Students Entering Sixth Grade

Summer Math Packet

Name _____

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Dear Parents,

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The attached packet provides a range of activities that review and expand on the math concepts your child has learned in school this past year. It is designed to be worked on for 15 to 30 minutes a day throughout the summer, rather than completed in just a few days at the beginning or end of summer. The goal is to keep skills sharp to be ready to move forward into the next school year. We have provided answers for grades 3-6 and ask you to please review the work with your child as it is completed. Students will be asked to hand in their completed work the first week of school.

Have a great summer!

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Review **2**

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Adding and Subtracting Decimals

Find 1.7 + 2.45.	Find 36.57 – 4.6.
Line up the decimal points. \downarrow 1 1.7 1.70 \leftarrow Write zeros to ± 2.45 ± 2.45 show place value. 4.15 \downarrow Place decimal point in answer.	Line up the decimal points. 4 5 15 36.57 36.57 Write zeros to -4.6 -4.60 \leftarrow show place value. 31.97 4 Place decimal point in answer.
Find each sum or difference. 1. 2.65 2. 14.10 +13.30 -3.05	3. 744 4. 9 + 36.2 - 0.6
5. 8.97 <u>+66</u> 6. 100 <u>-0.22</u>	7. $\begin{array}{ccc} 6.8 \\ +237.29 \end{array}$ 8. $\begin{array}{c} 0.5 \\ -0.23 \end{array}$
9. 15.4 - 8 =	10. 3 – 2.54 =
11. 1.34 + 4.1 =	12. 133.01 – 5.6 =
13. 448 + 1.75 + 80.3 =	14. 12.3 + 0.61 + 100 =
15. On the 3-days of their vacation, the Day traveled 417 mi, 45.3 mi, and 366.9 mi. did they travel all together?	
16. Etta bought a calculator for \$15. Glenn same model for \$9.79. How much more pay than Glenn did?	•

Review

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Multiplying with Decimals

Find 4.3 \times 2.7.

Multiply as you would with whole numbers.	Count the number of decimal places in both factors. The total is the number of decimal places in the product.	
$2 \\ 4.3 \\ \times 2.7 \\ 301 \\ \underline{860} \\ 1161$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	
Find each product.		
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
5. 2.15 6. <u>× 8.3</u> 2	3.3 7. 0.51 8. 1.35 $\underbrace{0.12} \times 4.2 \times 13$	ĵ,
9. 23 × 0.47 =	10. 0.9 × 5 = 11. 168 × 2.25 =	
. · ·		
2. 0.8 × 0.11 =	13. 20 × 20.2 = 14. 4.9 × 0.3 =	Cont Formers Adding Minder
5. A roll of paper towels c Each sheet was 8.75 in	ontained 250 sheets. ches long. How long was the roll?	
6. Tania bought 3 new swe How much did she spe	eaters. Each sold for \$19.99.	Ċ

Dividing with Decimals

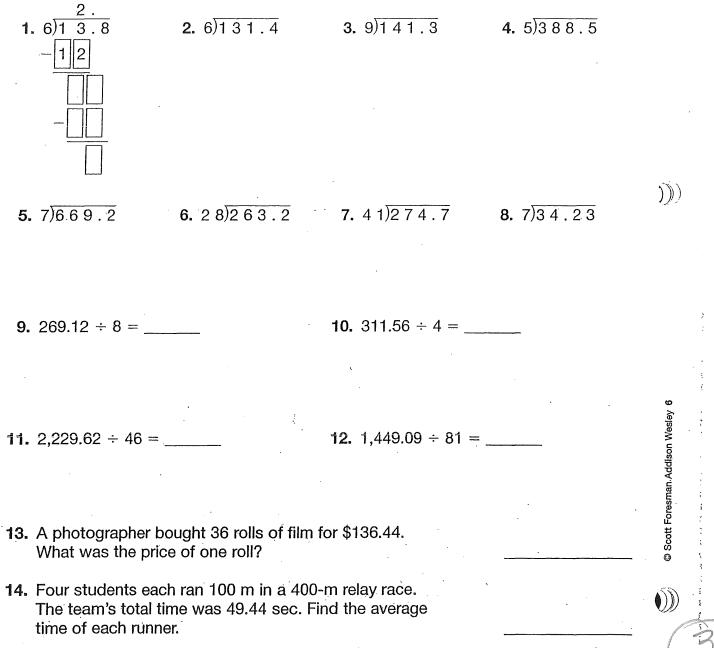


۱),)

Find 36.8 ÷ 16.

Place the decimal point. Place the decimal point. $2 \cdot \frac{2}{16}$ → Think: 20)40 Try 2 in the quotient.	$ \begin{array}{r} 2.3\\ 16)36.8\\ -32\\ 4.8\\ -4.8\\ -4.8\\ 0 \end{array} $	Multiply 2 \times 16. Subtract. Bring down 8. Multiply 3 \times 16. Subtract.
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Find each quotient.



Interpreting Data

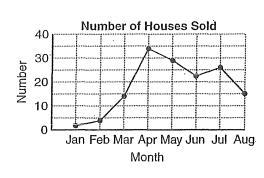
The **bar graph** shows the lengths in miles of the Great Lakes. Lengths of bars represent lengths of lakes.

