

# Remembering

Add.

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

2.  $\frac{1}{5} + \frac{8}{15}$

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

Subtract.

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

5.  $\frac{5}{6} - \frac{5}{9}$

6.  $\frac{3}{5} - \frac{1}{12}$

Add or Subtract.

7. 
$$\begin{array}{r} 5 \\ - 3\frac{5}{8} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 8\frac{1}{5} \\ + 5\frac{4}{7} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 11\frac{2}{5} \\ - 6\frac{3}{20} \\ \hline \end{array}$$

Solve.

*Show your work.*

10. Kennedy served  $15\frac{3}{4}$  hours of volunteer service last month. She served  $21\frac{5}{6}$  hours of volunteer service this month. How many more hours did she serve this month?
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11. **Stretch Your Thinking** Draw a diagram that shows  $0.5$  and  $\frac{1}{2}$  are equivalent.

## Remembering

Add or Subtract.

$$\begin{array}{r} 1. \quad 8\frac{1}{6} \\ - 3\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 6\frac{3}{4} \\ + 2\frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 9\frac{2}{3} \\ + 5\frac{7}{10} \\ \hline \end{array}$$

Solve.

*Show your work.*

4. Tanner earns 5 credits while playing on a math review website. He uses  $2\frac{4}{15}$  credits while reviewing fractions. How many credits does he have left?
- \_\_\_\_\_

Estimate the sum or difference by rounding each mixed number to the nearest whole number. Then find the actual sum or difference.

$$\begin{array}{r} 5. \quad 15\frac{5}{6} \\ - 2\frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 8\frac{3}{5} \\ + 3\frac{1}{2} \\ \hline \end{array}$$

Estimate: \_\_\_\_\_

Estimate: \_\_\_\_\_

Difference: \_\_\_\_\_

Sum: \_\_\_\_\_

Write each fraction as a decimal and then say it.

7.  $\frac{44}{100}$  \_\_\_\_\_

8.  $\frac{13}{1,000}$  \_\_\_\_\_

9.  $\frac{3}{10}$  \_\_\_\_\_

10.  $\frac{541}{1,000}$  \_\_\_\_\_

11. **Stretch Your Thinking** Draw two number lines that show 0.20 and  $\frac{1}{5}$  are equivalent.

## Remembering

Estimate the sum or difference by rounding each mixed number to the nearest whole number. Then find the actual sum or difference.

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

Estimate: \_\_\_\_\_

Sum: \_\_\_\_\_

2.  $7\frac{5}{8} - 1\frac{1}{2}$

Estimate: \_\_\_\_\_

Difference: \_\_\_\_\_

Solve. Explain how you know your answer is reasonable.

*Show your work.*

3. Eli practices for a piano recital  $3\frac{3}{4}$  hours in one week. In the same week, he practices basketball  $1\frac{2}{3}$  hours. How much longer does he practice for his piano recital?

Answer: \_\_\_\_\_

Why is the answer reasonable?

\_\_\_\_\_

\_\_\_\_\_

Write a decimal number for each word name.

4. six hundred two and six tenths

\_\_\_\_\_

5. five thousandths

\_\_\_\_\_

6. **Stretch Your Thinking** Draw two number lines that show 0.200 and  $\frac{1}{5}$  are equivalent.

## Remembering

Use benchmarks of  $0$ ,  $\frac{1}{2}$ , and  $1$  to estimate the sum or difference. Then find the actual sum or difference.

1.  $\frac{7}{12} + \frac{5}{6}$

Estimate: \_\_\_\_\_

Sum: \_\_\_\_\_

2.  $\frac{4}{9} - \frac{7}{18}$

Estimate: \_\_\_\_\_

Difference: \_\_\_\_\_

Solve. Explain how you know your answer is reasonable.

*Show your work.*

3. Jordan is making a beaded necklace. Two thirds of the beads she uses are red and  $\frac{4}{21}$  of the beads are blue. She wants the rest to be white. What fraction of the beads should be white?

Answer: \_\_\_\_\_

Why is the answer reasonable?

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Compare. Write  $>$  (greater than) or  $<$  (less than).

4.  $0.2 \bigcirc 0.19$

5.  $0.564 \bigcirc 0.602$

6.  $0.08 \bigcirc 0.8$

7. **Stretch Your Thinking** Draw a diagram that shows  $0.27 + 0.23 = \frac{1}{2}$ .

