

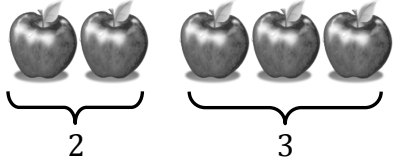
Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Add and Subtract Fractions

Practice to review... I can add and subtract fractions that have the same denominators!

I can use what I know about adding and subtracting whole numbers!

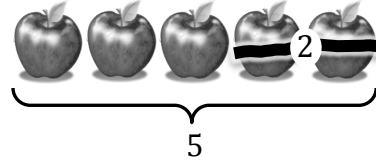
Think about combining groups to add.



$$2 \text{ apples} + 3 \text{ apples} = \underline{\hspace{2cm}} \text{ apples}$$

$$2 + 3 = \underline{\hspace{2cm}}$$

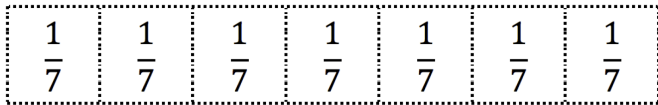
Think about separating or comparing groups to subtract.



$$5 \text{ apples} - 2 \text{ apples} = \underline{\hspace{2cm}} \text{ apples}$$

$$5 - 2 = \underline{\hspace{2cm}}$$

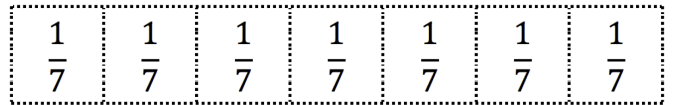
Think about combining groups of unit fractions to add.



$$2 \text{ sevenths} + 3 \text{ sevenths} = \underline{\hspace{2cm}} \text{ sevenths}$$

$$\frac{2}{7} + \frac{3}{7} = \frac{\square}{\square}$$

Think about separating or comparing groups of unit fractions to subtract.



$$5 \text{ sevenths} - 2 \text{ sevenths} = \underline{\hspace{2cm}} \text{ sevenths}$$

$$\frac{5}{7} - \frac{2}{7} = \frac{\square}{\square}$$

## Practice to remember...

Find each sum or difference.

1.  $\frac{1}{8} + \frac{5}{8} = \frac{\square}{\square}$

2.  $\frac{2}{9} + \frac{1}{9} = \frac{\square}{\square}$

3.  $\frac{7}{10} - \frac{6}{10} = \frac{\square}{\square}$

4.  $\frac{5}{8} - \frac{1}{8} = \frac{\square}{\square}$

Find the value of  $n$ .

5.  $\frac{12}{13} - \frac{n}{13} = \frac{2}{13}$

6.  $\frac{n}{9} - \frac{1}{9} = \frac{3}{9}$

7.  $\frac{2}{10} + \frac{n}{10} = \frac{7}{10}$

8.  $\frac{4}{9} + \frac{2}{n} = \frac{6}{9}$

$n = \underline{\hspace{2cm}}$

$n = \underline{\hspace{2cm}}$

$n = \underline{\hspace{2cm}}$

$n = \underline{\hspace{2cm}}$

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

## Remembering

Practice for fluency...

Choose the correct answer.

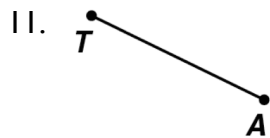
9. Which improper fraction is equivalent to  $3\frac{3}{8}$ ?

- a.  $\frac{27}{3}$     b.  $\frac{28}{8}$     c.  $\frac{27}{8}$     d.  $\frac{33}{8}$

10. Which mixed or whole number is equivalent to  $\frac{21}{7}$ ?

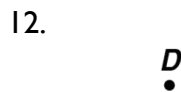
- a.  $1\frac{2}{7}$     b.  $2\frac{1}{7}$     c. 3    d. 21

Use words and symbols to name each figure.



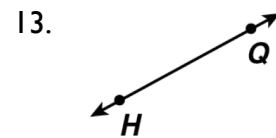
\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

Answer each question.

14. A rectangular room is 6 yards long and 12 feet wide. Find the perimeter in feet. Then find the perimeter in yards. Show your work.