Which is the shortest Great Lake?

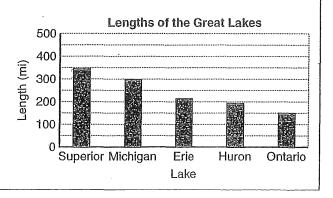
The shortest lake is Lake Ontario.

Use the graphs to answer each question.

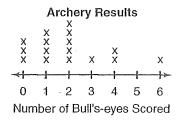
- 1. How many archers scored 4 bull's eyes?
- 2. What was the most common number of bull's-eyes scored?



- 5. Which grades raised about the same amount for the school book drive?
- 6. The school's goal was to raise \$1,500. About how much did they raise in all?

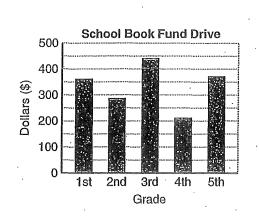


Review 8



3. In which month were the most houses sold?

4. In which month were about the same number sold as were sold in August?



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Geometric Ideas

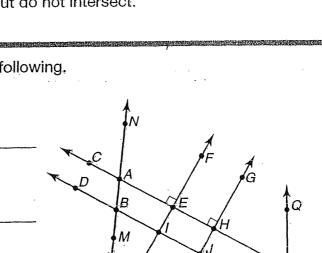
- A line is a straight path of points that goes on forever in two directions. Examples: AS, GK.
- A ray is a part of a line with one endpoint, extending forever in only one direction. Examples: FD, FB.
- · A line segment is part of a line with two endpoints. Examples: CF, MQ.
- A midpoint is the point halfway between the endpoints of a line segment. Example: Point L is halfway between points J and M on \overline{JM} .
- Congruent line segments are line segments that have the same length.
- Example: \overline{QR} is congruent to \overline{ST} .
- Parallel lines are in the same plane but do not intersect. Example: \overrightarrow{AS} is parallel to \overrightarrow{BT} .

Use the diagram at the right. Name the following.

- 1. three line segments 2. two parallel lines R М **3.** two lines that intersect \overrightarrow{DT} 4. two congruent line segments 5. two lines perpendicular to \overrightarrow{BR}
- 6. two midpoints of line segments

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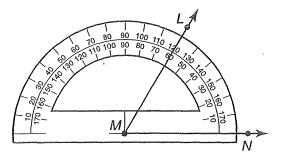
R 9-1

Measuring and Drawing Angles

How to measure an angle:

Step 1 Place the protractor's center on the angle's vertex.

Step 2 Place the 0° mark on one side of the angle.



 $LMN = 60^{\circ}$

Step 3 Use the scale beginning with the 0° mark to read the measurement where the other side of the angle crosses the protractor.

How to draw an angle:

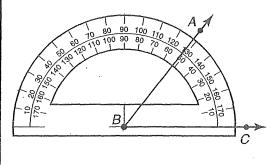
Draw an angle of 52°.

Step 1 Draw a ray.

Step 2 Place the protractor's center on the endpoint. Line up the ray with the 0° mark.

Step 3 Using the scale with the 0° mark, place a point at 52°.

Step 4 Draw the other ray.



 $\angle ABC = 52^{\circ}$



Classify each angle as acute, right, obtuse, or straight. Then measure the angle.

1.
2.

Draw an angle with each measure.

3. 45°
4. 120°

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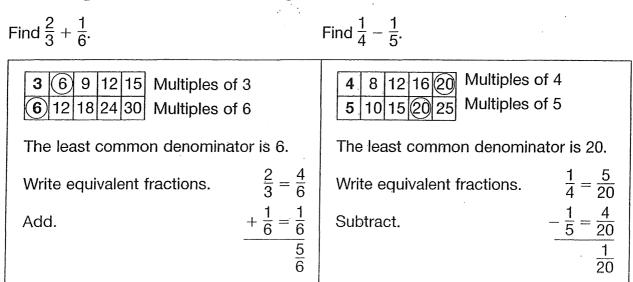
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R 9-2

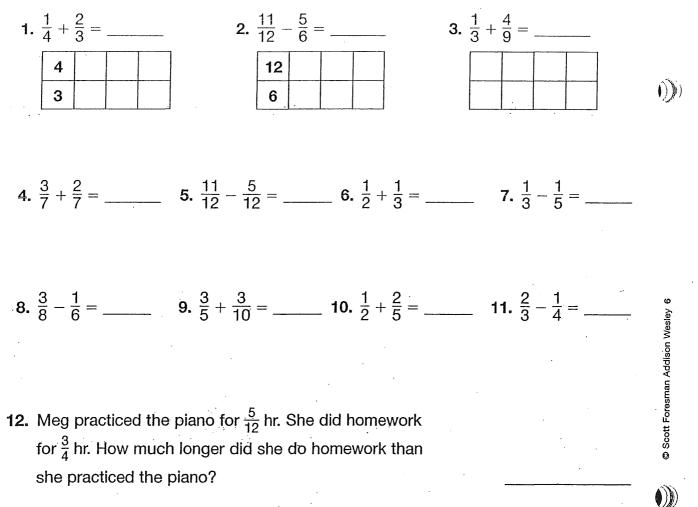
Review **10**

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Adding and Subtracting Fractions



Find each sum or difference.

