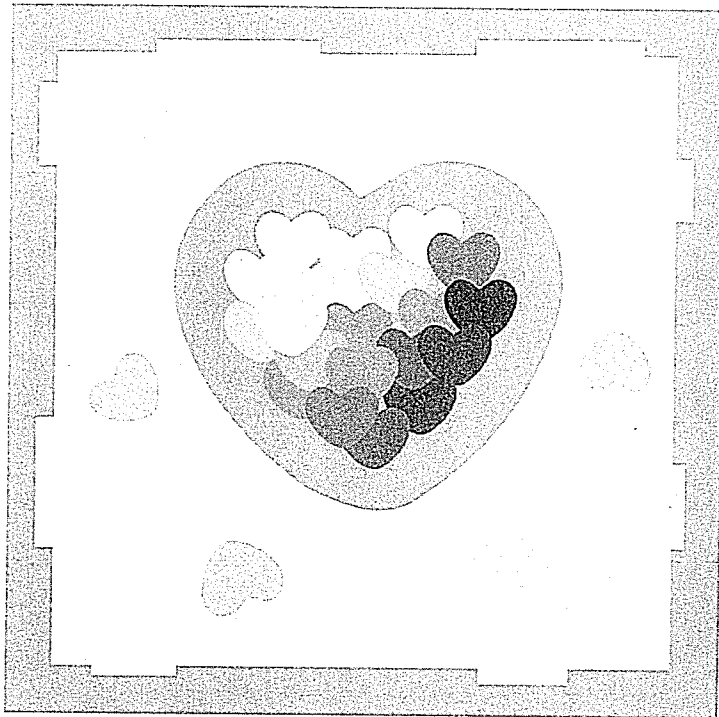


# 5<sup>th</sup> Grade Math

Week of February 1 - February 5, 2021



Name \_\_\_\_\_

\* Please do not complete until advised by teacher\*



February 1, 2021

Sixteen students in a drama club want to attend a play. The ticket price is \$35 for each student, and the transportation and meals for everyone will cost \$960.

If the students sell sweatshirts for a profit of \$19 each, how many will they have to sell in order to raise enough money for the trip?

Answer (with unit): \_\_\_\_\_

Equation that matches your work:

Explain your thinking:

Monday, 2/1/21

Exit Ticket Lesson 7-3

Find a common denominator for each set of fractions. Then rewrite the equivalent fractions and add.

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

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



## Additional Practice 7-3

### Add Fractions with Unlike Denominators

### Another Look!

Find  $\frac{1}{6} + \frac{5}{8}$ .

Remember: A multiple is a product of the number and any nonzero whole number.



#### Step 1

List multiples of the denominators.

Look for a multiple that is the same in both lists.

Choose the least one.

6: 6, 12, 18, 24, 30, 36, 42, 48

8: 8, 16, 24, 32, 40, 48

24 and 48 are common multiples of 6 and 8. 24 is the lesser of the two.

#### Step 2

Write equivalent fractions using the common multiple as the denominator.

$$\frac{1}{6} \quad \frac{1 \times 4}{6 \times 4} = \frac{4}{24}$$

$$\frac{5}{8} \quad \frac{5 \times 3}{8 \times 3} = \frac{15}{24}$$

#### Step 3

Add the fractions to find the total number of twenty-fourths.

$$\frac{4}{24} + \frac{15}{24} =$$

$$\frac{4 + 15}{24} = \frac{19}{24}$$

$$\text{So, } \frac{1}{6} + \frac{5}{8} = \frac{19}{24}$$

In 1–4, find each sum.

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

Least multiple that is the same: \_\_\_\_\_

Add using renamed fractions:

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \quad \text{or} \quad \frac{\square}{\square}$$

2.  $\frac{1}{9} + \frac{5}{6}$

Least multiple that is the same: \_\_\_\_\_

Add using renamed fractions:

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3.  $\frac{4}{5} + \frac{1}{15}$

Least multiple that is the same: \_\_\_\_\_

Add using renamed fractions:

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

Least multiple that is the same: \_\_\_\_\_

Add using renamed fractions:

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \quad \text{or} \quad \frac{\square}{\square}$$





February 2, 2021

A library had 6,422 music CDs stored on 26 shelves. If the same number of CDs were stored on each shelf, how many CDs were stored on each shelf?

