

# My Homework Lesson 9 Mixed Numbers Answer Key

3 Write the mixed number. The leaf is  $3\frac{3}{4}$  inches long.

4 Write the equation.  
Three  $\frac{1}{4}$ -tiles can be used to model  $\frac{3}{4}$ .

Write 3 as  $1 + 1 + 1$ .

$3\frac{3}{4} = 1 + 1 + 1 + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

Write  $\frac{3}{4}$  as a sum of unit fractions.

So,  $3\frac{3}{4} = 1 + 1 + 1 + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ .

Handwritten red notes:  $3\frac{3}{4} = \frac{36}{8} + \frac{3}{4} = \frac{39}{4}$

**My homework lesson 9 mixed numbers answer key** is a crucial resource for students who are learning to understand and manage mixed numbers in their math homework. Mixed numbers consist of a whole number combined with a proper fraction, and they often appear in various mathematical contexts, including addition, subtraction, multiplication, and division. This article aims to provide an overview of mixed numbers, common problems associated with them, and a detailed answer key for lesson 9 that reinforces understanding through practice.

## Understanding Mixed Numbers

Mixed numbers are used in many everyday situations, making them an essential aspect of mathematics. To fully grasp how to work with mixed numbers, it's important to comprehend their structure and how they relate to improper fractions.

## What is a Mixed Number?

A mixed number consists of two parts:

1. Whole Number: This is the integer part of the mixed number.
2. Fraction: This is the part that represents a portion of a whole.

For example, the mixed number  $2\frac{3}{5}$  consists of the whole number 2 and the fraction  $\frac{3}{5}$ . This mixed number signifies that there are two whole units and three-fifths of another unit.

# Converting Mixed Numbers and Improper Fractions

One of the key skills in working with mixed numbers is converting between mixed numbers and improper fractions. An improper fraction has a numerator that is larger than its denominator.

Conversion steps:

1. To convert a mixed number to an improper fraction:
  - Multiply the whole number by the denominator.
  - Add the numerator to this product to get the new numerator.
  - Keep the denominator the same.

For example, to convert  $2\frac{3}{5}$  to an improper fraction:

- $(2 \times 5) + 3 = 10 + 3 = 13$
- Thus,  $2\frac{3}{5} = \frac{13}{5}$ .

2. To convert an improper fraction to a mixed number:

- Divide the numerator by the denominator.
- The quotient becomes the whole number, and the remainder becomes the numerator of the fraction part.

For example, to convert  $\frac{13}{5}$  to a mixed number:

- $(13 \div 5 = 2)$  remainder 3.
- Thus,  $\frac{13}{5} = 2\frac{3}{5}$ .

## Working with Mixed Numbers in Lesson 9

In lesson 9, students typically practice operations involving mixed numbers, including addition, subtraction, multiplication, and division. Understanding the process for each operation is vital for mastering the topic.

## Addition and Subtraction of Mixed Numbers

When adding or subtracting mixed numbers, it's often easier to convert them to improper fractions first. Here's how to do it:

1. Convert each mixed number to an improper fraction.
2. Perform the addition or subtraction.
3. Convert the result back to a mixed number if necessary.

Example Problem: Add  $1\frac{2}{3}$  and  $2\frac{2}{5}$ .

1. Convert to improper fractions:

- $1\frac{2}{3} = \frac{5}{3}$
- $2\frac{2}{5} = \frac{12}{5}$

2. Find a common denominator (15):

-  $\frac{5}{3} = \frac{25}{15}$

-  $\frac{12}{5} = \frac{36}{15}$

3. Add:

-  $\frac{25}{15} + \frac{36}{15} = \frac{61}{15}$

4. Convert back to mixed number:

-  $\frac{61}{15} = 4\frac{1}{3}$ .

## Multiplication and Division of Mixed Numbers

When multiplying mixed numbers, convert them to improper fractions first, multiply, and then simplify the result if possible. For division, convert to improper fractions, flip the second fraction, and multiply.

Example Problem: Multiply  $1\frac{1}{3}$  by  $2\frac{2}{5}$ .

1. Convert to improper fractions:

-  $1\frac{1}{3} = \frac{4}{3}$

-  $2\frac{2}{5} = \frac{12}{5}$

2. Multiply:

-  $(\frac{4}{3}) \times (\frac{12}{5}) = \frac{48}{15}$ .

3. Simplify:

-  $\frac{48}{15} = 3\frac{1}{5}$ .

## Lesson 9 Mixed Numbers Answer Key

Below is a structured answer key for typical problems found in lesson 9 on mixed numbers. Each problem is followed by its solution to assist students in verifying their answers.

1.

**Problem 1:** Add  $3\frac{2}{5} + 4\frac{3}{5}$

◦ Answer:  $\frac{8}{5}$  or  $1\frac{3}{5}$

2.

**Problem 2:** Subtract  $5\frac{3}{5} - 2\frac{3}{5}$

◦ Answer:  $\frac{3}{5}$

3.

**Problem 3:** Multiply  $2\frac{2}{5} \times 1\frac{1}{3}$

◦ Answer:  $8/15$

4.

