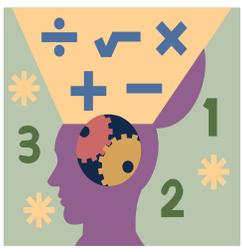


Name: \_\_\_\_\_ Section: \_\_\_\_\_



**Homework**

Greetings Scholar and Parents. We will focus our efforts this week on Chapter 8, *Adding and Subtracting Fractions*. Scholars will learn to add & subtraction fractions with **unlike** denominators. **Please do not work ahead on homework assignments.** Failure to complete homework or bring packet to class will result in points deducted. **The chapter 8 quiz has been cancelled due to unforeseen circumstances.** Scholars will instead complete the **Chapters 8 & 9 quiz on Monday, April 15<sup>th</sup>, 2024.**

**Extra Practice**

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Add fractions with unlike denominators using models
- Add fractions with unlike denominators
- Add 3 or more fractions with unlike denominators
- Add mixed numbers with Unlike Denominators
- Subtract mixed numbers with Unlike Denominators
- Complete addition and subtraction sentences with mixed numbers

**Notes**

**Completed homework packets should be uploaded or turned in on Monday April 15th, 2024.** Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at [peter.vanegas@archimedean.org](mailto:peter.vanegas@archimedean.org).

<u>Monday</u>	April 8th	- 8.5 (Previous Packet; STILL DUE TODAY)
<u>Tuesday</u>	April 9th	-9.1 & 9.2
<u>Wednesday</u>	April 10th	- NONE (Teacher Planning Day)
<u>Thursday</u>	April 11th	- 9.4 & 9.5
<u>Friday</u>	April 12th	- NONE (Focus Friday – Study for Quiz!)

# Add and Subtract Mixed Numbers with Unlike Denominators

Go Online

Interactive Examples

Find the sum or difference.

1.  $3\frac{1}{2} - 1\frac{1}{5}$

$$\begin{array}{r} 3\frac{1}{2} \rightarrow 3\frac{5}{10} \\ -1\frac{1}{5} \rightarrow -1\frac{2}{10} \\ \hline 2\frac{3}{10} \end{array}$$

2.  $2\frac{1}{3} + 1\frac{3}{4}$

\_\_\_\_\_

3.  $4\frac{1}{8} + 2\frac{1}{3}$

\_\_\_\_\_

4.  $5\frac{1}{3} + 6\frac{1}{6}$

\_\_\_\_\_

5.  $2\frac{1}{4} + 1\frac{2}{5}$

\_\_\_\_\_

6.  $5\frac{17}{18} - 2\frac{2}{3}$

\_\_\_\_\_

7.  $6\frac{3}{4} - 1\frac{5}{8}$

\_\_\_\_\_

8.  $5\frac{3}{7} - 2\frac{1}{5}$

\_\_\_\_\_

## Problem Solving

9. Jacobi bought  $7\frac{1}{2}$  pounds of meatballs. He decided to cook  $1\frac{1}{4}$  pounds and freeze the rest. How many pounds did he freeze?

\_\_\_\_\_

10. Ms. Roth walked  $8\frac{1}{8}$  miles to a park and then  $7\frac{2}{5}$  miles home. How many miles did she walk?

\_\_\_\_\_

11.  **WRITE** *Math* Write your own story problem using mixed numbers. Show the solution.

\_\_\_\_\_

\_\_\_\_\_

# Rename Mixed Numbers to Subtract

Go Online

Interactive Examples

Estimate. Then find the difference.

1. Estimate: \_\_\_\_\_

$6\frac{1}{3} - 1\frac{2}{5}$

$$\begin{array}{r} 6\frac{1}{3} \rightarrow \overset{20}{\cancel{6}}\frac{5}{15} \\ - 1\frac{2}{5} \rightarrow -1\frac{6}{15} \\ \hline 4\frac{14}{15} \end{array}$$

2. Estimate: \_\_\_\_\_

$4\frac{1}{2} - 3\frac{5}{6}$

3. Estimate: \_\_\_\_\_

$9 - 3\frac{7}{8}$

4. Estimate: \_\_\_\_\_

$2\frac{1}{6} - 1\frac{2}{7}$

5. Estimate: \_\_\_\_\_

$8 - 6\frac{1}{9}$

6. Estimate: \_\_\_\_\_

$9\frac{1}{4} - 3\frac{2}{3}$

## Problem Solving

7. Carlene bought  $8\frac{1}{16}$  yards of ribbon to decorate a shirt. She only used  $5\frac{1}{2}$  yards. How much ribbon does she have left over?

\_\_\_\_\_

8. During his first vet visit, Pedro's puppy weighed  $6\frac{1}{8}$  pounds. On his second visit, he weighed  $9\frac{1}{16}$  pounds. How much weight did he gain between visits?

\_\_\_\_\_

9.  Write a subtraction problem that has mixed numbers and requires renaming. Draw a visual model illustrating the steps you take to solve the problem.