Answer (with unit): \_\_\_\_\_

Equation that matches your work:

Explain your thinking:

Tuesday, 2/2/21

Exit Ticket Lesson 7-4

Find a common denominator for each set of fractions. Then rewrite the equivalent fractions and subtract.

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

2.  $\frac{4}{7} - \frac{2}{14}$



Name \_\_\_\_\_



Practice



Video



Tools



Games

# Additional Practice 7-4

## Subtract Fractions with Unlike Denominators

### Another Look!

Beth wants to exercise for  $\frac{4}{5}$  hour.  
 So far, she has exercised for  $\frac{2}{3}$  hour.  
 What fraction of an hour does she have left to exercise?



#### Step 1

Find a common multiple.

**Multiples of 5:**

5, 10, 15, 20

**Multiples of 3:**

3, 6, 9, 12, 15

Since 15 is a multiple of both 5 and 3, use 15 as a common denominator.

#### Step 2

Write equivalent fractions.

$$\frac{4}{5} \times \frac{3}{3} = \frac{12}{15}$$

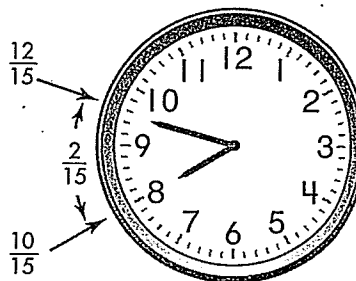
$$\frac{4}{5} = \frac{12}{15}$$

$$\frac{2}{3} \times \frac{5}{5} = \frac{10}{15}$$

$$\frac{2}{3} = \frac{10}{15}$$

#### Step 3

Subtract the numerators.



$$\frac{12}{15} - \frac{10}{15} = \frac{2}{15}$$

Beth has  $\frac{2}{15}$  hour left.

In 1-8, find each difference.

1.  $\frac{1}{3} = \frac{\square}{6}$   
 $-\frac{1}{6} = \frac{\square}{6}$   


---

 $\frac{\square}{\square}$

2.  $\frac{2}{3} = \frac{\square}{12}$   
 $-\frac{5}{12} = \frac{\square}{12}$   


---

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


---

4.  $\frac{2}{9} = \frac{\square}{72}$   
 $-\frac{1}{8} = \frac{\square}{72}$   


---

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


---

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


---

7.  $\frac{8}{8}$   
 $-\frac{4}{9}$   


---

8.  $\frac{17}{18}$   
 $-\frac{2}{3}$   


---



February 3, 2021

There are 12 players on a new softball team. Before the team starts playing games, the team must pay a total registration fee of \$572. Along with that fee, the team will also need to spend a total of \$1,240 on equipment.

To pay for the cost of the registration fee and the equipment, the players held a car wash and raised \$786. Then they decide to sell candles for \$9.50 per candle to cover the remaining costs. How many candles need to be sold?

Answer (with unit): \_\_\_\_\_

Equation that matches your work:

Explain your thinking:

Wednesday, 2/3/21

Exit Ticket

Lesson 7-5

Find the sum or difference.

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

2.  $\frac{7}{18} + \frac{5}{9}$

Name \_\_\_\_\_



## Additional Practice 7-5

### Add and Subtract Fractions

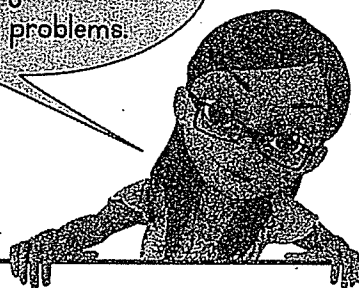
### Another Look!

Carla wants to make a Veggie Toss using eggplant, green peppers, spring onions, and mushrooms. She already has eggplant at home. How many pounds of the other ingredients does she need in all? Use data from the recipe.