15. What is the value of the digit 3 in the number 734,906? Explain how you know.

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

# Add and Subtract Fractions

Practice to review... I can add and subtract fractions that have the same denominators!

|   |  |               |               |               |               |               |               |               |               |               |               |               |               |               |  |
|---|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
| <p>Think about combining groups to add.</p> <div style="border: 1px dashed black; padding: 5px; display: flex; justify-content: space-around; margin-bottom: 10px;"> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> </div> <p>3 eighths + 1 eighth = _____ eighths</p>   | <p>Think about separating or comparing groups to subtract.</p> <div style="border: 1px dashed black; padding: 5px; display: flex; justify-content: space-around; margin-bottom: 10px;"> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> <math>\frac{1}{8}</math> </div> <p>3 eighths – 1 eighth = _____ eighths</p> |               |               |               |               |               |               |               |               |               |               |               |               |               |  |
| <p>Think about equivalent fractions to find the simplest form.</p>  |  |               |               |               |               |               |               |               |               |               |               |               |               |               |  |
| <div style="display: flex; align-items: center; justify-content: center;"> <math>\frac{3}{8} + \frac{1}{8} = \frac{\square}{8} = \frac{\square}{\square}</math> </div> <div style="margin-top: 10px; display: flex; justify-content: center; gap: 20px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td><td><math>\frac{1}{8}</math></td></tr> <tr><td><math>\frac{1}{4}</math></td><td><math>\frac{1}{4}</math></td><td><math>\frac{1}{4}</math></td><td><math>\frac{1}{4}</math></td></tr> <tr><td><math>\frac{1}{2}</math></td><td><math>\frac{1}{2}</math></td></tr> </table> </div> | $\frac{1}{8}$  | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | <div style="display: flex; align-items: center; justify-content: center;"> <math>\frac{3}{8} - \frac{1}{8} = \frac{\square}{8} = \frac{\square}{\square}</math> </div> |
| $\frac{1}{8}$   | $\frac{1}{8}$  | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |               |               |               |               |               |               |               |  |
| $\frac{1}{4}$   | $\frac{1}{4}$  | $\frac{1}{4}$ | $\frac{1}{4}$ |               |               |               |               |               |               |               |               |               |               |               |  |
| $\frac{1}{2}$   | $\frac{1}{2}$  |               |               |               |               |               |               |               |               |               |               |               |               |               |  |

## Practice to remember...

Find each sum or difference. Write your answer in simplest form.

- |                                |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 1. $\frac{2}{6} + \frac{2}{6}$ | 2. $\frac{4}{7} - \frac{2}{7}$ | 3. $\frac{5}{8} + \frac{3}{8}$ | 4. $\frac{6}{8} - \frac{2}{8}$ |
| _____                          | _____                          | _____                          | _____                          |

Find the value of  $n$ .

- |   |  |  |                                    |
|---|--|--|------------------------------------|
| 5. $\frac{6}{10} - \frac{n}{10} = \frac{3}{10}$ | 6. $\frac{n}{9} + \frac{5}{9} = \frac{8}{9}$ | 7. $\frac{7}{8} - \frac{n}{8} = \frac{1}{2}$ | 8. $\frac{1}{7} + \frac{n}{7} = 1$ |
| $n =$ _____                                     | $n =$ _____                                  | $n =$ _____                                  | $n =$ _____                        |

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

### Practice to remember...

Answer the question.

9. Linda and Charlie ordered a pizza. The pizza had 8 slices. Linda ate 2 slices and Charlie ate 3 slices. What fraction of the pizza was left over? Show how you know.

## Remembering

### Practice for fluency...

Suppose you have a cube with sides numbered 1, 2, 3, 4, 5, and 6.  
If the cube is tossed 30 times, predict how many times you will toss each.

- |                    |             |             |             |
|--------------------|-------------|-------------|-------------|
| 10. an even number | 11. 3 or 4  |             |             |
| a. 2 times         | b. 5 times  | a. 2 times  | b. 5 times  |
| c. 10 times        | d. 15 times | c. 10 times | d. 15 times |

Write the numbers in order from least to greatest.

12. 2,380    23,809    3,210                      13. 34,570    36,570    35,903

\_\_\_\_\_

Choose the better estimate of capacity of each.

14. Marsha, Ashley, Peter and Dawn have 45 pieces of candy to share equally. How many pieces will each get? How many are left over? Explain your answers.

