

1 Solve.

- a. $5 * 7 =$ _____
- b. $2 *$ _____ $= 12$
- c. _____ $* 7 = 49$
- d. $9 *$ _____ $= 45$
- e. $8 * 4 =$ _____

2 Draw $\angle MRT$.



What is another name for $\angle MRT$?

SRB
228

3 Write $>$, $<$, or $=$ to make each number sentence true.

- a. $46,609$ _____ $45,699$
- b. $67,749$ _____ $66,749$
- c. 2 thousand _____ 2,000
- d. $108,755$ _____ 1 million
- e. $1,000,000$ _____ $858,192$

SRB
61

4 Use U.S. traditional subtraction.

a.
$$\begin{array}{r} 1,247 \\ - 156 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 3,531 \\ - 2,246 \\ \hline \end{array}$$

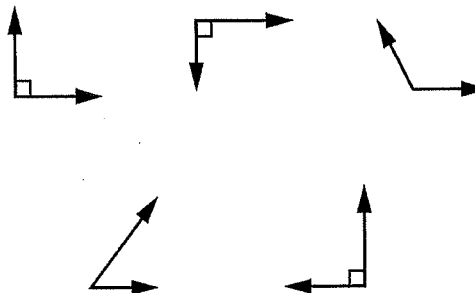
SRB
100-101

5 Keanu has 10 feet of model train track. His sister has 14 feet, and his brother has 6 feet. How many inches of track do they have all together?

Answer: _____ inches

SRB
166-167

6 Circle the right angles.



SRB
229

- 1 a. The dresser is 3 feet tall. What is the height in inches?

_____ inches

- b. The sidewalk is 15 yards long. What is the length in feet?

_____ feet



- 2 Regulation football fields are rectangles that measure 360 feet long and 160 feet wide. If Jamie walks the perimeter of the football field, about how far will she go?

Number model:

Answer: _____ feet



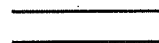
- 3 Fill in the missing digits.

$$\begin{array}{r}
 5, \quad 3 \quad 8 \quad \square \\
 + 2, \quad \square \quad 7 \quad 7 \\
 \hline
 7, \quad 8 \quad 6 \quad 3
 \end{array}$$



- 4 Draw lines to match each word to the correct pair or pairs of line segments.

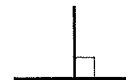
perpendicular



parallel



intersecting



- 5 **Writing/Reasoning** How did you find the missing digits in Problem 3?



1 Multiply mentally.

a. $5 * 8 =$ _____

b. $2 *$ _____ $= 16$

c. _____ $* 7 = 21$

d. $9 *$ _____ $= 81$

e. $8 * 3 =$ _____



3 Which number sentence is NOT true? Choose the best answer.

(A) $5,389 > 3,389$

(B) $70,642 < 70,699$

(C) $1 \text{ million} = 1,000,000$

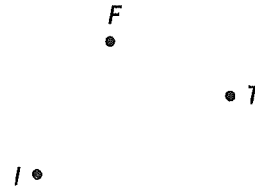
(D) $800,032 = 8 \text{ hundred } 32 \text{ thousand}$

(E) $400 + 30 + 5 < 4,000 + 30 + 5$



2 Draw $\angle TIF$. What is the vertex of $\angle TIF$?

Point _____



4 Subtract using U.S. traditional subtraction.

a.
$$\begin{array}{r} 2,231 \\ - 1,084 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 5,603 \\ - 3,466 \\ \hline \end{array}$$



5 Chloe is replacing 3 different sections of the fence in her backyard. She needs fencing in lengths of 13 yards, 17 yards, and 20 yards. How much fencing does she need in feet?

Answer: _____ feet



6 Use a straightedge to draw a right angle.



1 Convert the following measures.

- a. 18 yards = _____ feet
- b. 10 feet = _____ inches
- c. 25 yards = _____ feet
- d. 5 yards 2 feet = _____ feet



2 Ari's backyard contains about an acre of lawn shaped in a rectangle. The rectangle measures 660 feet long by 66 feet wide. If Ari measures the distance around the edge, about how many feet is it?

Number model:

Answer: _____ feet



3 Fill in the missing digits.

3,	5	9	
+ 7,		0	5
11,	1	0	1



4 a. Draw a pair of parallel line segments.

b. Draw a pair of perpendicular line segments.



5 **Writing/Reasoning** Justin's incorrect answer to Problem 2 was 726 feet. Explain what he might have done to get that answer.



1 Complete.

a. Name all the factors of 12.