#### Veggie Toss Recipe

Eggplant	$\frac{3}{4}$ pound (lb)
Green peppers	$\frac{1}{3}$ pound (lb)
Spring onions	$\frac{1}{4}$ pound (lb)
Mushrooms	$\frac{3}{8}$ pound (lb)

Use what you know about adding and subtracting fractions to solve problems.



### Step 1

List the amounts of green peppers, spring onions, and mushrooms. Then, find a common denominator and rename each fraction.

$$\left(\frac{1}{3} + \frac{1}{4}\right) + \frac{3}{8} = \left(\frac{8}{24} + \frac{6}{24}\right) + \frac{9}{24}$$

### Step 2

Add the renamed fraction amounts.

$$\frac{14}{24} + \frac{9}{24} = \frac{23}{24}$$

Carla needs  $\frac{23}{24}$  pound of the other veggies in all.

In 1–12, find the sum or difference.

1. 
$$\begin{array}{r} \frac{1}{12} \\ + \frac{7}{9} \\ \hline \end{array}$$

2. 
$$\begin{array}{r} \frac{4}{18} \\ + \frac{2}{9} \\ \hline \end{array}$$

3. 
$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{5} \\ \hline \end{array}$$

4. 
$$\begin{array}{r} \frac{5}{15} \\ + \frac{3}{5} \\ \hline \end{array}$$

5.  $\frac{1}{2} - \left(\frac{1}{8} + \frac{1}{8}\right)$

6.  $\frac{3}{4} + \left(\frac{1}{4} - \frac{1}{6}\right)$

7.  $\left(\frac{1}{2} + \frac{3}{20}\right) - \frac{2}{20}$

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

9.  $\frac{5}{4} - \frac{5}{8}$

10.  $\frac{2}{3} - \frac{2}{7}$

11.  $\frac{12}{15} - \frac{1}{6}$

12.  $\frac{5}{9} - \frac{3}{8}$



Thursday, 2/4/21

Exit Ticket Lesson 7-6

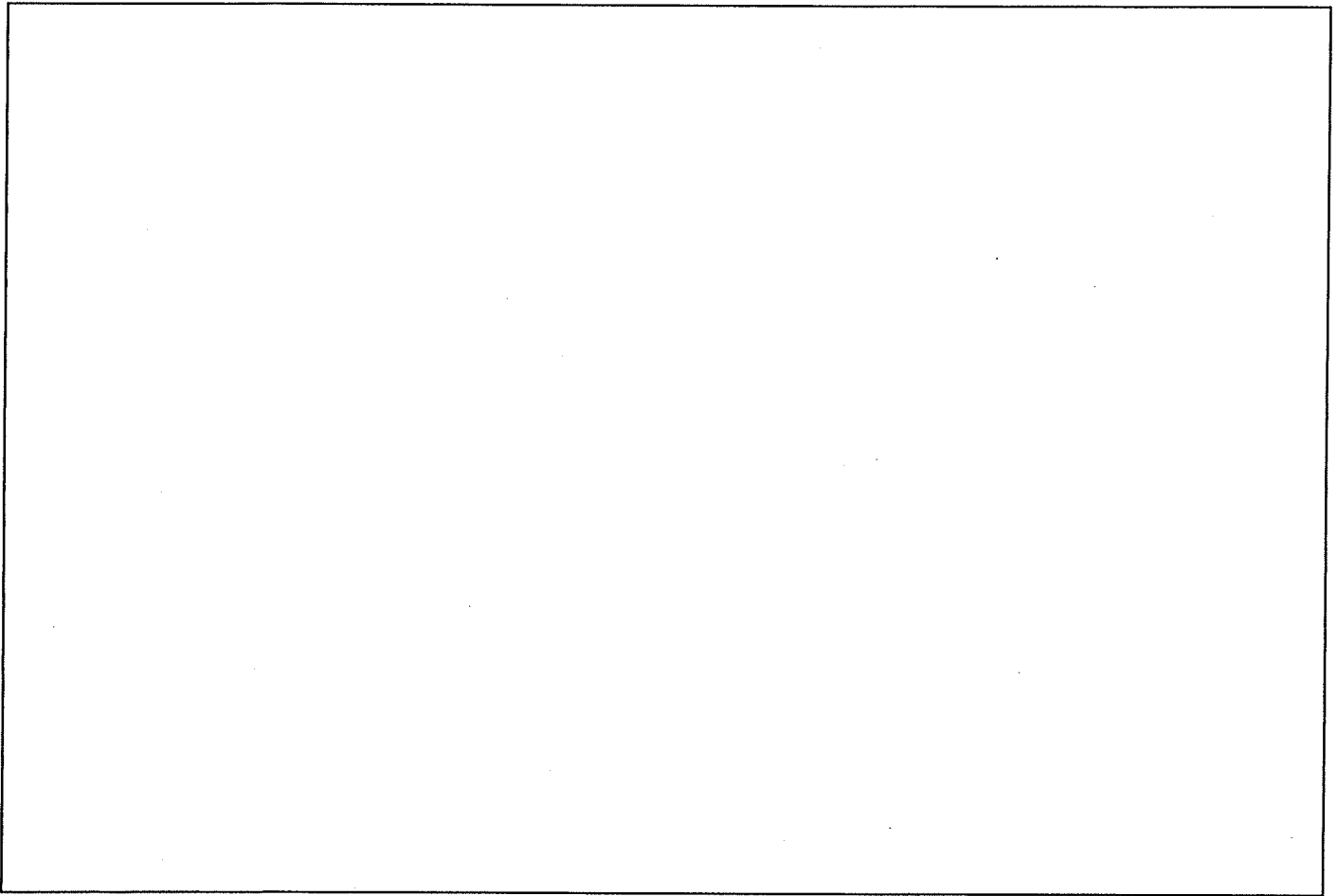
1. Estimate each sum or difference.