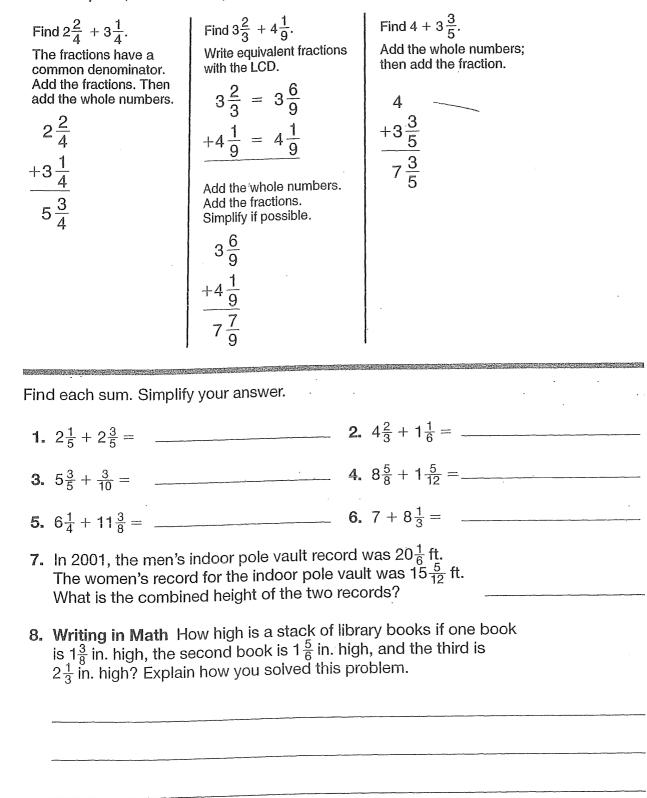


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Adding Mixed Numbers

To add mixed numbers, you can add the fractional parts to the whole number parts, and then simplify.



R 4-5

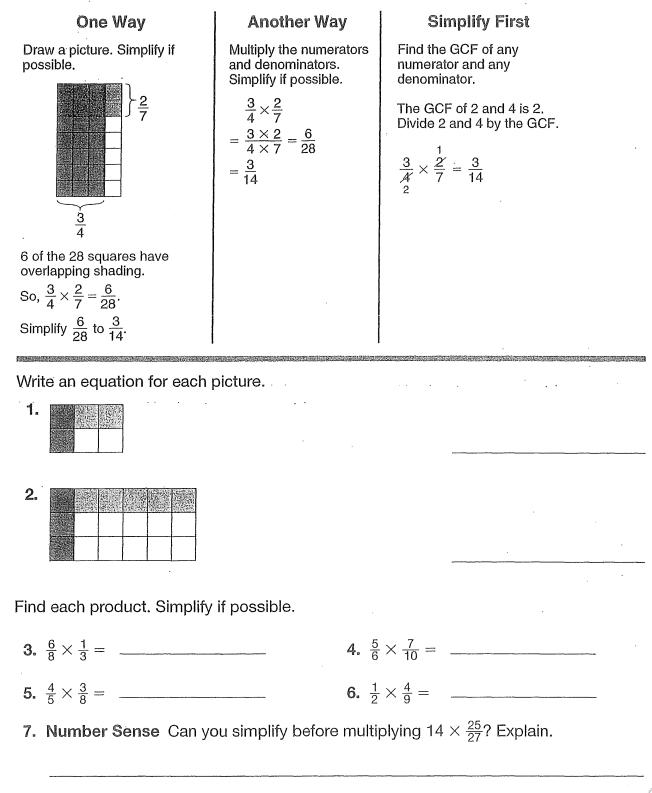
Name Review 12 **Subtracting Mixed Numbers** Subtract $3\frac{2}{3} - 2\frac{1}{6}$. Write equivalent fractions. Subtract the fractions. Subtract the whole numbers. Simplify. $3\frac{2}{3} = 3\frac{4}{6}$ $3\frac{2}{3} = 3\frac{4}{6}$ $3\frac{2}{3} = 3\frac{4}{6}$ $-2\frac{1}{6}=2\frac{1}{6}$ $\frac{-2\frac{1}{6}=2\frac{1}{6}}{\underline{3}}$ $-2\frac{1}{6}=2\frac{1}{6}$ $1\frac{3}{6} = 1\frac{1}{2}$ The LCD of 3 and 6 is 6. Find each difference. Simplify. 2. $2\frac{1}{3} = 2\frac{2}{6}$ - $1\frac{1}{6} = 1\frac{1}{6}$ 3. $-2\frac{1}{3}$ $3\frac{1}{3} = 3\frac{5}{15}$ - $2\frac{1}{5} = 2\frac{3}{15}$ 4. $6\frac{5}{8}$ - $2\frac{1}{8}$ $5\frac{5}{6}$ $1\frac{1}{8}$ 5. $3\frac{7}{10}$ $-1\frac{2}{5}$ 7. $3\frac{3}{4}$ - $2\frac{1}{6}$ $7\frac{7}{8}$ $-2\frac{3}{4}$ 6. 8. **9.** $2\frac{2}{3} - 1\frac{1}{4} =$ _____ **10.** $4\frac{3}{4} - 4\frac{2}{5} =$ _____ Scott Foresman Addison Wesle **11.** $2\frac{1}{3} - 1\frac{2}{3} =$ _____ **12.** $4\frac{4}{9} - 3\frac{2}{3} =$ _____ **13.** $3\frac{3}{8} - 2\frac{5}{6} =$ _____ **14.** $5\frac{1}{3} - 2\frac{5}{8} =$ _____

15. Greg found two rocks for his collection. One weighed $4\frac{1}{4}$ lb and the other weighed $2\frac{7}{8}$ lb. Find the difference in weights.