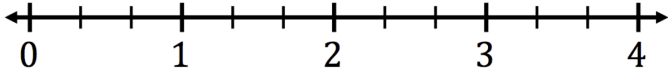
15. Anna is rearranging the four letters of her first name. How many different ways can she rearrange the letters of her first name? Show how you know.

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

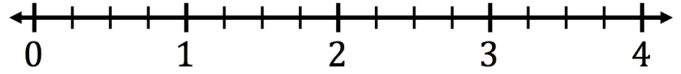
# Add and Subtract Mixed Numbers

Practice to review... I can add and subtract mixed numbers with like denominators!

I can use a number line to model addition and subtraction with mixed numbers.



$$1\frac{1}{3} + 2\frac{1}{3} = \boxed{\phantom{00}}\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$



$$3\frac{3}{4} - 1\frac{1}{4} = \boxed{\phantom{00}}\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

## Practice to remember...

Find each sum or difference.

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

5.  $8\frac{7}{10} - 3\frac{2}{10}$

\_\_\_\_\_

6.  $3\frac{4}{9} - 2\frac{1}{9}$

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

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

## Remembering

Practice for fluency...

Use the graph at the right to name each point.

9. Start at 0.

Move right 6 units.

Move up 7 units.

a. *S*

b. *T*

c. *U*

d. *V*

10. Start at 0.

Move right 3 units.

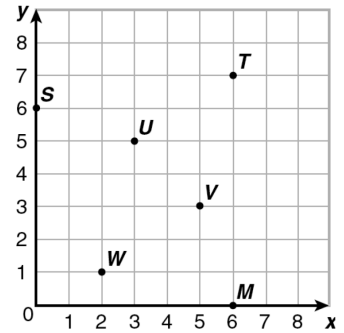
Move up 5 units.

a. *S*

b. *T*

c. *U*

d. *V*



Use basic facts and mental math to find each product.

11.  $40 \times 2 =$  \_\_\_\_\_

12.  $40 \times 20 =$  \_\_\_\_\_

13.  $400 \times 20 =$  \_\_\_\_\_

14.  $4,000 \times 20 =$  \_\_\_\_\_

Choose the better estimate of capacity of each.

15. Jessica made a design in which 3 out of every 7 triangles were blue. Jessica's design contained 63 triangles. How many triangles were blue? Show how you know.

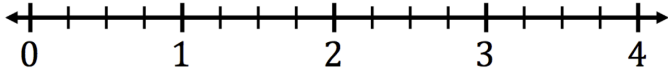
16. Missy writes the number  $6\frac{60}{100}$ . Jessica writes the number 6.6. Marion writes the number "six and six tenths." Joseph writes  $6 + 0.6$ . Did each student write the same number? Explain.

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

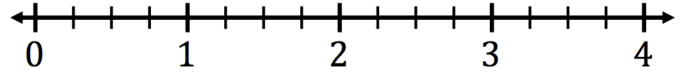
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I can use a number line to model addition and subtraction with mixed numbers.

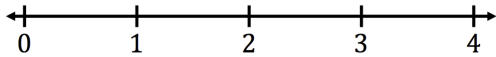
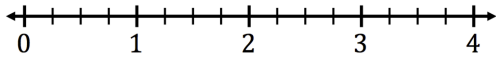


$$1\frac{1}{4} + 1\frac{3}{4} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

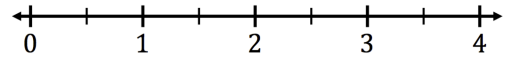
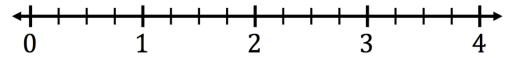


$$2\frac{3}{4} - 1\frac{1}{4} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

Think about equivalent fractions to find the simplest form.



$$1\frac{1}{4} + 1\frac{3}{4} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}}$$



$$2\frac{3}{4} - 1\frac{1}{4} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

## Practice to remember...

Mental Math. Is the answer a whole number? Write **yes** or **no**.

1.  $3\frac{2}{7} + 1\frac{2}{7}$

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

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

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Find each sum or difference. Write your answer in simplest form.

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

6.  $3\frac{5}{8} - 2\frac{3}{8}$

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

8.  $5\frac{8}{12} - 1\frac{2}{12}$

\_\_\_\_\_

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