Math Boxes

Lesson 8-1

DATE TIME

Math Boxes

1 **a.** Using a protractor, draw angle *ACB* with a measure of 90°.

b. Draw a line segment to connect point *A* and point *B*.

c. Triangle *ABC* is a _____ triangle.

SRB 228-229

2 Add.

a. $\frac{3}{4} + \frac{3}{4} =$ _____

b. $\frac{6}{8} +$ _____ $+ \frac{5}{8} = \frac{14}{8}$

c. $\frac{2}{5} + \frac{4}{5} =$ _____

d. $\frac{4}{12} + \frac{5}{12} + \frac{6}{12} + \frac{7}{12} =$ _____

SRB 160-161

3 Fill in the blanks.

a. $\frac{3}{8}$ is a multiple of the unit fraction _____.

b. $\frac{7}{10}$ is the seventh multiple of the unit fraction _____.

c. $\frac{12}{6}$ is the twelfth multiple of the unit fraction _____.

d. $\frac{9}{4}$ is the _____ multiple of the unit fraction $\frac{1}{4}$.

SRB 171-172

4 Fill in the blanks.

a. 3 gallons = _____ quarts

b. 9 pints = _____ cups

c. 5 cups = _____ fluid ounces

d. _____ quarts = 10 pints

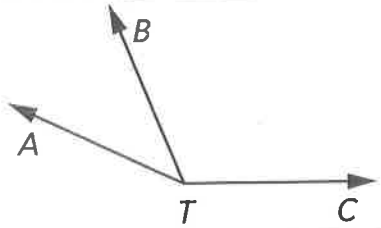
e. 7 quarts = _____ cups

SRB 196-197

5 **Writing/Reasoning** Explain how you solved this problem.

The measure of angle *BTC* is 112°. The measure of angle *ATB* is 43°. Find the measure of angle *ATC* without using a protractor.

Answer: _____ °



SRB 211-212

Math Boxes

Lesson 8-2

DATE TIME

1 Solve.

a. $5\overline{)3,012}$ **b.** $8\overline{)4,761}$

SRB 111-114

2 Subtract.

a. $\frac{5}{6} - \frac{3}{6} =$ ______

b. $\frac{9}{10} - \frac{3}{10} =$ ______

c. $\frac{4}{8} = \frac{7}{8} -$ ______

d. $\frac{11}{12} -$ ______ $= \frac{7}{12}$

SRB 160-161

3 Add.

a. $3\frac{4}{6} + 5\frac{1}{6} =$ ______

b. $5\frac{5}{8} + 7\frac{3}{8} =$ ______

c. $6\frac{7}{12} + 5\frac{9}{12} =$ ______

d. $4\frac{3}{10} + 7\frac{9}{10} =$ ______

SRB 162-163

4 The race is 1,760 yards long. The 4 runners on our team will each run the same distance. How many feet will each runner run?

Answer: ______ feet

SRB 111-114, 186-187

5 Solve.

a. $4 * \frac{3}{8} =$ ______

b. $3 * \frac{9}{10} =$ ______

c. $7 * \frac{2}{5} =$ ______

d. $\frac{8}{6}$ is the ______ multiple of $\frac{1}{6}$.

SRB 173-174

6 Multiply.

a.
```
  6, 3 0 5
*        7
----------
```

b.
```
   4 9
 * 2 8
------
```

SRB 103-108

Math Boxes

Lesson 8-3

DATE TIME

1 **a.** Using a protractor, draw angle *PWR* with a measure of 105°.

b. Angle *PWR* is a/an acute/right/obtuse angle.

SRB 228-229

2 Add.

a. $\frac{3}{5} + \frac{4}{5} =$ _____

b. $\frac{5}{6} + \frac{3}{6} + \frac{4}{6} =$ _____

c. $\frac{2}{3} + \frac{2}{3} +$ _____ $= \frac{5}{3}$, or $1\frac{2}{3}$

d. $\frac{48}{100} + \frac{8}{100} =$ _____

SRB 160-161

3 Fill in the blanks.

a. $\frac{9}{12}$ is a multiple of the unit fraction _____.

b. $\frac{5}{10}$ is the fifth multiple of the unit fraction _____.

c. _____ is the twelfth multiple of the unit fraction $\frac{1}{8}$.

d. $\frac{6}{2}$ is the sixth multiple of the unit fraction _____.

SRB 171-172

4 Fill in the best answer.

One gallon is equal to . . .

- ◯ 4 quarts
- ◯ 8 pints
- ◯ 16 cups
- ◯ All of the above
- ◯ None of the above

SRB 196-197

5 **Writing/Reasoning** Fill in the blanks to explain how you found your answer to Problem 3a.

The fraction $\frac{9}{12}$ is the _____ multiple of the unit fraction _____.

I know this because 9 * _____ = _____.

