Liquid Measures

Home Link 7-1

NAME DATE TIME

Find at least one container that holds each of the amounts listed below. Describe each container and record all the measurements on the label.

SRB 195

(1) About 1 gallon

Container	Liquid Measurements on Label
jug of orange juice	gallon, 3.78 L

(2) About 1 quart

Container	Liquid Measurements on Label
container of milk	1 quart, 32 fl oz

(3) About 1 pint

Container	Liquid Measurements on Label

(4) About 1 cup

Container	Liquid Measurements on Label

Complete.

(5) 2 quarts = _____ pints

(6) 3 gallons = _____ cups

(7) _____ pints = 4 cups

(8) _____ quarts = 12 cups

(9) 6 pints = _____ quarts

(10) _____ quarts = $2\frac{1}{2}$ gallons

Practice

(11) 273 * 2 = _____

(12) 385 * 4 = _____

(13) _____ = 886 * 5

(14) _____ = 98 * 38

Sugar in Drinks

Home Link 7-2

NAME DATE TIME

Use the information in the table to solve the number stories. In the space below each problem, use pictures or equations to show what you did to find your answers.

SRB 160-161, 196-197

Amount of Sugar in Drinks		
Drink	**Sugar Content (in cups)**	**Serving Size (in ounces)**
Cranberry juice cocktail	$\frac{1}{4}$	12
Fruit punch	$\frac{1}{4}$	12
Orange soda	$\frac{1}{4}$	12
Sweet tea	$\frac{1}{6}$	12

Sources: National Institutes of Health and California Department of Public Health

(1) Carmen drinks one 12-ounce can of orange soda every day. How much sugar is that in 1 week? _____ cup(s)

(2) If you drink one 12-ounce glass of cranberry juice cocktail every morning, how much sugar will that be in 2 weeks? _____ cup(s)

(3) Mike drinks three 12-ounce servings of sweet tea per day.

a. How much sugar is he drinking in his tea in 1 day?

_____ cup(s)

b. In 5 days? _____ cup(s)

Practice

(4) 951 * 4 = _____

(5) 650 * 5 = _____

(6) 425 * 7 = _____

(7) 3,684 * 6 = _____

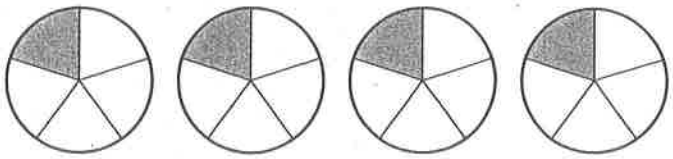
Multiplying Unit Fractions

Home Link 7-3

NAME DATE TIME

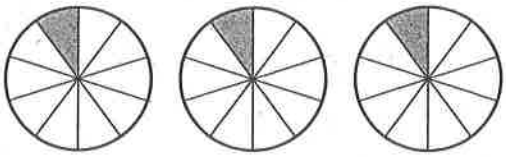
Write a multiplication equation to describe each picture or story.

SRB 171-174

① 

Multiplication equation: _____

What is the fourth multiple of $\frac{1}{5}$? _____

② 

Multiplication equation: _____

What is the third multiple of $\frac{1}{10}$? _____

③ Dmitri fixed a snack for 5 friends. Each friend got $\frac{1}{2}$ of an avocado. How many avocados did Dmitri use?

Multiplication equation: _____

Answer: _____ avocado(s)

④ Juanita made 3 protein shakes. All together, she used 1 cup of protein powder to make them. Each had the same amount.

How many cups of protein powder are in each shake?

Multiplication equation: _____

Answer: _____ cup(s)

Practice

⑤ $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} =$ _____

⑥ $\frac{2}{3} + \frac{2}{3} + \frac{1}{3} =$ _____

⑦ $\frac{9}{10} - \frac{4}{10} =$ _____

⑧ $\frac{8}{12} - \frac{5}{12} =$ _____

Multiplying Fractions by Whole Numbers

Home Link 7-4

NAME DATE TIME

SRB 173-174

Solve the problems below.

① $5 * \frac{1}{5} =$ _____

Draw a picture.

② $3 * \frac{4}{9} =$ _____

Draw a picture.

③ $6 * \frac{3}{6} =$ _____

Draw a picture.

Write a multiplication equation to represent the problem and then solve.

④ Rahsaan needs to make 5 batches of granola bars. A batch calls for $\frac{1}{2}$ cup of honey.

How much honey does he need? Equation: _____

⑤ Joe swims $\frac{6}{10}$ of a mile 5 days per week. How far does he swim every week?

Equation: _____

How far would he swim if he swam every day of the week?

Equation: _____

Practice

⑥ $653 * 3 =$ _____

⑦ $262 * 8 =$ _____

⑧ $357 * 9 =$ _____

⑨ $7{,}376 * 2 =$ _____

Multiplying Mixed Numbers by Whole Numbers

Home Link 7-5

NAME DATE TIME

SRB 175

Solve.

① Michelle's grandmother sent her 5 small gifts for her fifth birthday. Each one weighed $1\frac{1}{2}$ pounds. How much did the gifts weigh all together?

Number model with unknown: _____

Answer: _____ pounds

Between what two whole numbers is this? _____ and _____

How many ounces did the gifts weigh? _____ ounces

② Rochelle bought 4 pieces of ribbon to finish a project. Each piece was $1\frac{5}{12}$ yards long. What is the combined length of the ribbon she bought?

Number model with unknown: _____

Answer: _____ yards

Between what two whole numbers is this? _____ and _____

How many feet is this? _____ feet

③ $3 * 4\frac{5}{6} =$ _____

Between what two whole numbers is this? _____ and _____

④ $6 * 7\frac{3}{8} =$ _____

Between what two whole numbers is this? _____ and _____

Practice

⑤ $\frac{3}{4} + \frac{2}{4} + \frac{1}{4} =$ _____

⑥ $\frac{4}{8} + \frac{3}{8} + \frac{2}{8} =$ _____

⑦ $\frac{5}{6} - \frac{2}{6} =$ _____

⑧ $\frac{88}{100} - \frac{57}{100} =$ _____

Fruit Salad Weight

Home Link 7-6

NAME DATE TIME

Mr. Chou makes fruit salad that he sells in his store. Today he plans to make a fruit salad with 8 pears, 2 cups of grapes, and 4 pints of strawberries. Use the weights below to solve the problems.

SRB 173-174

- A medium pear weighs about $\frac{3}{8}$ lb.
- A cup of grapes weighs about $\frac{2}{8}$ lb.
- A pint of strawberries weighs about $\frac{5}{8}$ lb.

(1) Write a multiplication sentence to show how much the pears weigh. _____

Answer: _____ pound(s)

(2) Write a multiplication sentence to show how much the grapes weigh. _____

Answer: _____ pound(s)

(3) Write a multiplication sentence to show how much the strawberries weigh.

_____

Answer: _____ pound(s)

(4) How much does Mr. Chou's salad weigh in all? Show your work.

Answer: _____ pound(s)

Practice

(5) 361 / 8 = _____

(6) 396 ÷ 7 = _____

(7) 963 / 5 = _____

(8) 633 / 4 = _____