Multiplying Fractions

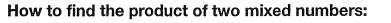
R 5-2



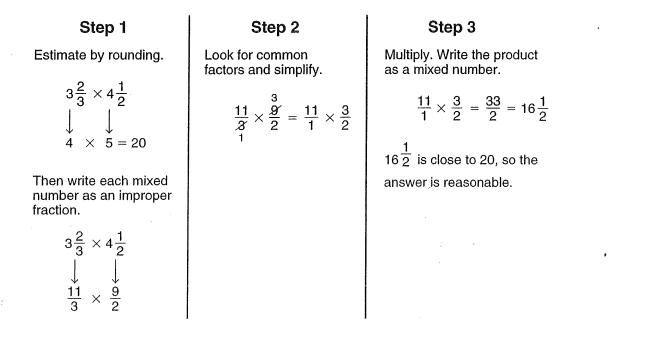


Multiplying Mixed Numbers

R 5-4



Find $3\frac{2}{3} \times 4\frac{1}{2}$.



Find each product. Simplify if possible.

- **1.** $2\frac{3}{4} \times 3\frac{1}{2} =$ _____ **2.** $2\frac{1}{5} \times 2\frac{2}{3} =$ _____
- **3.** $6 \times 3\frac{1}{4} =$ _____ **4.** $1\frac{2}{5} \times 3\frac{1}{4} =$ _____
- **5.** $4\frac{1}{2} \times 16 =$ _____ **6.** $1\frac{3}{8} \times 2\frac{1}{2} =$ _____
- 7. Number Sense Is $2 \times 17\frac{5}{6}$ greater than or less than 36? Explain.

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Work Backward

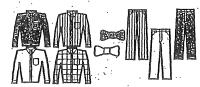
Problem Solving: Strategies

A computer store has 25 printers and computers. **Problem Solving Strategies** There are 7 more printers than computers. Act It Out How many of each are there? Draw a Picture Look For a Pattern Printers Computers Check • Try, Check, and Revise 20 - 5 = 1Guess 1 20 5 Make an Organized List 14 - 11 = 3Guess 2 14 11 Make a Table 16 - 9 = 7/**Guess 3** 16 9 Solve a Simpler Problem

Solution: There are 16 printers and 9 computers.

Use any strategy to solve.

- At the veterinarian's office, Terri learned that her dog weighed 4 times as much as her cat. Together the pets weighed 40 lbs. How much did the dog weigh?
- 2. Yasmin arrived home from play practice at 4:25 P.M. The walk home took 15 minutes. Practice began 20 minutes after the final bell and lasted for a half hour. When did school end?
- Vanessa, Diego, Rose and Randy stood in line for lunch. Rose was just behind Vanessa. Diego was not next to Rose or Randy. Write the line order.
- 4. Students played dodge ball and volleyball for 45 minutes. They played dodge ball for 11 more minutes than they played volleyball. How long did they play dodge ball?
- 5. Mr. Jones has 4 shirts, 2 ties, and 3 pair of pants. How many days in a row can he wear a different outfit?





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Units of Length

Customary Measurement

1 c = 8 fluid ounces (oz) foot (ft) 1 ft = 12 in.cup (c) pint (pt) $1 \, \text{pt} = 2 \, \text{c}$ 1 vd = 3 ftyard (yd) quart (qt) 1 qt = 2 pt1 yd = 36 in.1 gal = 4 gtmile (mi) 1 mi = 5,280 ftgallon (gal) 1 mi = 1,760 ydHow to change from one unit of measurement to another: To change from smaller units to larger To change from larger units to smaller ones, you have to divide. units in the customary system, you have to multiply. 256 oz = _____ c 120 yd = _____ ft 1 c = 8 oz1 vd = 3 ft $256 \div 8 = 32$ $120 \times 3 \text{ ft} = 360 \text{ ft}$ 256 oz = 32 c120 yd = 360 ftComplete. **2.** 4 qt = _____ c **1.** 36 in. = _____ ft **4.** 39 ft = _____ vd **3.** 5 lb = _____ oz **5.** 1.5 mi = _____ ft 6. 3.5 gal = _____ gt 7. 2 T = _____ lb 8. 16 pt = _____ qt **10.** 3 yd = _____ in. **9.** 64 oz = _____ lb **12.** 55 yd = _____ ft **11.** 4 gal = _____pt **14.** 20 pt = _____ gal **13.** 6.5 lb = _____ oz **15.** 4.5 qt = _____ c **16.** 205 yd = _____ ft