**Problem 4:** Divide  $3\frac{1}{3} \div 1\frac{3}{5}$

◦ Answer: 2

5.

**Problem 5:** Convert  $7/4$  to a mixed number

◦ Answer:  $1\frac{3}{4}$

6.

**Problem 6:** Convert  $2\frac{2}{5}$  to an improper fraction

◦ Answer:  $12/5$

## Tips for Success with Mixed Numbers

To enhance proficiency in working with mixed numbers, consider the following tips:

- Practice regularly: Repetition helps reinforce concepts and improve accuracy.
- Visual aids: Use number lines or pie charts to visualize mixed numbers and fractions.
- Work on word problems: Applying mixed numbers in real-world contexts enhances understanding and retention.
- Seek help: Don't hesitate to ask teachers or peers for clarification on challenging problems.

## Conclusion

Understanding and mastering mixed numbers is a vital component of mathematics that students encounter in various forms throughout their education. The answer key for my homework lesson 9 mixed numbers provides an excellent resource for students to check their work and improve their skills. By practicing the conversion, addition, subtraction, multiplication, and division of mixed numbers, learners can build a solid foundation that will benefit them in more advanced mathematical

concepts. Embrace the challenge, use the resources available, and keep practicing for success!

## Frequently Asked Questions

### What are mixed numbers and how are they represented in math?

Mixed numbers consist of a whole number and a fractional part, such as  $2\frac{1}{2}$ , where 2 is the whole number and  $\frac{1}{2}$  is the fraction.

### How do you convert an improper fraction to a mixed number?

To convert an improper fraction to a mixed number, divide the numerator by the denominator. The quotient becomes the whole number, and the remainder over the original denominator becomes the fractional part.

### What is the process for adding mixed numbers?

To add mixed numbers, first add the whole numbers together, then add the fractions. If the fraction sum is improper, convert it to a mixed number and add it to the whole number sum.

### Where can I find the answer key for my homework lesson 9 on mixed numbers?

The answer key for your homework lesson 9 should be provided by your teacher or can often be found in your textbook or online educational resources associated with your curriculum.

### Why is understanding mixed numbers important in math?

Understanding mixed numbers is crucial as they are commonly used in real-life situations such as cooking, construction, and measurements, making it essential to master their addition, subtraction, and conversion.

Find other PDF article:

<https://soc.up.edu.ph/53-scan/Book?dataid=ObU12-3872&title=shapes-worksheets-for-first-grade.pdf>

## [My Homework Lesson 9 Mixed Numbers Answer Key](#)

### My Service Canada Account (MSCA) - Canada.ca

To access your personal income tax slips (such as T3, T4, T4RIF, T4RSP, T5, T5007 and T5008), visit CRA My account for ...

### **Sign in to your account**

Access and manage all your Microsoft apps and services in one place with My Apps.

### Sign in to your Sun Life account

Sign in to your Sun Life account Manage your benefits, savings and investment plans online with my Sun Life. It's password-protected, ...

### *Welcome to My Activity*

Welcome to My Activity Data helps make Google services more useful for you. Sign in to review and manage your activity, ...

### **My Self Serve - Home**

If you are currently in receipt of income or disability assistance, My Self Serve will allow you to securely access your current ...

### **My Service Canada Account (MSCA) - Canada.ca**

To access your personal income tax slips (such as T3, T4, T4RIF, T4RSP, T5, T5007 and T5008), visit CRA My account for Individuals. How to change your direct deposit information, mailing ...

### *Sign in to your account*

Access and manage all your Microsoft apps and services in one place with My Apps.

### *Sign in to your Sun Life account*

Sign in to your Sun Life account Manage your benefits, savings and investment plans online with my Sun Life. It's password-protected, convenient and paperless.

### **Welcome to My Activity**

Welcome to My Activity Data helps make Google services more useful for you. Sign in to review and manage your activity, including things you've searched for, websites you've visited, and ...

### My Self Serve - Home

If you are currently in receipt of income or disability assistance, My Self Serve will allow you to securely access your current information online. For example, you can view personal ...

### **Sign in to a Government of Canada online account**

My Service Canada Account Update Employment Insurance (EI) details, Canada Pension Plan (CPP), Old Age Security (OAS), National Student Loans Service Centre (NSLSC), Canadian ...

### **Oracle PeopleSoft Sign-in**

For student applicants, alumni, and guests.Account FAQs Contact Support

### *Microsoft account | Sign In or Create Your Account Today - ...*

Get access to free online versions of Outlook, Word, Excel, and PowerPoint.

### **Sign in to your IRCC secure account - Canada.ca**

Enter the answer to the recovery question you're prompted with in the My Recovery Answer field. You should find the questions and hints above each field. If you correctly answered all the ...

### **MyDisney Account**

Apr 30, 2025 · MyDisney lets you seamlessly log in to services and experiences across The Walt Disney Family of Companies, such as Disney+, ESPN, Walt Disney World, and more.

Get the complete answer key for 'My Homework Lesson 9: Mixed Numbers' to enhance your understanding. Learn more and ace your math homework today!

[Back to Home](#)