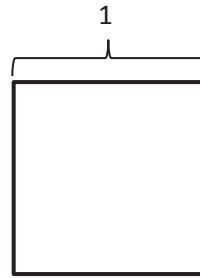
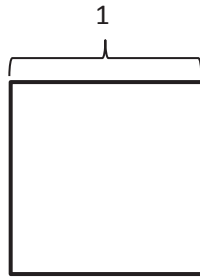
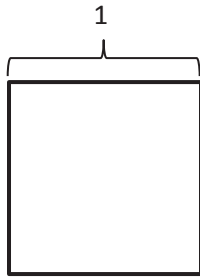




Name \_\_\_\_\_

Date \_\_\_\_\_

Estimate to mark points 0 and 1 above the number line, and  $\frac{0}{6}$ ,  $\frac{1}{6}$ ,  $\frac{2}{6}$ ,  $\frac{3}{6}$ ,  $\frac{4}{6}$ ,  $\frac{5}{6}$ , and  $\frac{6}{6}$  below it. Use the squares below to represent fractions equivalent to 1 sixth using both arrays and equations.



$$\frac{1}{6} = \frac{1 \times 2}{6 \times 2} = \frac{2}{12}$$

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1. Show each expression on a number line. Solve.

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

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

2. Express each fraction as the sum of two or three equal fractional parts. Rewrite each as a multiplication equation. Show Part (b) on a number line.

a.  $\frac{6}{9}$

b.  $\frac{15}{4}$

Name \_\_\_\_\_

Date \_\_\_\_\_

Solve by drawing the rectangular fraction model.

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

2. In one hour, Ed used  $\frac{2}{5}$  of the time to complete his homework and  $\frac{1}{4}$  of the time to check his email. How much time did he spend completing homework and checking email? Write your answer as a fraction. (Extension: Write the answer in minutes.)

Name \_\_\_\_\_

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1. Draw a model to help solve  $\frac{5}{6} + \frac{1}{4}$ . Write your answer as a mixed number.

2. Patrick drank  $\frac{3}{4}$  liter of water Monday before jogging. He drank  $\frac{4}{5}$  liter of water after his jog. How much water did Patrick drink altogether? Write your answer as a mixed number.

Name \_\_\_\_\_

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For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

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

b.  $\frac{3}{5} - \frac{1}{2} =$

Name \_\_\_\_\_

Date \_\_\_\_\_

For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

a.  $1\frac{1}{5} - \frac{1}{2} =$

b.  $1\frac{1}{3} - \frac{5}{6} =$

Name \_\_\_\_\_

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Solve the word problem using the RDW strategy. Show all of your work.

Mr. Pham mowed  $\frac{2}{7}$  of his lawn. His son mowed  $\frac{1}{4}$  of it. Who mowed the most? How much of the lawn still needs to be mowed?



Name \_\_\_\_\_

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Add or subtract.

a.  $5 + 1\frac{7}{8} =$

b.  $3 - 1\frac{3}{4} =$

c.  $7\frac{3}{8} + 4 =$

d.  $4 - 2\frac{3}{7} =$

Name \_\_\_\_\_

Date \_\_\_\_\_

Make like units, and then add.

a.  $\frac{1}{6} + \frac{3}{4} =$

b.  $1\frac{1}{2} + \frac{2}{5} =$

Name \_\_\_\_\_

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Add.

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

2.  $4\frac{5}{7} + 3\frac{3}{4} =$

Name \_\_\_\_\_

Date \_\_\_\_\_

Generate equivalent fractions to get like units. Then, subtract.

a.  $\frac{3}{4} - \frac{3}{10} =$

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

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Subtract.

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

2.  $8\frac{3}{4} - 5\frac{5}{6} =$

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Date \_\_\_\_\_

1. Circle the correct answer.

a.  $\frac{1}{2} + \frac{5}{12}$                       greater than 1                      less than 1

b.  $2\frac{7}{8} - 1\frac{7}{9}$                       greater than 1                      less than 1

c.  $1\frac{1}{12} - \frac{7}{10}$                       greater than  $\frac{1}{2}$                       less than  $\frac{1}{2}$

d.  $\frac{3}{7} + \frac{1}{8}$                       greater than  $\frac{1}{2}$                       less than  $\frac{1}{2}$

2. Use  $>$ ,  $<$ , or  $=$  to make the following statement true.

$$4\frac{4}{5} + 3\frac{2}{3} \text{ \_\_\_\_\_\_ } 8\frac{1}{2}$$

Name \_\_\_\_\_

Date \_\_\_\_\_

Fill in the blank to make the statement true.

1.  $1\frac{3}{4} + \frac{1}{6} + \underline{\hspace{2cm}} = 7\frac{1}{2}$

2.  $8\frac{4}{5} - \frac{2}{3} - \underline{\hspace{2cm}} = 3\frac{1}{10}$

Name \_\_\_\_\_

Date \_\_\_\_\_

Solve the word problem using the RDW strategy. Show all of your work.

Cheryl bought a sandwich for  $5\frac{1}{2}$  dollars and a drink for \$2.60. If she paid for her meal with a \$10 bill, how much money did she have left? Write your answer as a fraction and in dollars and cents.



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Draw the following ribbons.

- a. 1 ribbon. The piece shown below is only  $\frac{2}{3}$  of the whole. Complete the drawing to show the whole ribbon.



- b. 1 ribbon. The piece shown below is  $\frac{1}{4}$  of the whole. Complete the drawing to show the whole ribbon.



- c. 3 ribbons, A, B, and C. 1 third of A is the same length as B. C is half as long as B. Draw a picture of the ribbons.