Units of Capacity

17. Reasoning A vendor at a festival sells soup for \$1.25 per cup or \$3.75 per quart. Which is the better buy?

R 10-1

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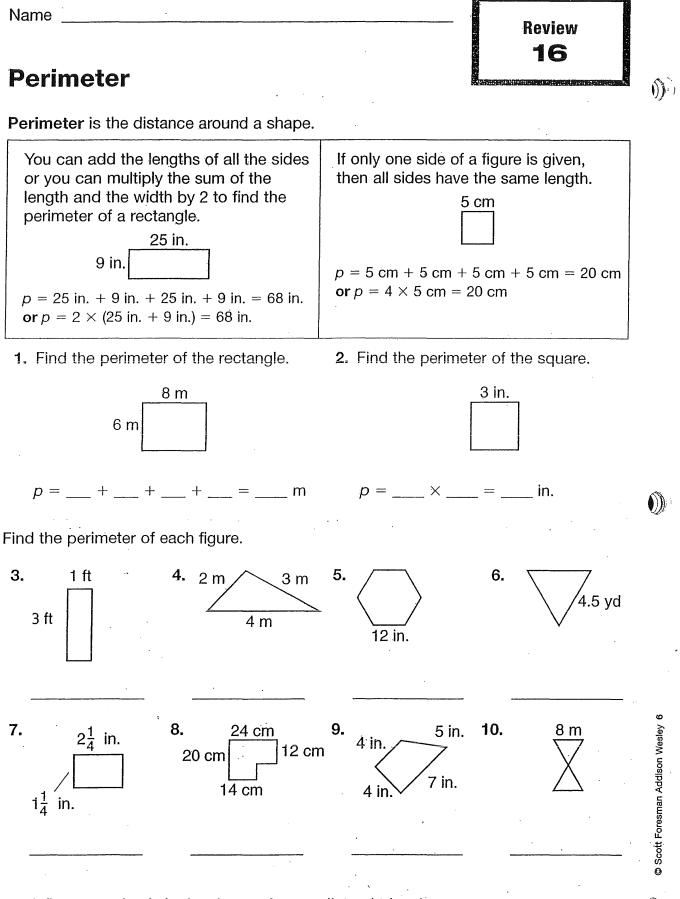
Metric Measurement

Changing from one metric unit to anot	her:		
To change from a larger unit to a smaller unit, multiply by a power of ten.	To change from a smaller unit to a larger unit, divide by a power of ten.		
3.8 L = mL	100 m = km		
A liter is a larger unit than a milliliter. To change from liters to milliliters, multiply. 1 L = 1,000 mL	The meter is a smaller unit than the kilometer. To change from meters to kilometers, divide.		
$3.8 \times 1,000 = 3,800$	1,000 m = 1 km		
3.8 L = 3,800 mL	$100 \div 1000 = 0.1$		
0.0 L - 0,000 ML	100 m = 0.1 km		
Name the most appropriate metric unit for 1. mass of a cow 2. length of a com	r each measurement. of a carrot 3. capacity of a thimble		
Complete.			
4. 45 g = mg	5. 3450 mL = L		
6. 4.5 m = mm	7. 1.68 L = mL		
8. 28 cm = mm	9. 7,658 g = kg		
10. 600 cm = m	11. 5,000 mg = g		
12. 5.1 km = m	13. 1.780 L = mL		
4. 0.780 L = mL	15. 4,300 m = km		
16. 9,000 cm = m	17. 8,000 mg = g		
8. Reasoning It is recommended that p calcium each day. How many milligra			

R 10-2

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11. A flower garden is in the shape of an equilateral triangle. Each side measures $15\frac{3}{8}$ ft. What is the garden's perimeter?