## Remembering

Compare. Write  $>$  (greater than) or  $<$  (less than).

1.  $\frac{3}{7} \bigcirc \frac{3}{8}$

2.  $\frac{1}{8} \bigcirc \frac{1}{6}$

3.  $\frac{9}{11} \bigcirc \frac{7}{11}$

4.  $\frac{4}{8} \bigcirc \frac{5}{6}$

5.  $\frac{5}{6} \bigcirc \frac{3}{4}$

6.  $\frac{7}{12} \bigcirc \frac{6}{7}$

Compare. Write  $>$  (greater than) or  $<$  (less than).

7.  $0.17 \bigcirc 0.28$

8.  $0.275 \bigcirc 0.109$

9.  $0.29 \bigcirc 0.3$

10.  $0.61 \bigcirc 0.58$

11.  $0.81 \bigcirc 0.79$

12.  $0.05 \bigcirc 0.5$

Add or subtract.

$$\begin{array}{r} 13. \quad 0.8 \\ + 0.07 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 0.22 \\ + 0.49 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 2.6 \\ - 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 5.6 \\ - 4.87 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 7 \\ - 3.8 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 0.96 \\ + 0.17 \\ \hline \end{array}$$

19. **Stretch Your Thinking** Write 4 different mixed decimals that equal 11 wholes. Draw a picture that shows you are correct.

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## Remembering

Write the mixed number as a fraction.

1.  $1\frac{3}{5} =$  \_\_\_\_\_

2.  $3\frac{1}{8} =$  \_\_\_\_\_

3.  $2\frac{2}{3} =$  \_\_\_\_\_

4.  $4\frac{4}{7} =$  \_\_\_\_\_

5.  $1\frac{1}{3} =$  \_\_\_\_\_

6.  $3\frac{5}{6} =$  \_\_\_\_\_

Add or subtract.

$$\begin{array}{r} 7. \quad 6 \\ - 4.1 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 0.32 \\ + 0.92 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 4.5 \\ - 3.77 \\ \hline \end{array}$$

10.  $44¢ + \$4.87 =$  \_\_\_\_\_

11.  $32¢ + 66¢ =$  \_\_\_\_\_

12.  $0.43 \text{ m} + 0.77 \text{ m} =$  \_\_\_\_\_

Solve.

*Show your work.*

13. When Erin got her puppy, Cuddles, he weighed 788.52 grams. He now weighs 2,313.6 grams more than he did when Erin first brought him home. How much does Cuddles weigh now?

\_\_\_\_\_

14. **Stretch Your Thinking** Write a subtraction equation with a difference of 54.57. Then draw a number line to show between which two whole numbers the difference lies.

\_\_\_\_\_

## Remembering

Solve.

*Show your work.*

1. Trent is making a week's worth of after-school snacks for himself and his sister. He uses  $1\frac{1}{5}$  cups of mixed nuts and  $2\frac{3}{4}$  cups of granola. How many cups did he use in all?
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2. Shannon walked  $4\frac{7}{8}$  miles and ran  $3\frac{1}{2}$  miles during the week. How much further did she walk than run?
- 

Add.

3.  $\$54.25 + 55¢ =$  \_\_\_\_\_      4.  $68¢ + 21¢ =$  \_\_\_\_\_      5.  $92¢ + \$2.39 =$  \_\_\_\_\_

6. 
$$\begin{array}{r} 0.06 \text{ m} \\ + 0.9 \text{ m} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 0.44 \text{ m} \\ + 0.15 \text{ m} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 5.6 \text{ m} \\ + 0.7 \text{ m} \\ \hline \end{array}$$

Subtract.

9. 
$$\begin{array}{r} 70,763 \\ - 2,176 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 6,982 \\ - 455 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 5,000 \\ - 452 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 46,872 \\ - 8.28 \\ \hline \end{array}$$

13. 
$$\begin{array}{r} 561.5 \\ - 478.49 \\ \hline \end{array}$$

14. 
$$\begin{array}{r} 676.54 \\ - 196.9 \\ \hline \end{array}$$

15. **Stretch Your Thinking** Use decimals and fractions in the same equation showing the Commutative Property. Repeat for the Associative Property.
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## Remembering

Solve.

Show your work.