_____ , _____ , _____ ,

_____ , _____ , _____

b. Name the factor pairs of 15.

_____ and _____

_____ and _____

SRB
53

2 To find the area of a rectangle, use the formula:

$$A = l * w$$

What is the area of a rectangle with a width of 6 inches and a length of 12 inches?

Equation: _____

Area: _____ square inches

SRB
204

3 Round 849,897 to the nearest thousand. Fill in the circle next to the correct answer.

(A) 840,000

(B) 900,000

(C) 850,000

(D) 800,000

SRB
85-87

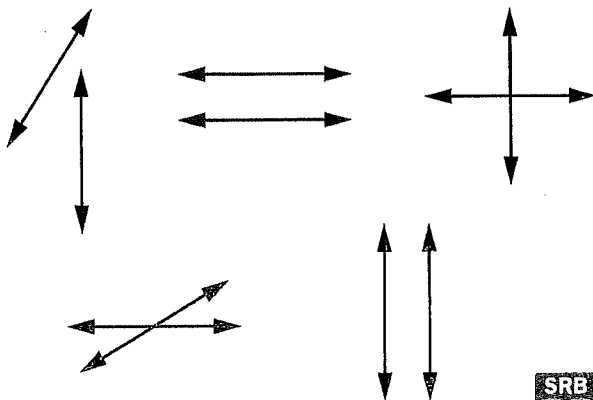
4 a. Name 3 multiples of 7.

b. Name 3 multiples of 6.

c. Name 3 multiples of 8.

SRB
55

5 Circle the parallel lines.



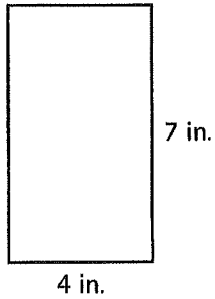
SRB
230

6 Mimi lives down the street from her friends Lisa and Ellen. It is 24 yards from Mimi's house to Lisa's house and 37 more yards from Lisa's house to Ellen's house. How far is it from Mimi's house to Ellen's house in feet?

Answer: _____ feet

SRB
186-187

- 1 Find the area and perimeter of the rectangle.



Area = _____ square inches

Perimeter = _____ inches

 SRB
200,
204

 SRB
230

- 3 Dan has two dogs, Jango and Riley, and a cat, Kisa. Every year, Jango eats 1,793 dog treats, Riley eats 2,094 treats, and Kisa eats 1,014 cat treats.

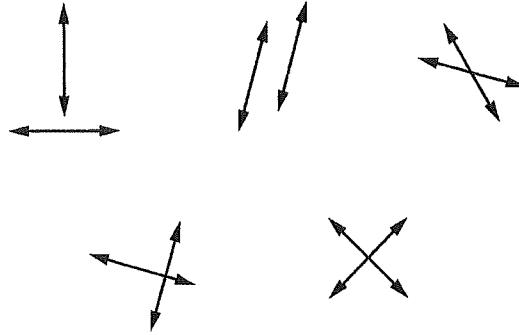
Estimate how many more treats both dogs eat than the cat.

Estimate:

 SRB
02-04

 SRB
54

- 2 Circle the sets of lines that appear to be perpendicular to each other.



- 4 a. Name 8 prime numbers under 20.

- b. Name 10 composite numbers under 20.

- 5 **Writing/Reasoning** How do you know the numbers in Problem 4a are prime?

 SRB
54

1 Complete.

a. Name all the factors of 40.

_____, _____, _____
 _____, _____, _____
 _____, _____

b. Name all the factor pairs of 36.

_____ and _____
 _____ and _____
 _____ and _____
 _____ and _____
 _____ and _____

SRB
53

SRB
204

3 Round these numbers to the nearest thousand.

- a. 3,496 _____
 b. 52,743 _____
 c. 697,654 _____
 d. 999,502 _____

SRB
65-67

2 Find the area using $A = l * w$.

Mr. Janacek's class is doing an art project with different-colored squares. How many 1-inch squares can be cut from an 18-inch by 24-inch piece of construction paper?

Answer: _____ squares

4 Find four multiples of 9. Fill in the circle next to all that apply.

- (A) 18, 28, 35, 44
 (B) 18, 27, 36, 47
 (C) 18, 24, 32, 45
 (D) 18, 27, 36, 45
 (E) 18, 36, 54, 81

SRB
55

5 Draw two sets of parallel lines. Use a straightedge.

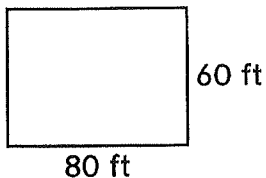
SRB
230

6 Arlo's room is 14 feet long. His sister's room is 12 feet long. What is the total length of both rooms in inches?

Answer: _____ inches

SRB
186-187

- 1 Find the area and perimeter of the rectangle below.