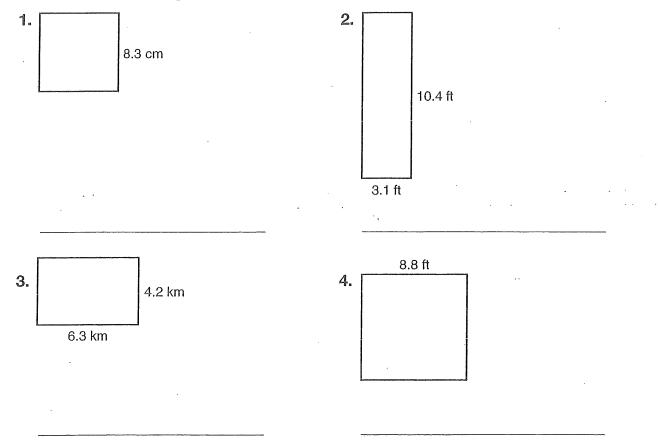
Area of Squares and Rectangles

R 10-8

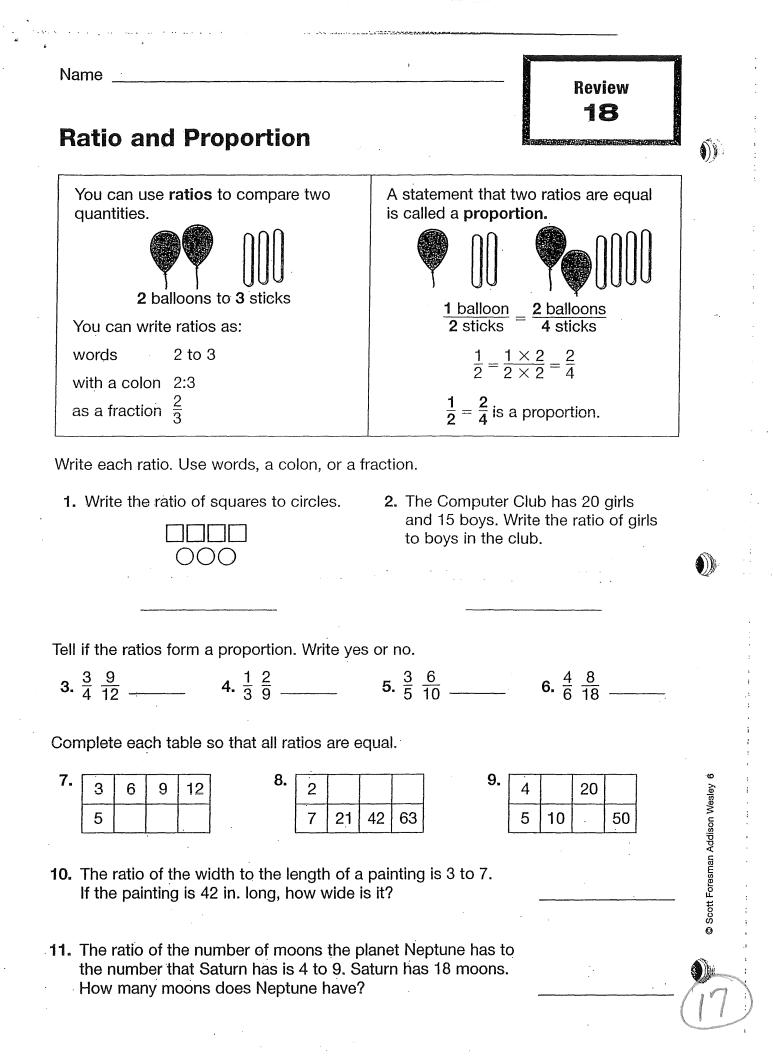
You can use formulas to find the area of a square or rectangle.

Find the area of a square that is 7.2 m on each side.	Find the area of a rectangle with a length (/) of 4 cm and a width (w) of 12 cm.
Use the formula $A = s^2$.	Use the formula $A = I \times w$.
$A = (7.2)^2$	$A = 4 \times 12$
A = 51.84	A = 48
The area is 51.84 m ² .	The area is 48 cm ² .

Find the area of each figure.



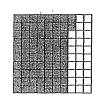
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- 5. Reasoning What is the length of a rectangle that has an area of 120 $\rm ft^2$ and a width of 8 ft?
- 6. Number Sense What is the area of a square that is 12.4 cm on each side?



Fractions, Decimals, and Percents

Fractions, decimals, and percents all name parts of a whole. The grid to the right has 72 out of 100 squares shaded.

72 out of 100 are shaded. As a fraction, that is $\frac{72}{100}$. As a decimal, that is 0.72. As a percent, that is 72%.



Write 40% as a fraction and decimal.

 $40\% = \frac{40}{100} = 0.40$

The decimal point moves two places to the left.

Write 0.47 as a fraction and percent. $0.47 = \frac{47}{100} = 47\%$

Write 0.3% as a fraction and decimal.

 $0.3\% = \frac{0.3}{100} = 0.003$

The decimal point moves two places to the left. Fill in any spaces with zeros.

Write $\frac{3}{4}$ as a decimal and percent.

You can use a proportion:

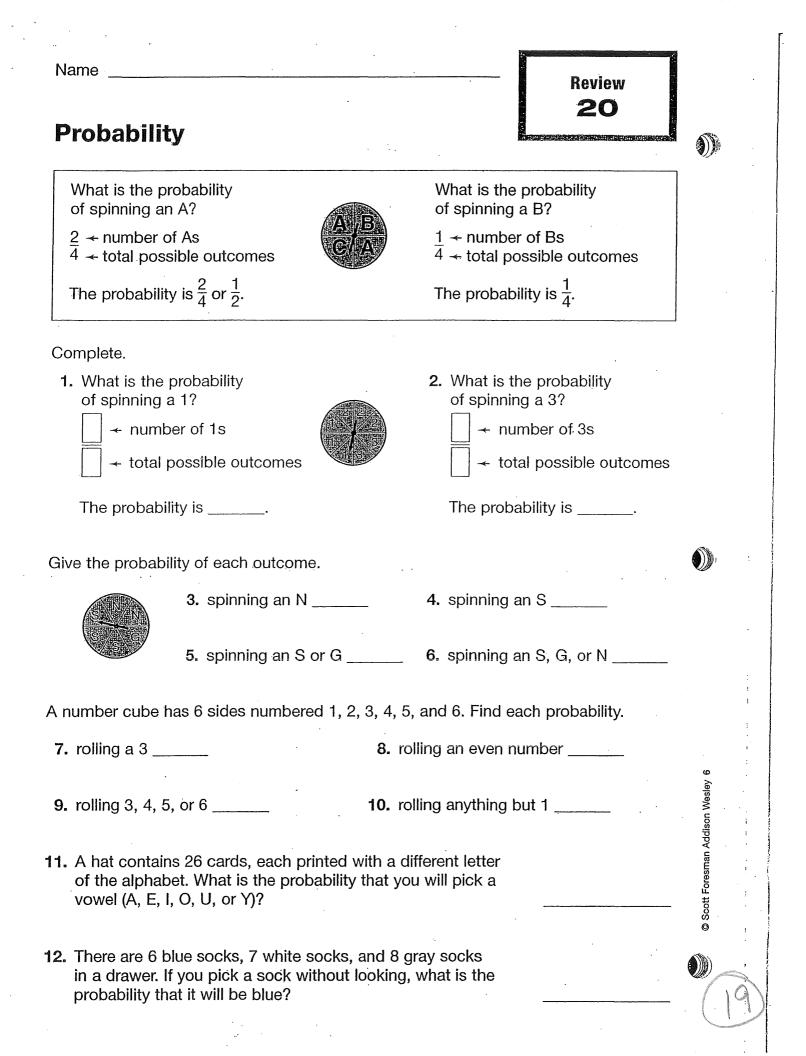
$$\frac{\frac{3}{4}}{\frac{4}{100}} = \frac{\frac{n}{100}}{\frac{4n}{4}} = \frac{300}{4}$$

