

Adding & Subtracting Fractions Unit

Lesson 3 : Adding Mixed Numbers

Suggested Time Frame : Four Days

Resources Included:

- Four Warm Ups
- Adding Mixed Numbers Notes
- Adding Mixed Numbers Practice
- Adding Mixed Numbers Partner Practice

Essential Skills

- Add and subtract fractions using equivalent fractions.
- Use visual fraction models when problem solving.

Name _____

Date _____

Adding Mixed Numbers Warm Up

Skill : Adding fractions with unlike denominators.

1) Find the sum.

$$\frac{10}{12} + \frac{4}{6}$$

2) Find the sum.

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

3) Find the sum.

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

4) Find the sum.

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

5) Find the sum.

$$\frac{3}{10} + \frac{1}{2}$$

6) Find the sum.

$$\frac{3}{2} + \frac{2}{3}$$

Name _____

Date _____

Adding Mixed Numbers Warm Up

Skill : Subtracting fractions with unlike denominators.

1) Find the difference.

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

2) Find the difference.

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

3) Find the difference.

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

4) Find the difference.

$$\frac{11}{12} - \frac{1}{8}$$

5) Find the difference.

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

6) Find the difference.

$$\frac{7}{10} - \frac{1}{4}$$

Name _____

Date _____

Adding Mixed Numbers Warm Up

Skill : Adding mixed numbers.

1) Find the sum.

$$\frac{1}{12} + 6\frac{3}{4}$$

2) Find the sum.

$$2\frac{1}{5} + 4\frac{3}{4}$$

3) Find the sum.

$$1\frac{1}{10} + 1\frac{2}{3}$$

4) Find the sum.

$$3\frac{1}{2} + \frac{4}{5}$$

5) Find the sum.

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

6) Find the sum.

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

Name _____

Date _____

Adding Mixed Numbers Warm Up

Skill : Adding mixed numbers.

1) Find the sum.

$$1\frac{4}{5} + 4\frac{3}{10}$$

2) Find the sum.

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

3) Find the sum.

$$3\frac{4}{5} + 3\frac{1}{9}$$

4) Find the sum.

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

5) Find the sum.

$$4\frac{1}{3} + 12\frac{1}{4}$$

6) Find the sum.

$$5\frac{11}{12} + 1\frac{1}{8}$$

Adding Mixed Numbers Notes

Big Idea :

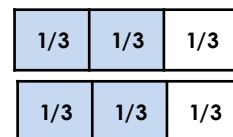
- Adding mixed numbers will require you to first understand how to re-write fractions with common denominators.

Key Words :

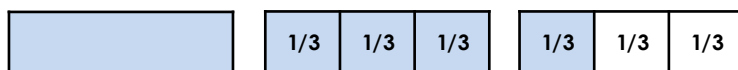
- Common Denominator
- Improper Fraction
- Mixed Number

Explore : How can fraction strips help you add mixed numbers?

- The fraction strips to the right show $1\frac{2}{3} + \frac{2}{3}$.



- Combine the 1/3 strips.



- Observe that there are now two full strips and one-third leftover.

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

Is adding mixed numbers the same as adding fractions?

- Yes! You follow the same steps.
 1. Write equivalent fractions using the least common denominator.
 2. Add the fractions.
 3. {This step is new!} Add the whole numbers.
 4. Simplify if necessary.

Explore :

Use the recipe card to answer the questions.

1. How many pounds of oranges and melon are there in the recipe?
2. How many pounds of grapes and berries are there in the recipe?


Frank's Fruit Salad

$1\frac{2}{3}$ lbs. oranges

$2\frac{1}{8}$ lbs. grapes

$3\frac{1}{2}$ lbs. berries

$1\frac{2}{4}$ lbs. melon



Adding Mixed Numbers

▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶▶ PRACTICE

Adding Fractions:

1. $\frac{3}{4} + \frac{4}{9}$

2. $\frac{3}{5} + \frac{8}{10}$

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

Adding Mixed Numbers:

4. $7\frac{1}{3} + 5\frac{7}{10}$

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

6. $3\frac{2}{3} + 4\frac{1}{2}$

Addition of Fractions Word Problems:

7. Julia ate $2\frac{3}{5}$ of a candy bar. Emma ate $\frac{13}{15}$ of a candy bar. How many candy bars did they eat all together?