1.  $2\frac{2}{9} + 9\frac{3}{4}$

2.  $13\frac{1}{12} - 1\frac{9}{10}$

February 4, 2021

Each team in a youth basketball league pays \$984 to join the league. If a team consists of 12 players and the fee is divided equally among the players, how much does each player pay?

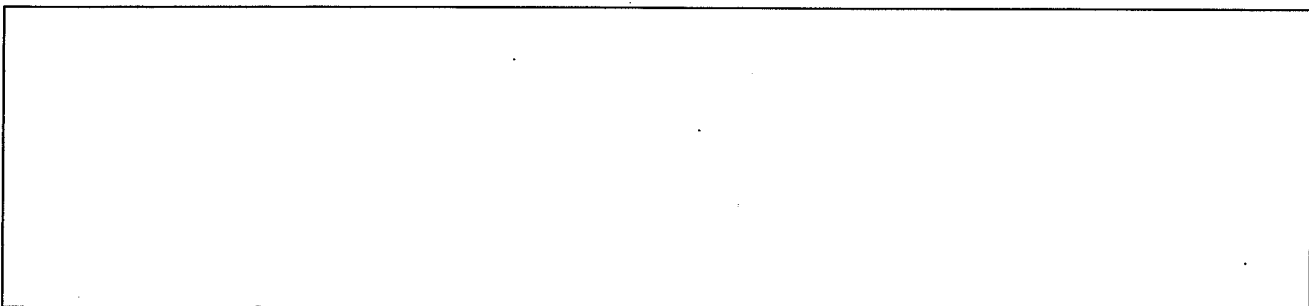


Answer (with unit): \_\_\_\_\_

Equation that matches your work:



Explain your thinking:







Practice



Video



Tools



Games

## Additional Practice 7-6

### Estimate Sums and Differences of Mixed Numbers

#### Another Look!

Kyra has  $4\frac{1}{8}$  yards of red ribbon and  $7\frac{2}{3}$  yards of blue ribbon. About how many yards of ribbon does she have?

