

1 Karen is typing a 4,000-word essay. She can type about 30 words per minute. If she types for 45 minutes on Monday and 55 minutes on Tuesday, about how many words will she still have to type to finish her essay?

Estimate:

\_\_\_\_\_

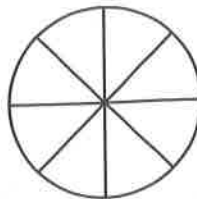
Number model with unknown:

\_\_\_\_\_

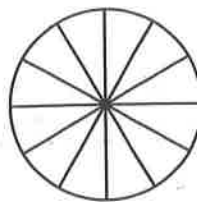
Answer: About \_\_\_\_\_ words



2 a. Shade  $\frac{2}{4}$  of the whole.



b. Shade  $\frac{4}{6}$  of the whole.



3 Compare  $\frac{2}{3}$  and  $\frac{3}{6}$ . Which fraction is greater? \_\_\_\_\_

Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



4 Ming's science beaker contains 2 liters of water. For the experiment, Kelly added 26 milliliters of liquid coloring and Ryan added another 145 milliliters of liquid soap. How many milliliters of liquid are in Ming's beaker now? Show your work.

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



5 **Writing/Reasoning** Look at your answer for Problem 1. Explain how you know the answer is reasonable and makes sense.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



- 1** a. Decompose  $\frac{4}{10}$  as the sum of unit fractions.

\_\_\_\_\_

- b. Write a different equation to show  $\frac{4}{10}$  decomposed.

\_\_\_\_\_

SRB  
125-127

- 2** Carrie filled her watering can with 5 liters of water. When she finished watering her plants, there was still 1,500 milliliters of water in her can. How much water did she use? Circle ALL that apply.

- A.  $3\frac{1}{2}$  liters
- B. 6,500 milliliters
- C.  $3\frac{1}{2}$  quarts
- D. 3,500 milliliters

SRB  
193-194

- 3** Blaine School has \$26,000 for school improvements. It has already spent \$23,570. It plans to add a new front door for \$674, a rug for \$245, and a new principal's desk for \$561. Does the school still have enough money to get a sign that costs \$399?

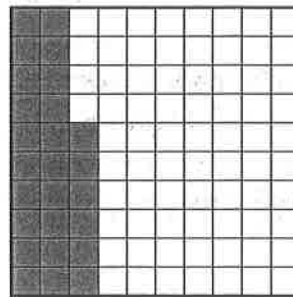
Answer: \_\_\_\_\_

Explain.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SRB  
82-89

- 4** Write the fraction, decimal, and words for the value shown.

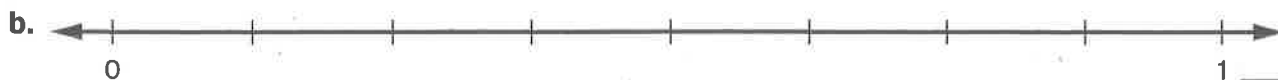


Fraction: \_\_\_\_\_ Decimal: \_\_\_\_\_

Words: \_\_\_\_\_

SRB  
150-151

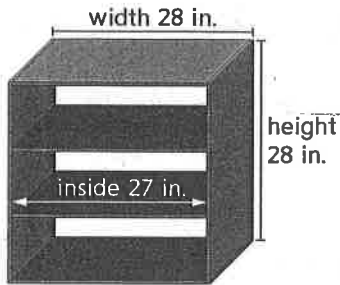
- 5** Fill in the missing fractions.



\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SRB  
135

- 1 Roger wants to build a square display case out of teak wood. The outside frame is made of boards that are 28 inches long. The 2 shelves are each 27 inches long. The store has 175 inches of teak wood available.



Does the store have enough? \_\_\_\_\_

Number model with unknown:

\_\_\_\_\_



- 3 Compare  $\frac{2}{5}$  and  $\frac{9}{10}$ . Which fraction is greater? \_\_\_\_\_

Explain how you know.

\_\_\_\_\_

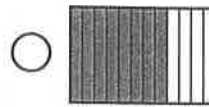
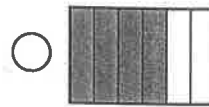
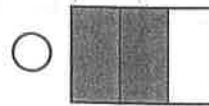
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



- 2 Which rectangle has  $\frac{2}{3}$  shaded? Fill in the circle next to the best answer.



