its .

Write About the Math

How does dividing mixed numbers help the detective?

¿Cómo ayuda dividir números mixtos a la detective?

Say your answer to a partner first. Then write it, using at least two of these words:

☐

Divide Mixed Numbers

Dividir números mixtos

☐

Mixed Number

Número mixto

☐

Improper Fraction

Fracción impropia

☐

Convert

Convertir

☐

Simplify

Simplificar

Model: A mixed number must first become an improper fraction so I can flip and multiply. — Students explain that the mixed number must be converted to an improper fraction ($7/2$) before applying Keep, Change, Flip.

Start

Complete the frames. Use the word bank.

Completa las oraciones. Usa el banco de palabras.

- The detective can cut ____ pieces because $5 \frac{1}{4} \div \frac{3}{4} = \frac{21}{4} \times \frac{4}{3} = \frac{84}{12} = \underline{\hspace{1cm}}$.
- My answer is ____ because ____.

Mi respuesta es ____ porque ____.

Build

Write two connected sentences. Use because, so, or but.

Escribe dos oraciones conectadas. Usa porque, entonces o pero.

- My claim is ____.
- My evidence is ____, so ____.

Mi evidencia es ____, entonces ____.

Explain

Write a claim, give math evidence, and explain your reasoning.

Escribe una afirmación, da evidencia matemática y explica tu razonamiento.

☐ I answered the question.

☐ I used math evidence: numbers, an equation, or a model.

☐ I used at least two math words.