Math Boxes

1 Use your fraction circles to model the fractions below. Choose True or False.

A. $\frac{1}{5} = \frac{2}{10}$ ○ True   ○ False

B. $\frac{1}{4} = \frac{2}{6}$ ○ True   ○ False

C. $\frac{2}{8} = \frac{1}{4}$ ○ True   ○ False

D. $\frac{5}{10} = \frac{1}{3}$ ○ True   ○ False

SRB
134-136

2 Solve using U.S. traditional addition or subtraction.

a. $5,468 + 3,977 =$ _____

b. $6,466 - 4,715 =$ _____

c. $21,293 + 44,392 =$ _____

d. $90,532 - 43,602 =$ _____

SRB
92–93,
100-101

3 In the number 457,379:

a. The value of the 7 on the left is

_____.

b. The value of the 7 on the right is

_____.

c. How many times larger is the value of the 7 on the left than the value of the 7 on the right?
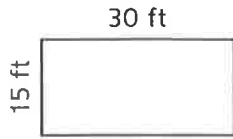
_____

SRB
78-79

4 Complete the table.

mm	cm	m
5,000		5
		20
		43
		9
	10,000	

SRB
182-183

5 **Writing/Reasoning** Explain how you subtracted in Problem 2d.

_____

_____

_____

_____

_____

_____

SRB
100-101

Math Boxes

107

1. Write a formula for finding the perimeter of a rectangle?

30 ft

15 ft

What is the perimeter of this rectangle?

_____ ft

SRB 200

2. Mrs. Drew ordered ribbon for her fabric store. She ordered 55 meters of red ribbon, 76 meters of white ribbon, and 80 meters of blue ribbon. How many meters of ribbon did Mrs. Drew order?

Answer: _____ m

How many centimeters is that?

_____ cm

SRB 182-183

3. Isabella's small pizza from Al's Pizzeria was cut into 4 equal-size pieces. Liam's small pizza from the same place was cut into 8 equal-size pieces. Isabella ate 1 piece of her pizza. Liam ate 3 pieces of his pizza. Write fractions to show how much pizza each person ate.

Isabella: _____   Liem: _____

Who ate more? _____

Explain. _____

_____

SRB 145-148

4. Each time a baseball pitcher pitches the ball over home plate, the ball travels about 20 yards. About how far will the ball have traveled from the pitcher to home plate after 9 pitches?
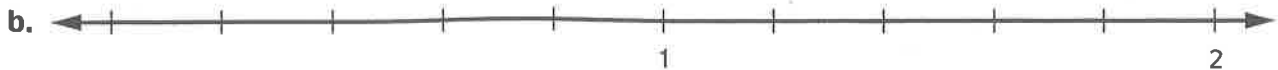
Answer: _____ yards

How many feet is that?

_____ feet

SRB 186-187

5. Fill in the missing fractions and mixed numbers on the number lines.

a.

0   1

b.

1   2

SRB 133

Math Boxes

1 Write two equivalent fractions for each fraction below. Use your fraction circles, if helpful.

a. $\frac{1}{3}$ _____, _____

b. $\frac{3}{5}$ _____, _____

c. $\frac{2}{6}$ _____, _____

SRB
136-137

2 Solve using U.S. traditional addition or subtraction.

a. $8,386 + 9,650 =$ _____

b. $1,742 - 563 =$ _____

c. $73,849 + 54,978 =$ _____

d. $38,510 - 15,496 =$ _____

SRB
92-93,
100-101

3 In the number 482,856, the value of the 8 on the left is

_____.

The value of the 8 on the right is

_____.

How many times larger is the value of the 8 on the left than the value of the 8 on the right?

_____

SRB
78-79

4 Which number sentence below will convert 148 meters to centimeters? Choose the best answer.

◯ $148 * 10$

◯ $148 * 100$

◯ $148 / 10$

◯ $148 + 100$

SRB
182-183

5 **Writing/Reasoning** Explain how you know the fractions in Problem 1a are equivalent.

