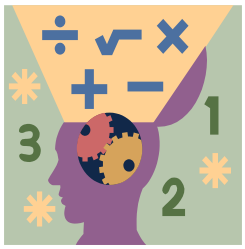
Name:_____ Section: _____



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**.** Scholars will complete the Chapter 8 Test on Monday April 8th, 2024, reviewing lessons 8.1 – 8.6.

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
- Subtract fractions with unlike denominators using models
- Subtract fractions with unlike denominators
- Complete addition and subtraction sentences with fractions

Notes

Completed homework packets should be uploaded or turned in on **Monday April 8th, 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.

Monday	March 25th	– 8.1 and 8.2
Tuesday	March 26th	– NONE (Test Day)
Wednesday	March 27th	– NONE (FAST Test Day)
Thursday	March 28th	– 8.3 and 8.4
Friday	March 29th	– 8.5

Name _____

Add and Subtract Fractions with Unlike Denominators

Go Online
Interactive Examples

Find the sum or difference.

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

$\frac{1}{2} \rightarrow \frac{7}{14}$
$-\frac{1}{7} \rightarrow -\frac{2}{14}$
$\frac{5}{14}$

2. $\frac{7}{10} - \frac{1}{2}$ _____

3. $\frac{1}{6} + \frac{1}{2}$ _____

4. $\frac{5}{8} + \frac{2}{5}$ _____

5. $\frac{9}{10} - \frac{1}{3}$ _____

6. $\frac{3}{4} - \frac{2}{5}$ _____

7. $\frac{5}{7} - \frac{1}{4}$ _____

8. $\frac{7}{8} + \frac{1}{3}$ _____

9. $\frac{5}{6} + \frac{2}{5}$ _____

Problem Solving Real World

10. Kaylin mixed two liquids for a science experiment. One container held $\frac{7}{8}$ cup and the other held $\frac{9}{10}$ cup. What is the total amount of the mixture?

_____

11. Hector bought $\frac{1}{4}$ pound of screws and $\frac{2}{5}$ pound of nails to build a skateboard ramp. What is the total weight of the screws and nails?

_____

12. WRITE Math How is $\frac{1}{2} + \frac{1}{4}$ solved differently than $\frac{1}{2} + \frac{1}{3}$?

_____

_____

Name _____

Represent Addition with Unlike Denominators

Go Online
Interactive Examples

Use fraction strips to find the sum.

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

$\frac{1}{2} + \frac{3}{4} = \frac{2}{4} + \frac{3}{4} = \frac{5}{4}$, or $1\frac{1}{4}$

$1\frac{1}{4}$

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

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

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

5. $\frac{1}{4} + \frac{5}{8}$

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

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

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

9. $\frac{7}{8} + \frac{1}{2}$

Problem Solving Real World

10. Brandus bought $\frac{1}{3}$ pound of ground turkey and $\frac{3}{4}$ pound of ground beef to make sausages. How many pounds of meat did he buy?

11. To make a ribbon and bow for a hat, Stacey needs $\frac{5}{6}$ yard of black ribbon and $\frac{2}{3}$ yard of red ribbon. How much total ribbon does she need?

12. WRITE Math Write a story problem that involves adding fractions with unlike denominators. Include the solution.

Name _____

Represent Subtraction with Unlike Denominators

Go Online
Interactive Examples

Use fraction strips to find the difference.

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

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

$\frac{1}{6}$

2. $\frac{3}{4} - \frac{3}{8}$

_____

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

_____

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

_____

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

_____

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

_____

7. $\frac{3}{4} - \frac{1}{3}$

_____

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

_____

9. $\frac{7}{10} - \frac{1}{2}$

_____

Problem Solving Real World

10. Amber had $\frac{3}{8}$ of a cake left after her party. She wrapped a piece that was $\frac{1}{4}$ of the original cake for her best friend. What fractional part did she have left for herself?

_____

11. Wesley bought $\frac{1}{2}$ pound of nails for a project. When he finished the project, he had $\frac{1}{4}$ pound of nails left. How many pounds of nails did he use?

_____

12. WRITE Math Explain how modeling subtraction with fraction strips is different from modeling addition with fraction strips.

_____

_____

Name _____

Estimate Fraction Sums and Differences

Go Online
Interactive Examples

Estimate the sum or difference.

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

Think: $\frac{1}{3}$ is closer to $\frac{1}{2}$ than to 0.

Estimate: 0

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

Estimate: _____

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

Estimate: _____

4. $2\frac{3}{5} - 1\frac{3}{8}$

Estimate: _____

5. $\frac{1}{5} + \frac{3}{7}$

Estimate: _____

6. $\frac{2}{5} + \frac{2}{3}$

Estimate: _____

7. $2\frac{2}{3} + \frac{3}{4}$

Estimate: _____

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

Estimate: _____

9. $4\frac{1}{8} - \frac{3}{4}$

Estimate: _____

Problem Solving Real World

10. For a fruit salad recipe, Jenna combined $\frac{3}{8}$ cup of raisins, $\frac{7}{8}$ cup of oranges, and $\frac{3}{4}$ cup of apples. About how many cups of fruit are in the salad?

11. Tyler had $2\frac{7}{16}$ yards of fabric. He used $\frac{3}{4}$ yard to make a vest. About how much fabric did he have left?

12. WRITE Math What is an instance when you might want to find an estimate for fraction sums or differences rather than an exact answer?

Name _____

Rewrite Fractions with Common Denominators

Go Online
Interactive Examples

Use a common denominator to write an equivalent fraction for each fraction.

1. $\frac{1}{5}, \frac{1}{2}$ common denominator: 10

Think: 10 is a multiple of 5 and 2. Find equivalent fractions with a denominator of 10.

$\frac{2}{10}, \frac{5}{10}$

2. $\frac{1}{4}, \frac{2}{3}$ common denominator: _____

3. $\frac{5}{6}, \frac{1}{3}$ common denominator: _____

4. $\frac{3}{5}, \frac{1}{3}$ common denominator: _____

5. $\frac{1}{2}, \frac{3}{8}$ common denominator: _____

6. $\frac{1}{6}, \frac{1}{4}$ common denominator: _____

Use a common denominator to write an equivalent fraction for each fraction.

7. $\frac{5}{6}, \frac{2}{9}$

8. $\frac{1}{12}, \frac{3}{8}$

9. $\frac{5}{9}, \frac{2}{15}$

Problem Solving Real World

10. Ella spends $\frac{2}{3}$ hour practicing the piano each day. She also spends $\frac{1}{2}$ hour jogging. What is a common denominator of the fractions?

11. In a science experiment, a plant grew $\frac{3}{4}$ inch one week and $\frac{1}{2}$ inch the next week. Use a common denominator to write an equivalent fraction for each fraction.

12. WRITE Math Describe how you would rewrite the fractions $\frac{1}{6}$ and $\frac{1}{4}$ with a common denominator.