Round both numbers to the nearest whole number. Then add or subtract.

$$\text{Estimate } 4\frac{1}{8} + 7\frac{2}{3}.$$

$$4\frac{1}{8} \text{ rounds to } 4.$$

$$7\frac{2}{3} \text{ rounds to } 8.$$

$$4 + 8 = 12$$

$$\text{So, } 4\frac{1}{8} + 7\frac{2}{3} \text{ is about } 12.$$

Kyra has about 12 yards of ribbon.

If the fractional part of a mixed number is greater than or equal to  $\frac{1}{2}$ , round to the next greater whole number. If it is less than  $\frac{1}{2}$ , use only the whole number.



In 1–8, round to the nearest whole number.

1.  $8\frac{5}{6}$

2.  $13\frac{8}{9}$

3.  $43\frac{1}{3}$

4.  $6\frac{6}{7}$

5.  $7\frac{40}{81}$

6.  $29\frac{4}{5}$

7.  $88\frac{2}{4}$

8.  $20\frac{3}{10}$

In 9–17, estimate each sum or difference.

9.  $7\frac{1}{9} + 8\frac{2}{5}$

10.  $14\frac{5}{8} - 3\frac{7}{10}$

11.  $2\frac{1}{4} + 5\frac{1}{2} + 10\frac{3}{4}$

12.  $11\frac{3}{5} - 4\frac{1}{12}$

13.  $9 + 3\frac{11}{14} + 5\frac{1}{9}$

14.  $15\frac{6}{7} - 12\frac{2}{10}$

15.  $3\frac{2}{5} + 6\frac{5}{7}$

16.  $20\frac{1}{3} - 9\frac{1}{2}$

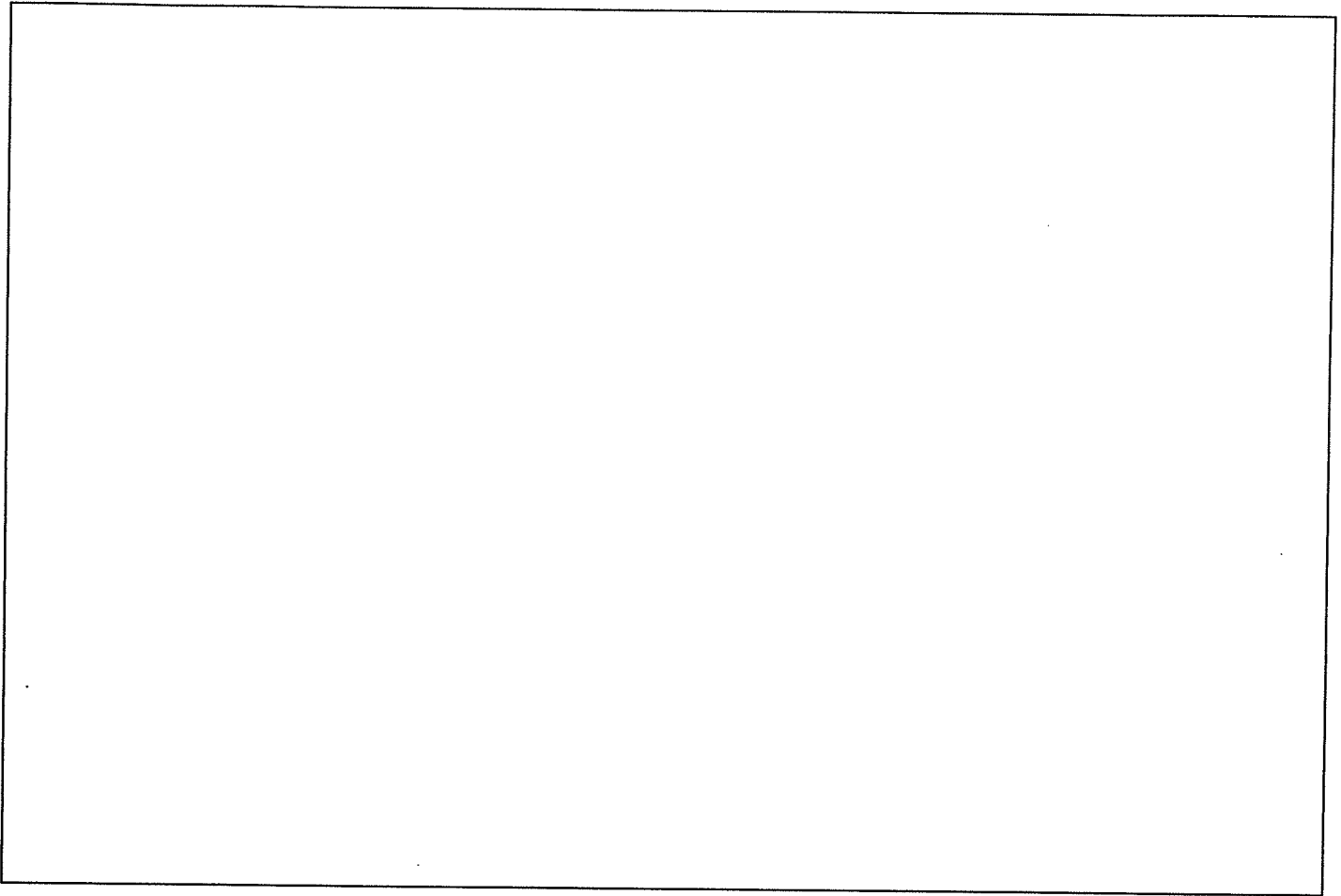
17.  $25\frac{7}{8} + 8\frac{7}{12}$





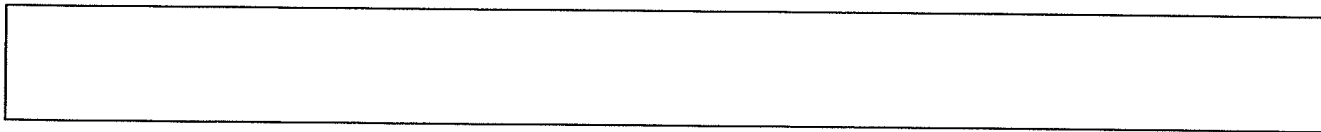
February 5, 2021

A juice company produced 8,064 cartons of juice in 21 days. Each day, they produced the same number of cartons and delivered those cartons to 16 area coffee shops. How many cartons were delivered to each coffee shop per day?

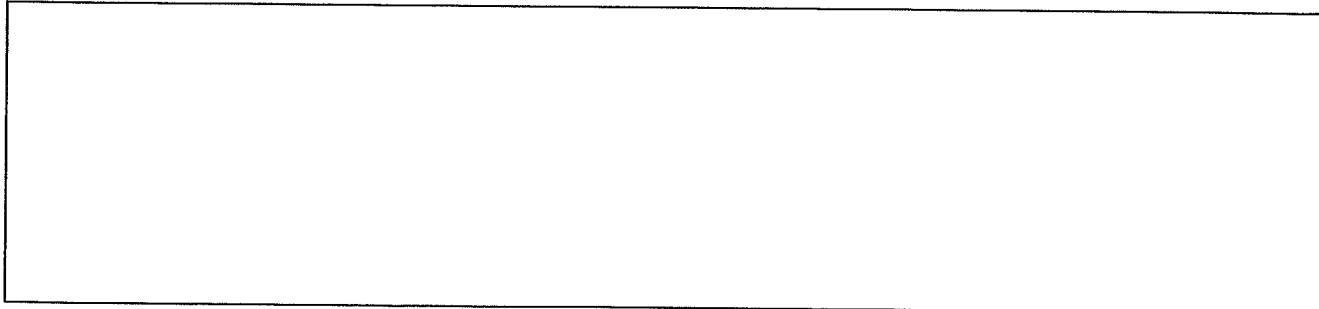


Answer (with unit): \_\_\_\_\_

Equation that matches your work:



Explain your thinking:



Friday, 2/5/21

Exit Ticket Lesson 7-7

Find each sum.