_____

_____

_____

_____

_____

SRB
136-137

Math Boxes

1 A professional basketball court measures 94 ft by 50 ft. A high school basketball court is usually 84 ft by 50 ft. Write a formula for the perimeter of a rectangle. Use it to find the perimeter of each court.

Formula:

_____

Professional court: _____ ft

High school court: _____ ft

SRB
200

2 Three friends are making a 1-meter line with centimeter cubes. Ana has 36 cubes, Hua has 37, and Al has 46. How many extra cubes do they have? Fill in the circle next to the best answer.

○ **A.** 119   ○ **B.** 25

○ **C.** 9   ○ **D.** 19

SRB
182-183

3 Ani is baking bread. He needs $\frac{1}{4}$ cup of tapioca flour, $\frac{3}{4}$ cup of rice flour, $\frac{2}{3}$ cup of teff flour, and $\frac{1}{2}$ cup of buckwheat flour. Order the flour amounts from smallest to largest. Use a fraction tool, if needed.

_____, _____, _____, _____

Explain.

_____

_____

SRB
145-148

4 Ms. Bell is sewing 3 dresses. The ribbon requirements per dress are 78 cm, 92 cm, and 112 cm. How much ribbon does Ms. Bell need?

Answer: _____ cm

Will 3 meters of ribbon be enough for all three dresses? _____

Explain.

_____

_____

SRB
186-187

5 Fill in the missing fractions and mixed numbers on the number lines.

a.

0   1

_____   _____   _____   _____   _____   _____   _____

b.

3   4   5

_____   _____   _____   _____

SRB
133

Math Boxes

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

a. 14,357 _____ 14,275

b. 961,783 _____ 960,883

c. 656,321 _____ 665,321

d. 7,003,040 _____ 7 [millions] + 3 [1,000s] + 4 [tens]

e. Write a 7-digit number that has the digit 6 in the 10,000s place.

_____

SRB
81

2 Write a number sentence to estimate 87 * 9. Then solve. Show your work.

Estimate: _____

Answer: _____

SRB
82-89

3 Put an X in ALL the boxes that show a fraction equivalent to $\frac{2}{3}$.

☐ $\frac{3}{9}$

☐ $\frac{4}{6}$

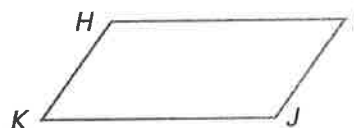☐ $\frac{8}{12}$

☐ $\frac{6}{9}$

☐ $\frac{6}{8}$

SRB
141

4 Name the two pairs of parallel sides in parallelogram HIJK.

_____ and _____

_____ and _____

SRB
230, 235

5 Vashaun and Tony were each making mosaic pictures with various-size squares of colored glass. Vashaun used 0.3 of his green pieces for trees, and Tony used 0.5 of his green pieces for grass. Who used more green pieces? Explain.

_____

_____

_____

SRB
125-126,
154

6 Jon has a 3-meter long strip of woven nylon belt material. He plans to use 92 centimeters to make his belt and 84 centimeters to make a belt for his brother. How many centimeters of belt material will Jon have left?

_____ centimeters

SRB
182-183

Math Boxes

Math Boxes

1 A _____ is a counting number that has exactly 2 different factors.

Circle the numbers below that fit this description.

89	3	12	20	31	55
6	27	81	51	11	18
47	5	54	61	17	73

SRB
54

2 Write the formula to find the area of a rectangle.

_____

Use the formula to find the area of this rectangle.

25 cm, 4 cm

Area: _____ square cm

SRB
204

3 List the factor pairs for 60.

_____

_____

_____

_____

_____

_____

SRB
53

4 Write an equation to show each comparison.

a. Jessica is 3 times as old as her daughter Sara, who is 12. How old is Jessica?

_____

b. Ken has 60 marbles. His sister has only 12. Ken has how many times as many marbles as his sister?

_____

c. Tanya has 8 times as many books as LaToya. LaToya has 5 books. How many books does Tanya have?

_____

SRB
56-57

5 **Writing/Reasoning** Using the equation $6 * 4 = 24$, write your own comparison number story similar to the ones in Problem 4.

_____

_____

SRB
56-57

123