Math Boxes

① Insert <, >, or = to make a true number sentence.

a. 4 [100s] + 6 [10s] + 5 [1s] _____
         4 [100s] + 6 [10s] + 9 [1s]

b. 27 thousand _____ 27,000

c. 3,000 + 500 + 70 _____ 3,507

d. 800,000 _____ 8 hundred thousand

e. Write a 7-digit number that has the digit 4 in the 100,000s place.

_____

SRB
80-81

② Write a number sentence to estimate 47 * 5. Then solve the problem. Show your work.

Estimate:

_____

Answer: _____

SRB
82-89

③ Shade 5 parts of each rectangle.

_____   _____

Label each rectangle with a fraction.

Are these fractions equivalent? Explain.

SRB
136-137

④ Draw a parallelogram. Label the vertices so that side *AB* is parallel to side *CD*.

SRB
230, 235

⑤ Bonnie's cup is 0.50 full of juice. Her sister's cup is different, but her cup is also 0.50 full of juice. Do they have the same amount of juice? Explain your answer.

_____

_____

_____

SRB
125-126, 154

⑥ One lap in the school's Olympic-size outdoor pool is 50 meters. Ben's goal is to swim 20 laps each day this week. On Tuesday he swam only 550 meters before the weather turned stormy and he had to stop. How many centimeters was he short of his goal for the day?

Answer: _____ centimeters

SRB
182-183

Math Boxes

1 A _____ number has more than 2 different factors.

Circle the numbers below that fit this description.

42	25	17	23	64	31
45	2	76	29	34	53
51	5	13	22	57	67

SRB
54

2 Calvin's blank art canvas measures 27 inches by 9 inches. Which number sentence shows how many square inches he has available to paint? Fill in the circle next to the best answer.

(A) $27 + 9 = 36$

(B) $27 - 9 = 18$

(C) $27 * 9 = 243$

(D) $27 / 9 = 3$

SRB
47, 204

3 List the factor pairs for 75.

_____

_____

_____

Is 75 prime or composite?

_____

SRB
53-54

4 Write an equation for each statement below, replacing the unknown with a number.

a. 35 is 7 times as much as c.

_____

b. 8 times as much as y is 72.

_____

c. 56 is b times as much as 7.

_____

SRB
56-57

5 **Writing/Reasoning** Read these two statements about Vince's age.

A. Vince is 2 years older than his sister, who is 10.

B. Vince's mother, age 48, is 4 times as old as Vince.

Which statement can be represented with a multiplicative comparison equation? Explain your choice.

_____

_____

_____

SRB
56-57

Math Boxes

127

Math Boxes

1 Draw and label ray *HA*.
Draw point *T* on it.

What is another name for $\overrightarrow{HA}$? _____

SRB
226-227

2 Multiply. Use the partial-products method.

_____ = 83 * 5

SRB
106

3 Round 451,062 to the nearest thousand.
Fill in the circle next to the best answer.

(A) 500,000

(B) 451,100

(C) 452,000

(D) 451,000

SRB
85-87

4 a. 45 = 9 * 5

45 is _____ times as many as 9

and _____ times as many as 5.

b. 7 * 8 = 56

_____ is 8 times as many as 7

and 7 times as many as _____.

c. 6 * 9 = 54

6 times as many as _____ is 54,

and 9 times as many as _____

is 54.

SRB
56-57

5 **Writing/Reasoning** Solve Problem 2 using a different strategy.
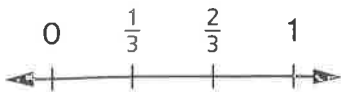Show your work here and explain how this method is different.

SRB
103-104

1 Use the number line to help you add the fractions.

$$0 \quad \frac{1}{3} \quad \frac{2}{3} \quad 1$$
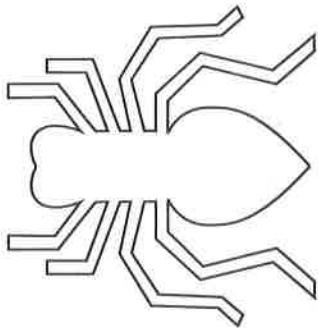
$$\frac{1}{3} + \frac{1}{3} = \underline{\qquad}$$

2 Use the fraction circle to help you find the missing addend.
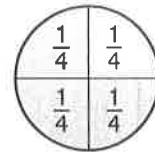
$$\frac{3}{4} = \frac{1}{4} + \frac{1}{4} + \underline{\qquad}$$

3 Use a straightedge to draw the line of symmetry.

4 Draw ∠BAC. What is another name for ∠BAC? _____

What is the vertex of ∠BAC?

Point _____

C.