 $n = 75$
So, $\frac{3}{4} = 0.75 = 75\%$.

Write each in two other ways.

1. $\frac{2}{10}$;;	2. $\frac{23}{100}$;;
3. $\frac{7}{10}$;;	4. 97%	;;
5. 16%	;	6. 52%	·;
7. 0.04		8. 0.35	;;;;;

9. Number Sense Sheila got 87% of the problem correct. Patrick got $\frac{91}{100}$ correct. Who scored higher?



Answers and Options for Further Review

REVIEW 1

If students need more help on adding and subtracting whole numbers, use F36 and F37 in the Math Diagnosis and Intervention System.

1.	201	2.	615	3.	1,109	4,	179
5.	198	6.	980	7.	564	8.	90
9.	31			10.	109		
11.	279			12.	221		
13,	588			14.	1,301		
15.	1,296			16.	2,109		
17.	491 car	ds					

REVIEW 2

If students need more help on adding and subtracting decimals, use I17 in the Math Diagnosis and Intervention System.

1.	15.95	2. 11.05
3.	780.2	4. 8.4
5.	74.97	6. 99.78
7.	244.09	8. 0.27
9.	7.4	10. 0.46
11.	5.44	12 . 127.41
13.	530.05	14. 112.91
15.	829.2 mi	16. \$5.21

REVIEW 3

If students need more help on multiplying whole numbers, use G59 in the Math Diagnosis and Intervention System.

1.	646	2.	2,408
3.	328	4.	1,196

5.	9,072	6.	7,770
7.	39,195	8.	74,304
9.	5,940	10.	8,800
11.	20,979	12.	49,680
13.	440	14.	640
15.	3,620	16.	4,896 lb
17.	504 miles		

REVIEW 4

If students need more help on multiplying decimals, use I20 through I23 in the Math Diagnosis and Intervention System.

1.	123.2	2.	14.4
3.	1.28	4.	0.015
5.	17.845	6.	0.396
7.	2.142	8.	17.55
9,	10.81	10.	4.5
11.	378	12.	0.088
13.	404	14.	1.47
15.	2,187.5 in.	16.	\$59.97

REVIEW 5

If students need more help on dividing whole numbers, use G52, G54, G66, and G67 in the Math Diagnosis and Intervention System.

1.	19	2.	66
3.	83	4.	226
5.	319	6.	35
7.	47	8.	35
9.	58	10.	83
11.	40	12.	145
13,	102	14	365
412	10 mainta inau aa	~ ~	

15. 19 points per game

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REVIEW 6

If students need more help on dividing decimals, use I26 in the Math Diagnosis and Intervention System.

2. 21.9 1. 2.3 4. 77.7 **3.** 15.7 **6.** 9.4 **5.** 95.6 7. 6.7 8. 4.89 10. 77.89 9. 33.64 **11.** 48.47 12. 17.89 14. 12.36 sec

13. \$3.79 per roll

REVIEW 7

If students need more help on problem solving, use M10 and M12 in the Math Diagnosis and Intervention System.

- 1. division; 33 teams
- 2. addition: 450.25 lb
- **3.** subtraction; \$48.05
- 4. division; \$0.60 per minute
- 5. multiplication; \$4.74

REVIEW 8

If students need more help on interpreting data, use L3, L5, and L25 in the Math Diagnosis and Intervention System.

- 1. 2 archers
- 2. 2 bull's eyes
- 3. April
- 4. March
- **5.** 1st and 5th
- 6. About \$1,600–\$1,700

REVIEW 9

If students need more help on lines and angles, use K46 and K49 in the Math Diagnosis and Intervention System.

- 1. intersecting and perpendicular
- 2. parallel 3. intersecting
- 4. straight
- 6. acute
- 7. right
- 8. obtuse **10.** straight
- 9. right 11. acute

5. obtuse

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REVIEW 10

If students need more help on adding and subtracting fractions, use H29 and H31 in the Math Diagnosis and Intervention System.