\_\_\_\_\_

\_\_\_\_\_

## Lesson Check

10. Natalia picked  $7\frac{1}{6}$  bushels of apples today and  $4\frac{5}{8}$  bushels yesterday. How many more bushels did she pick today?
- 
11. Max needs  $10\frac{1}{4}$  cups of flour to make a batch of pizza dough for the pizzeria. He only has  $4\frac{1}{2}$  cups of flour. How much more flour does he need to make the dough?
-

# Apply Properties of Addition

Go Online

Interactive Examples

Use the properties and mental math to solve.

$$\begin{aligned}
 1. \quad & \left(2\frac{1}{3} + 1\frac{2}{5}\right) + 3\frac{2}{3} \\
 & = \left(1\frac{2}{5} + 2\frac{1}{3}\right) + 3\frac{2}{3} \\
 & = 1\frac{2}{5} + \left(2\frac{1}{3} + 3\frac{2}{3}\right) \\
 & = 1\frac{2}{5} + 6 \\
 & = 7\frac{2}{5}
 \end{aligned}$$


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$$2. \quad 8\frac{1}{5} + \left(4\frac{2}{5} + 3\frac{3}{10}\right)$$


---

$$3. \quad \left(2\frac{3}{8} + 1\frac{3}{4}\right) + 5\frac{7}{8}$$


---

$$4. \quad 2\frac{1}{10} + \left(1\frac{2}{7} + 4\frac{9}{10}\right)$$


---

$$5. \quad 3\frac{1}{4} + \left(3\frac{1}{4} + 5\frac{1}{5}\right)$$


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$$6. \quad 1\frac{1}{4} + \left(3\frac{2}{3} + 5\frac{3}{4}\right)$$


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## Problem Solving

7. Eliza rode her bike  $6\frac{1}{2}$  miles from her house to the library and then another  $2\frac{2}{5}$  miles to her friend Milo's house. If Carson's house is  $2\frac{1}{2}$  miles beyond Milo's house, how far would she travel from her house to Carson's house?
- 

8. Hassan made a vegetable salad with  $2\frac{3}{8}$  pounds of tomatoes,  $1\frac{1}{4}$  pounds of asparagus, and  $2\frac{7}{8}$  pounds of potatoes. How many pounds of vegetables did he use altogether?
- 

9.  **WRITE** *Math* Write the definitions for the Commutative Property and Associative Property. Give an example for each property.
- 
-

## Lesson Check

10. What is the sum of  $2\frac{1}{3}$ ,  $3\frac{5}{6}$ , and  $6\frac{2}{3}$ ?
11. Letitia has  $7\frac{1}{6}$  yards of yellow ribbon,  $5\frac{1}{4}$  yards of orange ribbon, and  $5\frac{1}{6}$  yards of brown ribbon. How much ribbon does she have altogether?

# Practice Addition and Subtraction Using Equations

Go Online

Interactive Examples

Read each problem and solve.

1. From a board 8 feet in length, Emmet cut two  $2\frac{1}{3}$ -foot bookshelves. How much of the board remained?

Write an equation:  $8 = 2\frac{1}{3} + 2\frac{1}{3} + x$

Rewrite the equation to work backward:

$$8 - 2\frac{1}{3} - 2\frac{1}{3} = x$$

Subtract twice to find the length remaining:  $3\frac{1}{3}$  feet

2. Lynne bought a bag of grapefruit,  $1\frac{5}{8}$  pounds of apples, and  $2\frac{3}{16}$  pounds of bananas. The total weight of her purchases was  $7\frac{1}{2}$  pounds. How much did the bag of grapefruit weigh?

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3. Mattie's house consists of two stories and an attic. The first floor is  $8\frac{5}{6}$  feet tall, the second floor is  $8\frac{1}{2}$  feet tall, and the entire house is  $24\frac{1}{3}$  feet tall. How tall is the attic?

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4. It is  $10\frac{3}{5}$  miles from Alston to Barton and  $12\frac{1}{2}$  miles from Barton to Chester. The distance from Alston to Durbin, via Barton and Chester, is 35 miles. How far is it from Chester to Durbin?

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5. Marcie bought a 50-foot roll of packing tape. She used two  $8\frac{5}{6}$ -foot lengths. How much tape is left on the roll?

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6.  **WRITE** *Math* Write a word problem involving fractions for which you would use the *work backward* strategy and addition to solve. Include your solution.

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## Lesson Check

7. Dardby spent  $\frac{3}{8}$  of her allowance on clothes and  $\frac{1}{6}$  on entertainment. What fraction of her allowance did she spend on other items?
8. Cara bought a tree seedling that was  $2\frac{1}{4}$  feet tall. During the first year, it grew  $1\frac{1}{6}$  feet. After two years, it was 5 feet tall. How much did the seedling grow during the second year?