1. Matt pours  $3\frac{2}{3}$  cups of orange juice into a measuring cup from a large container. Then he pours  $1\frac{1}{4}$  cups back into the container. How much orange juice remains in the measuring cup?
- \_\_\_\_\_

2. The school cafeteria manager orders  $7\frac{3}{8}$  pounds of red onions and  $10\frac{1}{2}$  pounds of yellow onions. How many pounds of onions did the manager order in all?
- \_\_\_\_\_

Subtract.

$$\begin{array}{r} 3. \quad 21,445 \\ - 3,548 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 980.3 \\ - 525.35 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 774.12 \\ - 248.8 \\ \hline \end{array}$$

Use the Distributive Property to rewrite each problem so it has only two factors. Then solve.

6.  $(5 \times 600) + (5 \times 400) =$  \_\_\_\_\_

7.  $(15 \times 6) + (85 \times 6) =$  \_\_\_\_\_

8. **Stretch Your Thinking** Name three decimals between 16.4 and 16.5. Draw a number line estimating the placement of all five decimals.
- \_\_\_\_\_



# Remembering

Multiply.

1.  $45 \cdot 3 = \underline{\hspace{2cm}}$

2.  $431 \cdot 6 = \underline{\hspace{2cm}}$

3.  $17 \cdot 32 = \underline{\hspace{2cm}}$

4.  $34 \cdot 67 = \underline{\hspace{2cm}}$

5.  $1,509 \cdot 3 = \underline{\hspace{2cm}}$

6.  $5,098 \cdot 7 = \underline{\hspace{2cm}}$

Regroup the numbers using the Associative Property. Then add.

7.  $3.6 + (0.4 + 0.25) = \underline{\hspace{4cm}}$

8.  $2\frac{6}{10} + (\frac{4}{10} + \frac{4}{5}) = \underline{\hspace{4cm}}$

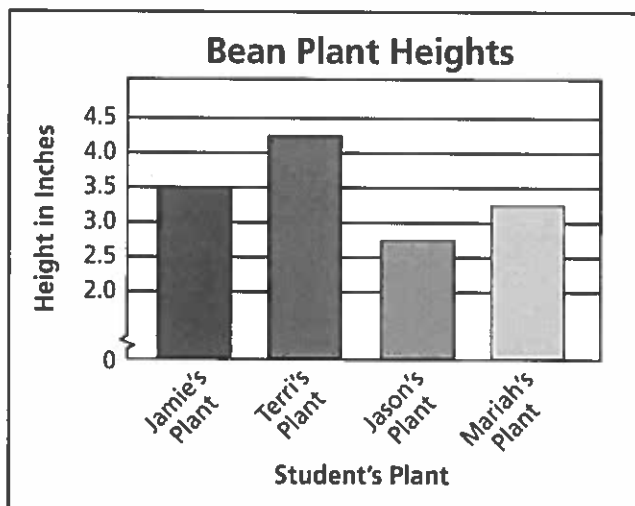
Estimate each sum or difference.

9.  $7.535 + 2.706$

10.  $\$27.89 - \$12.64$

11.  $11.1 + 9.9$

12. **Stretch Your Thinking** The bar graph shows the heights of bean plants for four students in Mrs. Jarnigan's fourth-grade science class.



Write a two-step problem using the data from the graph.

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## Remembering

Solve.

*Show your work.*

1. During a movie, Kelley eats  $12\frac{2}{7}$  ounces of snack mix and Madison eats  $15\frac{3}{4}$  ounces of snack mix. How much did they eat altogether?
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2. Caleb practices the piano for  $15\frac{2}{3}$  minutes on Monday and  $21\frac{1}{2}$  minutes on Tuesday. How much longer did he practice on Tuesday?
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Estimate each sum or difference.

3.  $13.2 + 52.7$

4.  $19.454 + 1.897$

5.  $\$33.03 - \$10.78$

Carly made a bar graph to show how far each of her toy cars traveled.

6. How much farther did Carly's yellow car travel than her blue car?
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7. What is the greatest and least distance traveled? What is the difference between the two distances?
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8. **Stretch Your Thinking** Brad has 32 ounces of mixed fruit to share with three friends. He gives 7.65 ounces to Carrie, 8.02 ounces to Joshua, and 6.88 ounces to Terrell. How much mixed fruit is left for Brad?
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