Subtracting Mixed Numbers Worksheet

Practice converting, adding and subtracting mixed numbers and improper fractions.

NAME _____ DATE _____ SCORE _____

MY GOALS

- I can practice subtracting mixed numbers.
- I can use improper fraction.
- I can use mixed number.
- I can use the word convert.

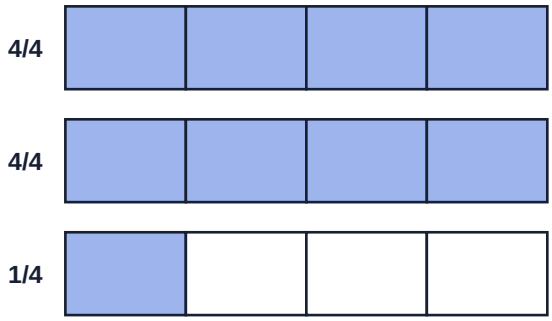
LEARN IT

Changing improper fractions and mixed numbers

An improper fraction has a numerator that is as big as or bigger than the denominator. A mixed number is a whole number plus a fraction. To convert, divide the numerator by the denominator to get the whole number and remainder. To go the other way, multiply the whole number by the denominator and add the numerator.

WATCH ME

Convert 9/4 to a mixed number.



1. Divide 9 by 4 to get 2 with remainder 1.
2. The quotient 2 is the whole number and the remainder 1 is the numerator.
3. Write the mixed number 2 1/4.

ANSWER **2 1/4**

KEY WORDS

Improper fraction A fraction with a numerator ≥ denominator

Mixed number A whole number plus a fraction

Convert Change a number from one form to another

REMEMBER

- Divide numerator by denominator to make a mixed number.
- Quotient = whole number; remainder = new numerator.
- To make an improper fraction, multiply whole × denominator and add numerator.

WATCH OUT

When converting to a mixed number, divide first and keep the same denominator for the remainder.

PART A Warm up

1 FILL IN THE BLANK

Convert each improper fraction to a mixed number. Write the mixed number in the blank.

a) 9/2 = _____

b) 14/5 = _____

c) 8/3 = _____

d) 13/4 = _____

e) 22/6 = _____

f) 27/8 = _____

g) 16/4 = _____

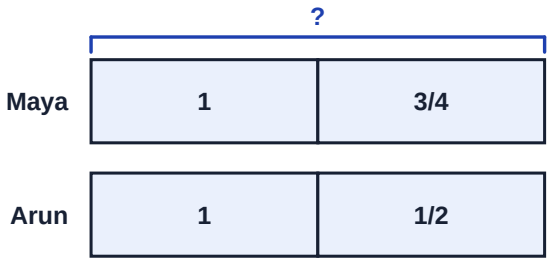
PART B Practice

2 WRITE

Change 5 2/3 to an improper fraction. Show the multiplication and addition you used.

3 SHOW YOUR WORK

Maya ate 1 3/4 pies and Arun ate 1 1/2 pies. Find how many pies they ate altogether. You may convert to improper fractions to add, and write the final answer as a mixed number.



Person	Fraction	Mixed number

4 WRITE

Explain in two or three sentences how to convert 23/6 into a mixed number. Show the division you use.

PART C Apply it

5 WRITE

Subtract to find the answer: 5 1/3 – 2 2/5. Show the steps and give the answer as a mixed number.

PART D Challenge

6 WRITE

A recipe needs 4 1/3 cups of flour. You have 2 5/6 cups. How much more flour do you need? Show the subtraction and give the answer as a mixed number.

CHECK YOUR WORK

- ☐ I converted between improper fractions and mixed numbers correctly.
- ☐ I showed the division or multiplication steps I used.
- ☐ I checked that my final mixed numbers are in simplest form.

HOW DID IT GO? ◯ I can do this on my own ◯ I need a bit more practice ◯ I would like some help