All of the above

None of the above

- 4 The Larsen family's motor home has 2 large gasoline tanks. Each tank has a capacity of 95 liters. On a recent trip the Larsens refueled 3 times with the following amounts of gasoline:

Stop 1 135 liters

Stop 2 164 liters

Stop 3 159 liters

How many milliliters of gas did they add to the tanks on their trip?

\_\_\_\_\_ milliliters



- 5 **Writing/Reasoning** Look at Problem 2. Explain how you chose your answer.

\_\_\_\_\_

\_\_\_\_\_



1 a. Decompose  $\frac{3}{8}$  as the sum of unit fractions.

\_\_\_\_\_

b. Write a different equation to show  $\frac{3}{8}$ .

\_\_\_\_\_



2 A milk truck's tank holds about 6,300 gallons of milk. If the first dairy farmer has 948 gallons of milk to be picked up, about how many more gallons can the tank hold?

Show your work.

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

How many quarts is that?

\_\_\_\_\_ quarts



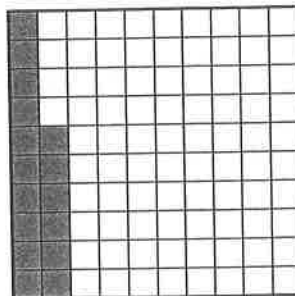
3 The school raffle raised \$197 on Monday, \$123 on Tuesday, \$81 on Wednesday, and \$56 on Thursday. How much money did the raffle raise on these days?

Show your work.

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



4 Write the fraction, decimal, and words for the value shown.



Fraction: \_\_\_\_\_ Decimal: \_\_\_\_\_

Words: \_\_\_\_\_



5 Fill in the missing fractions.



1 Dariush ate  $\frac{3}{8}$  of the coffee cake while Eton ate  $\frac{4}{8}$ . How much of the coffee cake did the boys eat?

\_\_\_\_\_ of the coffee cake



2 The maximum weight allowed at one time on a walking bridge is 400,000 grams. Can these people safely stand on the bridge together?

Kyle 71 kg                      Cara 59 kg  
 Betty 66 kg                      Roge 79 kg  
 Devin 86 kg

How many grams do they weigh all together?

\_\_\_\_\_ grams



3 Multiply. Show your work.

$$\begin{array}{r} 483 \\ * \quad 9 \\ \hline \end{array}$$

Estimate:

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



4 Use your fraction circle pieces to solve this problem.

If  is  $\frac{1}{4}$ , then what is the whole?

\_\_\_\_\_



5 **Writing/Reasoning** Solve Problem 3 using a different strategy. Show your work.



- 1 Kenny had  $1\frac{3}{8}$  bags of marbles, Marla had  $1\frac{4}{8}$  bags of marbles, and Karen had  $1\frac{1}{8}$  bags of marbles. How many bags of marbles did they have in all?

Answer: \_\_\_\_\_ bags of marbles

**SRB**

162-163

**SRB**

226-227

- 3 Fred purchased items at 3 different stores for his home remodeling project. At Store A he spent \$587, at Store B he spent \$391, and at Store C he spent \$1,008. How much money did Fred have left if he started with \$2,564?

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

**SRB**

26

**SRB**

141

- 5 Add.
- a.  $\frac{3}{10} + \frac{50}{100} =$  \_\_\_\_\_
- b.  $\frac{5}{10} + \frac{35}{100} =$  \_\_\_\_\_
- c.  $\frac{3}{100} + \frac{4}{10} =$  \_\_\_\_\_
- d.  $\frac{3}{10} + \frac{6}{100} =$  \_\_\_\_\_

**SRB**

166-167

**SRB**

154-155

- 2 a. Draw and label ray  $RT$ .

b. Draw and label line segment  $LB$ .

- 4 Put a check next to all the fraction pairs that are equivalent to  $\frac{3}{4}$ .

$\frac{4}{8}$  and  $\frac{5}{12}$

$\frac{6}{10}$  and  $\frac{5}{6}$

$\frac{6}{8}$  and  $\frac{9}{12}$

$\frac{12}{16}$  and  $\frac{75}{100}$

- 6 Compare the decimals using  $>$ ,  $<$ , or  $=$ .

a. 5.05 \_\_\_\_\_ 5.03

b. 0.36 \_\_\_\_\_ 0.69

c. 70.09 \_\_\_\_\_ 70.05

d. 0.4 \_\_\_\_\_ 0.40