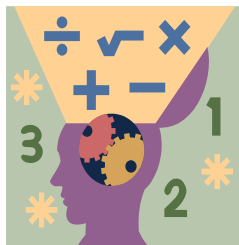


Name: _____ Section: _____



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 15th, 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.

<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**  *Math* 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.

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

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

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

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


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

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

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?

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?

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?

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?

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.

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?