SRB 171-174

Math Boxes

Lesson 8-4

DATE TIME

Math Boxes

1 Solve.

a. $3\overline{)5,691}$ **b.** $8\overline{)8,107}$

SRB 111-114

2 Subtract.

a. $\frac{4}{5} - \frac{1}{5} =$ _____

b. _____ $= \frac{7}{3} - \frac{2}{3}$

c. $\frac{4}{2} = \frac{7}{2} -$ _____

d. $\frac{11}{12} -$ _____ $= \frac{4}{12}$

SRB 160-161

3 Add.

a. $1\frac{3}{8} + 1\frac{1}{8} =$ _____

b. $3\frac{2}{5} + 2\frac{3}{5} =$ _____

c. $5\frac{5}{6} + 2\frac{5}{6} =$ _____

d. $7\frac{3}{10} + 8\frac{9}{10} =$ _____

SRB 162-163

4 The Knitting Club collected leftover pieces of yarn. It has 3,450 feet of lamb's wool yarn, 1,488 feet of linen yarn, and 2,568 feet of merino wool yarn. The club plans to donate the yarn in equal shares to the art departments at 6 schools. How many yards of yarn will each school get?

Answer: _____ yards

SRB 111-114, 186-187

5 Circle the correct answer.

$5 * \frac{7}{8} =$

A. $\frac{30}{8}$

B. $\frac{35}{8}$

C. $\frac{30}{40}$

D. $\frac{35}{40}$

SRB 173-174

6 Multiply.

a. $8,137 * 6$ **b.** $24 * 55$

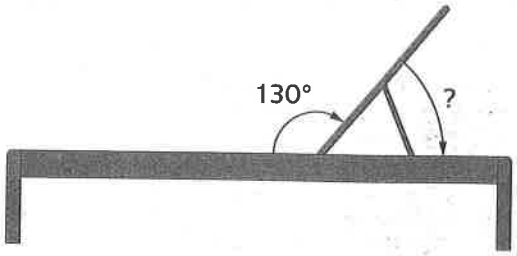
SRB 103-108

Math Boxes

Lesson 8-5

DATE TIME

1 How many degrees will Paula need to move the back of her chair to be able to lie flat?



Equation with unknown:

_____

Answer: _____ °

SRB 211-212

2 The Merman family used 3,955 liters of water in a week. The Santana family used 4,263 liters during the same week. On average, how much more water did the Santanas use in 1 day than the Mermans?

Number model:

_____

Answer: _____ liters

How many mL is this? _____ mL

SRB 111-114, 193-194

3 Add.

a. $4\frac{6}{10} + 5\frac{7}{100} =$ _____

b. $3\frac{8}{100} + 2\frac{1}{10} =$ _____

c. $7\frac{7}{100} + 4\frac{5}{10} =$ _____

d. $8\frac{9}{10} + 5\frac{28}{100} =$ _____

SRB 168

4 Subtract.

a. $6\frac{5}{8} - 2\frac{1}{8} =$ _____

b. $3\frac{3}{4} -$ _____ $= 2\frac{2}{4}$

c. $5\frac{2}{3} -$ _____ $= 3$

d. $9\frac{5}{12} - 2\frac{7}{12} =$ _____

SRB 162-165

5 **Writing/Reasoning** Explain your thinking in Problem 1.

_____

_____

_____

SRB 211-212

Math Boxes

Lesson 8-6

DATE TIME

1 Multiply.

a. $6 * \frac{2}{5} =$ _____

b. $8 * \frac{5}{6} =$ _____

c. $9 * \frac{7}{10} =$ _____

d. $5 *$ _____ $= \frac{15}{4}$, or $3\frac{3}{4}$

SRB 173-174

2 Multiply.

a.
$$\begin{array}{r} 5,580 \\ * \quad 6 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 36 \\ *89 \\ \hline \end{array}$$

SRB 103-108

3 Casey charges $11 per hour to babysit infants and $9 per hour for toddlers. She babysat infants for 22 hours and toddlers for 18 hours. How much more does she need to earn to buy a $450 bike?

Estimate: _____

Number model with unknown:

_____

Answer: $_____

SRB 26, 47

4 Which costs less: 4 cups of fruit punch at $0.59 per cup or 5 cups of orange juice at $0.49 per cup?

Number models:

_____

_____

Answer: _____

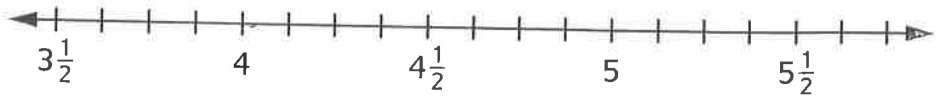
How much less? $_____

SRB 173-174

5 Plot the bracelet lengths (in inches) on the line plot below:

$5\frac{1}{8}, 4\frac{3}{4}, 5\frac{1}{2}, 4\frac{1}{8}, 4\frac{7}{8}, 4, 5\frac{1}{8}, 5\frac{1}{4}, 4\frac{3}{4}, 4, 4\frac{1}{2}, 4\frac{3}{8}, 4\frac{3}{4}, 4\frac{1}{4}, 5\frac{1}{8}, 4\frac{1}{2}, 4\frac{1}{8}, 4\frac{1}{4}, 5\frac{1}{8}$

Bracelet Lengths



Length (inches)

a. What is the difference between the longest and the shortest lengths? _____ in.

b. How many bracelets were sold that were less than 5 inches long? _____ bracelets

SRB 215-216