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

2.  $2\frac{6}{12} + 2\frac{1}{2}$

Name \_\_\_\_\_



## Additional Practice 7-7

### Use Models to Add Mixed Numbers

### Another Look!

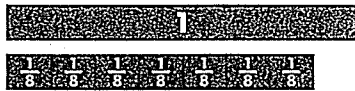
Draw a model to add  $1\frac{7}{8} + 2\frac{1}{4}$ .

Remember that you can use what you know about adding fractions to help you add mixed numbers.



### Step 1

Model each addend using fraction strips.



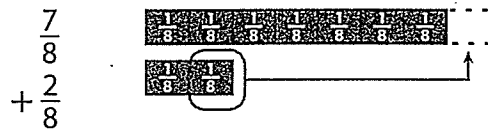
$$1\frac{7}{8}$$



$$2\frac{1}{4} = 2\frac{2}{8}$$

### Step 2

Add the fractions. Regroup if possible.



$$\frac{9}{8} = 1\frac{1}{8}$$

$$\frac{8}{8} = 1$$

$\frac{1}{8}$  left



### Step 3

Add the whole numbers to the regrouped fractions. Write the sum.

$$\text{So, } 1\frac{7}{8} + 2\frac{1}{4} = 3\frac{9}{8} = 4\frac{1}{8}$$



In 1–12, use fraction strips to find each sum.

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

2.  $2\frac{5}{12} + 4\frac{1}{4}$

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

4.  $2\frac{5}{8} + 4\frac{3}{4}$

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

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

7.  $3\frac{1}{4} + 4\frac{7}{8}$

8.  $4\frac{5}{6} + 5\frac{7}{12}$

9.  $2\frac{1}{4} + 4\frac{5}{8}$

10.  $6\frac{1}{2} + 7\frac{3}{4}$

11.  $4\frac{5}{8} + 6\frac{1}{2}$

12.  $2\frac{1}{3} + 4\frac{5}{12}$





Enrichment

# Check Out That Place Value!

**Directions:** Complete each inequality using  $>$ ,  $<$ , or  $=$ . Then, explain how you compared the numbers on the lines below.

①  $0.67$    $0.49$

---

---

---

②  $0.159$    $0.162$

---

---

---

③  $0.78$    $0.786$

---

---

---



Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Compare These!

**Directions:** Highlight the greater decimal. Then, write an inequality using the decimals and  $>$ ,  $<$ , or  $=$ .

①

ones	tenths	hundredths	thousandths
0	• 6	7	
0	• 8	1	

---

②


ones	tenths	hundredths	thousandths
0	• 3	4	3
0	• 3	4	9

---

③

ones	tenths	hundredths	thousandths
0	• 2	4	
0	• 2	3	6

---

 Explain how you know which number is greater.

---

---

---

# Quick ✓ Check

**Directions:** Choose *True* or *False* for each inequality.

①  $0.34 < 0.43$

True

False

②  $0.358 > 0.467$

True

False

③  $0.812 = 0.812$

True

False

④  $0.93 < 0.924$

True

False

**Directions:** Solve the problem below.

- ⑤ Thomas is comparing the height of his two dogs. Lewis is 0.345 meters high. Clark is 0.316 meters high. Which dog is taller? Explain how you know.

---

---

---

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

Date: \_\_\_\_\_

# Refocus


**Directions:** Follow the steps to compare the decimals.

1 0.3 and 0.1

Step 1: Model the decimals with your base ten blocks.

Step 2: Complete the inequality using  $>$ ,  $<$ , or  $=$ .

0.3  0.1

 Explain how you know which number is greater.

---


---

2 0.61 and 0.62

Step 1: Model the decimals with your base ten blocks.

Step 2: Complete the inequality using  $>$ ,  $<$ , or  $=$ .

0.61  0.62

 Explain how you know which number is greater.

---


---

3 0.4 and 0.43

Step 1: Model the decimals with your base ten blocks.

Step 2: Complete the inequality using  $>$ ,  $<$ , or  $=$ .

0.4  0.43

 Explain how you know which number is greater.

---

---