A°

B

5 Mrs. Hartman's students grew bean plants for science and measured the height of each plant. Here are their measurements in inches: 3, 4, $\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, 3, $2\frac{1}{2}$. Record each measurement on the line plot below.

$$0 \quad \frac{1}{2} \quad 1 \quad 1\frac{1}{2} \quad 2 \quad 2\frac{1}{2} \quad 3 \quad 3\frac{1}{2} \quad 4 \quad 4\frac{1}{2} \quad 5$$
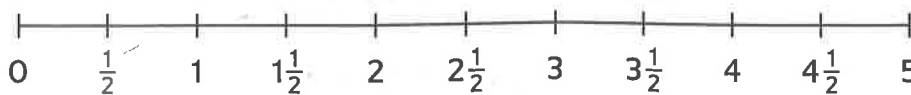
Bean Plant Height (inches)

Math Boxes

1. The cupcake store earned $1,254 on Wednesday, $2,902 on Thursday, and $2,877 on Friday. On Sunday the owner counted all her money, showing that she earned $10,502 for four days. How much money did she make on Saturday?

Estimate:

_____

Answer: $_____

SRB
82-89

2. Multiply. Use the partial-products method.

_____ = 46 * 98

SRB
107

3. Write 389,457 in words.

_____

_____

_____

SRB
78-79

4. Circle ALL of the factor pairs for 56.

  A.   7 and 8

  B.   3 and 18

  C.   2 and 28

  D.   4 and 14

  E.   5 and 11

SRB
53

5. **Writing/Reasoning** Was your answer reasonable in Problem 1? How do you know?

_____

_____

_____

_____

SRB
82-89

Math Boxes

1 Draw and label ray *CA*.
Draw point *R* on it.

What is another name for ray *CA*?

_____

SRB
226-227

2 Write an equation to estimate $49 * 68$.
Then solve.

Estimate: _____

Answer: _____

SRB
107

3 Round to the nearest hundred-thousand.

a. 850,234 _____

b. 760,034 _____

c. 821,549 _____

d. 986,341 _____

SRB
85-87

4 Which statements correctly represent
$42 = 7 * 6$? Circle ALL of the correct
answers.

A.   42 is 7 times as many as 6.

B.   42 is 7 more than 6.

C.   7 is 1 less than 6.

D.   42 is 6 times as many as 7.

SRB
56-57

5 **Writing/Reasoning** Write a multiplicative comparison number story
to go along with the equation in Problem 4.

_____

_____

_____

SRB
56-57

139

Math Boxes

① Estimate the difference. Write a number model to show your estimate. Then solve the problem using U.S. traditional subtraction.

$5,934 − $3,469

Estimate:

_____

Answer: $_____

SRB 82-89

② Solve the problem. Show your work.

76 * 55

Answer: _____

SRB 107

③ Which expressions below are equal to 4,007,392? Circle the best answer.

A. Four million, seven thousand, three hundred ninety-two

B. 4 [1,000,000s] + 7 [1,000s] + 3 [100s] + 9 [10s] + 2 [1s]

C. 4,000,000 + 7,000 + 300 + 90 + 2

D. All of the above

E. None of the above

SRB 78-80

④ List the factor pairs for:

a. 42   b. 84

_____   _____
_____   _____
_____   _____
_____   _____
               _____
               _____

SRB 53

⑤ **Writing/Reasoning** Are the numbers 42 and 84 in Problem 4 prime or composite? Explain the difference.
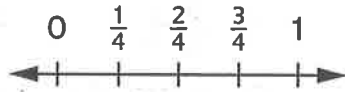
_____

_____

_____

_____

SRB 54

1 Use the number line to help you add the fractions.

$$0 \quad \frac{1}{4} \quad \frac{2}{4} \quad \frac{3}{4} \quad 1$$

$$\frac{1}{4} + \frac{2}{4} = \underline{\hspace{2cm}}$$

SRB
160-161

2 Use the fraction circle to help you find the missing addend.
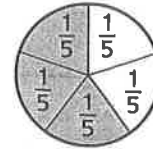
$$\frac{3}{5} = \frac{1}{5} + \frac{1}{5} + \underline{\hspace{2cm}}$$

SRB
160-161

3 Using your template and a straightedge, trace a figure and draw the line of symmetry.

SRB
238

4 Draw ∠BAT. What is the vertex of ∠BAT?

Point _____

What is another name for ∠BAT?

_____

SRB
228

5 The local television station kept a record of rainfall for one week.

	Su	M	T	W	Th	F	S
Rainfall in Inches	$\frac{1}{2}$	0	$3\frac{1}{2}$	$\frac{1}{2}$	$2\frac{1}{2}$	0	0

Record each measurement on the line plot.

$$0 \quad \frac{1}{2} \quad 1 \quad 1\frac{1}{2} \quad 2 \quad 2\frac{1}{2} \quad 3 \quad 3\frac{1}{2} \quad 4$$

Rainfall in Inches

SRB
214

143