8. Alessandra made three different types of pie. She used $3\frac{1}{4}$ cups of sugar in the first recipe, $2\frac{2}{3}$ cups in the second and $1\frac{11}{12}$ cups in the third. How many cups of sugar did Alessandra use all together?

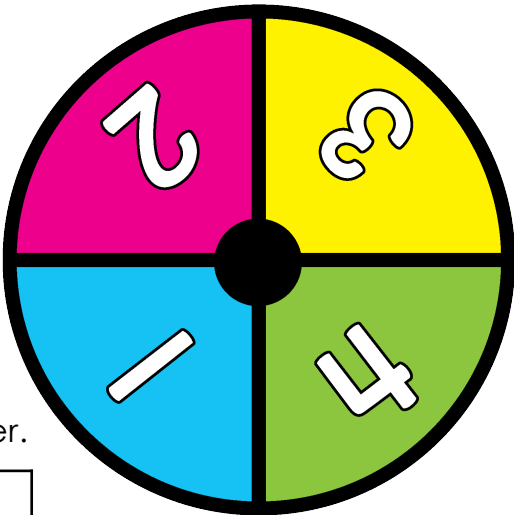
Adding Mixed Numbers

▶▶▶▶▶PARTNER PRACTICE

Directions: Each partner will spin the spinner once. The number each partner lands on will identify which mixed numbers will be added together. If each partner spins and lands on the same number, that's ok! That mixed number can just be added to itself.

Record the mixed numbers and sums in the table on this page.

For Example : Partner one spins a 2 and partner two spins a 3. Mixed numbers 2 and 3 will be added together.



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

Mixed #	+	Mixed #	=	Sum
	+		=	
	+		=	
	+		=	
	+		=	
	+		=	
	+		=	

TERMS OF USE

WWW.BEYONDTHEWORKSHEET.COM

BEYOND THE WORKSHEET
QUALITY, ENGAGING AND CONTENT-RICH
RESOURCES FOR MATH IN THE MIDDLE GRADES!

© Lindsay Perro. All Rights Reserved. Your download includes a limited use license from Lindsay Perro Inc. The purchaser may use the resource for **personal classroom use only**. This license is not transferable to another person. For a site or transferrable license pricing, please email me at lindsayperro@gmail.com

TO SHARE THIS RESOURCE WITH COLLEAGUES:

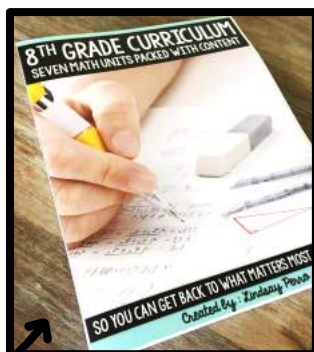
- Login to TPT and click on "My TPT" on the top right of your screen.
- Click on "My Purchases"
- Find the resource you'd like to share and click "Buy Additional Licenses".
- Purchase a discounted license for each colleague you plan to share with.
- Email a copy of the resource to each person you purchased a license for.

THIS RESOURCE IS NOT TO BE USED:

- As part of a product listed for sale or free by another individual.
- On shared databases.
- Online in any way other than on a password protected website for student use only.
 - Copying any part of this product and placing it on the internet in any form (with the exception of a single teacher's password protected website used by students only) is strictly forbidden and is a violation of the Digital Millennium Copyright Act (DMCA).

Your one stop shop for quality, proven and engaging math resources for grades 5 through Algebra II!

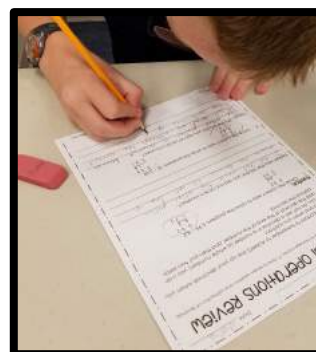
Click to learn more!



Complete Curriculum



Engaging Activities



Intervention Resources

Click here for Exclusive
**FREE Resources, News,
Giveaways and More!**

STAY IN TOUCH!



My goal is to help math teachers bring their students out of the math textbook and into a hands on, interactive and fun learning environment.



Lindsay Perro