Area = _____ square feet

Perimeter = _____ feet

SRB
200,204

SRB
230

- 2 a. Draw a set of perpendicular lines.

b. Draw intersecting lines that are not perpendicular.

- 3 Ted runs a landscape business and needs at least 850 tulip bulbs for fall planting. The plant nursery sent several packages of bulbs: 3 packs with 33 bulbs each, 5 packs with 18 bulbs each, 6 packs with 52 bulbs each, and 3 packs with 105 bulbs each. Estimate how many bulbs Ted received.

Estimate: _____

SRB
82-84

SRB
54

- 4 Write *T* for true or *F* for false.

- _____ a. Every composite number has at least 3 factors.
- _____ b. A composite number is always an even number.
- _____ c. A prime number can be a composite number.
- _____ d. 1, 4, 8, and 9 are all composite numbers.

SRB
54

- 5 **Writing/Reasoning** Renee said that the landscaper in Problem 3 has enough bulbs.

Do you agree? Explain. _____

SRB
82-84

1 The number 24 has how many factors? Fill the circle next to the correct answer.

- A 10 factors
- B 7 factors
- C 8 factors
- D 5 factors
- E 2 factors



2 Maeve is 3 years old. Maeve's brother is 4 times as old as Maeve. Write an equation with an unknown to represent this problem. Then solve.

Equation with unknown: _____

How old is Maeve's brother?

_____ years old



3 Television coverage of the hockey game began at 7 P.M. The game went into three overtimes and did not end until midnight. How many minutes did the game last?

Answer: _____ minutes



4 Benji gave away his entire set of 850 plastic blocks. He gave 358 blocks to Carl and 267 blocks to Beth. How many blocks did he have left to give to Nico?

Estimate: _____

Answer: _____ blocks

Number model with answer:

Compare your answer to your estimate. Does your answer make sense?



5 **Writing/Reasoning** For Problem 2, Abby said Maeve's brother is 15. She explained that she added three years to Maeve's age four times, so $3 + 3 + 3 + 3 + 3 = 15$.

Do you agree with her reasoning? _____ Why or why not?



Math Boxes

Preview for Unit 3

Lesson 2-10

DATE

TIME

Math Boxes

- 1 Use your fraction circles to solve.
How many dark green fraction pieces does it take to cover a red circle?
_____ dark green pieces

SRB
130

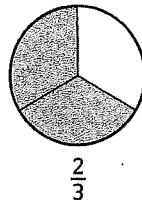
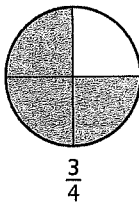
- 2 Divide the rectangle into halves. Use a straightedge.



Use dashes to divide the rectangle into halves another way.

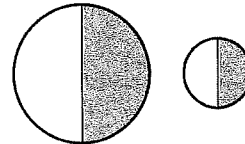
SRB
125-126

- 3 Circle the larger fraction.



SRB
145

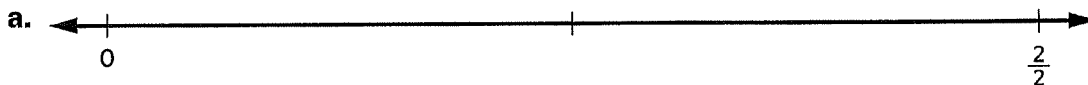
- 4 One half of each circle is shaded. Are the shaded halves equal? _____



Explain your answer.

SRB
145

- 5 Fill in the missing fractions on the number lines.



SRB
135

- 1 Complete the "What's My Rule?" table and state the rule.

Rule: _____

In	Out
5	25
6	36
	49
8	
	81

 SRB
65-67

- 2 What is the value of the digit 4 in each number?

- a. 154 _____
 b. 349 _____
 c. 547,326 _____
 d. 84,391 _____
 e. 3,472 _____
 f. 473,962 _____

 SRB
78-79

- 3 Bianca's dining room measures 10 feet by 18 feet. Her family plans to buy new wall-to-wall carpeting for it. How many square feet of carpet do they need to order?

Area: _____ square feet

 SRB
204

- 4 Tanisha is writing a 600-word story for school. She has written 3 pages; page 1 has 135 words, page 2 has 142 words, and page 3 has 85 words. How many more words does she need to write?

