Math Boxes

Lesson 2-7

DATE TIME

Math Boxes

1 Complete.

a. Name all the factors of 40.

_____, _____, _____

_____, _____, _____

_____, _____

b. Name all the factor pairs of 36.

_____ and _____

_____ and _____

_____ and _____

_____ and _____

_____ and _____

SRB 53

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

SRB 204

3 Round these numbers to the nearest thousand.

a. 3,496 _____

b. 52,743 _____

c. 697,654 _____

d. 999,502 _____

SRB 85-87

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

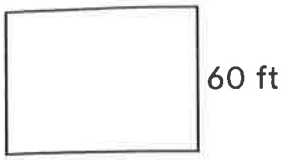
Math Boxes

Lesson 2-8

DATE TIME

Math Boxes

1 Find the area and perimeter of the rectangle below.



Area = _____ square feet

Perimeter = _____ feet

SRB 200, 204

2 **a.** Draw a set of perpendicular lines.

b. Draw intersecting lines that are not perpendicular.

SRB 230

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

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

Math Boxes

Lesson 2-9

DATE TIME

Math Boxes

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

SRB 53

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

SRB 37, 47, 56-57

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

SRB 198-199

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?

_____

SRB 47, 83

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?

_____

_____

SRB 56-57

Math Boxes Preview for Unit 3

Math Boxes

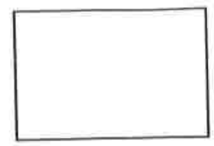
1 Use your fraction circles to solve.

How many dark green fraction pieces does it take to cover a red circle?

_______ dark green pieces

SRB 130

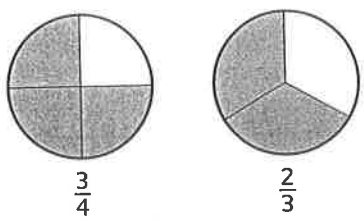
2 Divide the rectangle into halves. Use a straightedge.



Use dashes to divide the rectangle into halves another way.

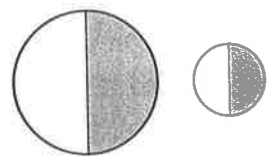
SRB 125-126

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.

a.

____

b.

_______ _______

SRB 135

Math Boxes

Lesson 2-11

DATE TIME

Math Boxes

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. 15**4** _____

b. 3**4**9 _____

c. 5**4**7,326 _____

d. 8**4**,391 _____

e. 3,**4**72 _____

f. **4**73,962 _____

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

_____

_____

_____

Math Boxes

Lesson 2-12

DATE TIME

Math Boxes

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 198-199

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

Math Boxes

Lesson 2-13

DATE TIME

Math Boxes

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 p 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 the place value to its right.

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 th reading activity, and 126 sheets for t science activity. How many sheets ar left from the 500-page pack?

Estimate: _____

Answer: _____ sheets

Number model with answer:

_____

Compare your answer to your estima Does your answer make sense?

_____

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

_____

_____

_____

_____

Math Boxes
Preview for Unit 3

Lesson 2-14

DATE TIME

Math Boxes

1 Use your fraction circles to solve.

How many purple fraction pieces does it take to cover a red circle?

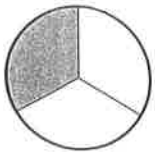
_____

SRB 130

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

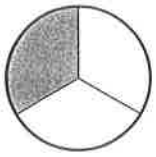
Ⓐ 

Ⓑ 

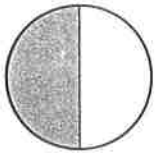
Ⓒ 

SRB 125-126

3 Circle the larger fraction.



$\frac{1}{3}$

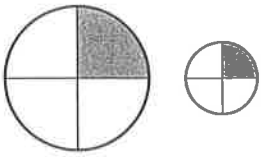


$\frac{1}{2}$

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.

a.

_____ _____ _____

b.

_____ _____ _____ _____ _____

SRB 135