Estimate: _____

Answer: _____ words

Number model with answer:

Compare your answer to your estimate.
 Does your answer make sense?

 SRB
47, 83

- 5 **Writing/Reasoning** In Problem 2 the digit 4 has many different values. Describe the pattern you see in the answers and explain how the value of the digit 4 changes from problem to problem.

 SRB
78-79

- 1 Complete.
- a. How many different factors does a prime number have? _____
- b. Give the factor pairs of 48.
- _____
- _____
- _____

SRB
53-54

- 2 Monica has saved 5 times as much money as her sister. Monica has saved \$100. How much money has her sister saved?
- Equation with unknown:
- _____
- Answer: \$ _____

SRB
37, 47

- 3 Convert between units of time to answer the questions below.
- a. It took Ely 4 hours to put a 500-piece puzzle together. How many minutes is that?
- _____ minutes
- b. It snowed for 10 hours. How many seconds is that?
- _____ seconds

SRB
188-189

- 4 Sumi and her sister combined their sticker collections. Sumi had 374 stickers and her sister had 193. Their cousin Sayuri has 743 stickers. How many more stickers does Sayuri have than the sisters?
- Estimate: _____
- Answer: _____ stickers
- Number model with answer:
- _____
- Compare your answer to your estimate. Does your answer make sense?
- _____

SRB
47, 83

- 5 **Writing/Reasoning** How do you know you found all the factor pairs for 48 in Problem 1?

SRB
53

- 1 Complete the "What's My Rule?" table and state the rule.

Rule: _____

in	out
300	
	150
400	200
450	
500	300

 SRB
65-67

- 2 Write *T* for true or *F* for false.

_____ The place value of each digit in a number is ten times as large as the place value to the right.

_____ 10 [10s] is equal to 1,000.

_____ 10 [100s] is equal to 1,000.

_____ The place value of each digit in a number is one hundred times as large as the place value to its right.

 SRB
78-79

- 3 Dasad is painting a wall in his bedroom. The wall measures 9 feet by 14 feet. Which number model shows how many square feet Dasad has to paint?

Choose ALL that apply.

- (A) $9 + 9 + 14 + 14 = f$
 (B) $f = 21 * 21$
 (C) $14 * 9 = f$
 (D) $9 * 9 * 14 * 14 = f$
 (E) $f = 9 * 14$

 SRB
204

- 4 The teacher used 76 sheets of paper for the math activity, 48 sheets for the reading activity, and 126 sheets for the science activity. How many sheets are left from the 500-page pack?

Estimate: _____

Answer: _____ sheets

 Number model with answer:

Compare your answer to your estimate. Does your answer make sense?

 SRB
47, 89

- 5 **Writing/Reasoning** Look at the completed "What's My Rule?" table in Problem 1. Describe any patterns you see in the *out* column.

 SRB
58-60

Math Boxes

Preview for Unit 3

Lesson 2-14

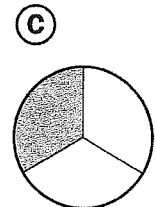
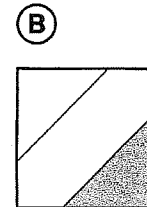
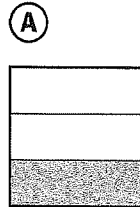
DATE

TIME

1 Use your fraction circles to solve.
How many purple fraction pieces does it take to cover a red circle?

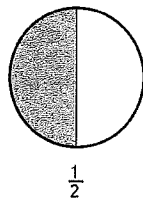
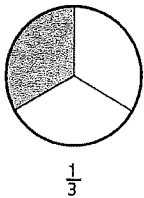
SRB
130

2 Which figure shows $\frac{1}{3}$ shaded? Fill in the circle next to ALL that apply.



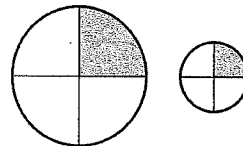
SRB
125-126

3 Circle the larger fraction.



SRB
145

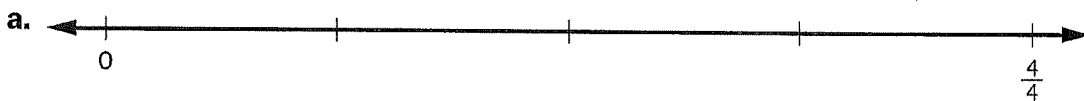
4 One fourth of each circle is shaded.
Are the fourths equal? _____



Explain your answer.

SRB
145

5 Fill in the missing fractions on the number lines.



SRB
135