1. ¹¹ / ₁₂	2. $\frac{1}{12}$
3. $\frac{7}{9}$	4. 5/7
5. $\frac{1}{2}$	6. $\frac{5}{6}$
7. $\frac{2}{15}$	8. $\frac{5}{24}$
9. $\frac{9}{10}$	10. $\frac{9}{10}$
11. ⁵ / ₁₂	12. $\frac{1}{3}$ hour

REVIEW 15

If students need more help on measurement, use K2 and K6 through K10 in the Math Diagnosis and Intervention System.

1. 108	2. 5
3. 300	4. 1/2
5. 100	6. 40,000
7. 5,000	8. 2,640
9. 104	10. 4,300
11. 25,000	12. $1\frac{2}{3}$
13. 6.7	14. Yes, by 1.2 oz

REVIEW 16

If students need more help on perimeter, use K26 in the Math Diagnosis and Intervention System.

1. 28 2. 12 3.8 ft 4.9 m 5. 72 in. 6. 13.5 yd 7. 7 in. 8.88 cm 9. 20 in. 10. 48 m 11. $46\frac{1}{8}$ ft

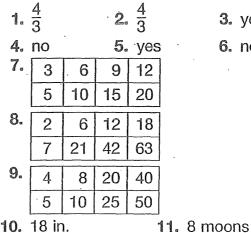
REVIEW 17

If students need more help on area, use K25 and K28 through K30 in the Math Diagnosis and Intervention System.

- **2.** 5 ft² **4.** 32 in² **1.** 63 in² **3.** 72 m² 6. $6\frac{1}{4}$ ft² **5.** 46.5 cm² 8. 180 mm² 7. 40 in² **10.** 25 ft² **9.** 4.5 yd²
- **11.** 75,000 yd²

REVIEW 18

If students need more help on ratio and proportion, use I30 and I31 in the Math Diagnosis and Intervention System.



3. ves

6. no

REVIEW 19

If students need more help on percents, use 136 in the Math Diagnosis and Intervention System.

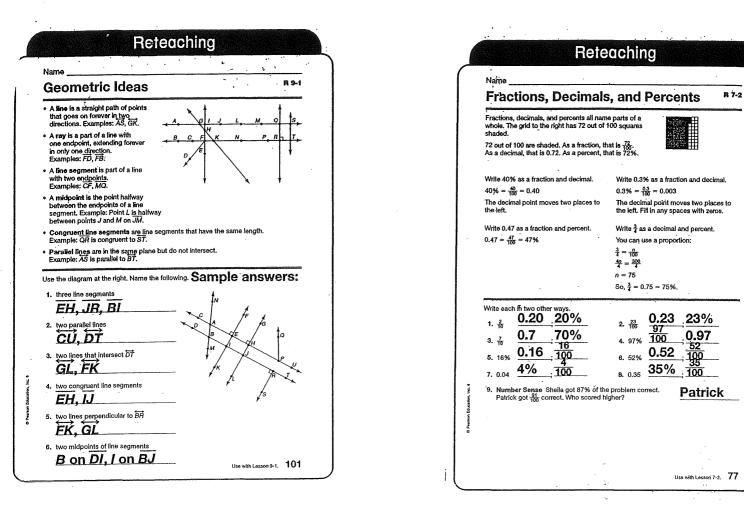
1.			15	3.	$\frac{1}{2}$	4.	$\frac{3}{4}$	á
5.	. <u>1</u> .10	6.	$\frac{3}{5}$	7.	0.45	8.	0.16	
9.	0.78	10.	0.04	11.	8	12.	4	
13.	3	14.	6.3	15.	3.5	16.	116	
17.	40 stu	dent	S	18.	38 pro	blen	ns	

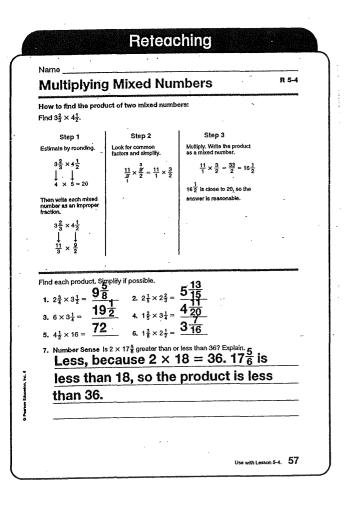
REVIEW 20

If students need more help on. probability, use L18 in the Math Diagnosis and Intervention System.

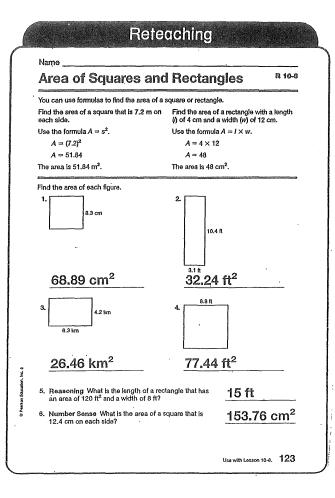
1. $\frac{3}{8}$	2. $\frac{1}{4}$	3. $\frac{1}{3}$	4. <u>1</u>
5. <u>2</u>	6. 1	7. $\frac{1}{6}$	8. <u>1</u>
9. <u>2</u>	10. $\frac{5}{6}$	11. $\frac{3}{13}$	12. 27

Scott Foresman • Addison Wesley



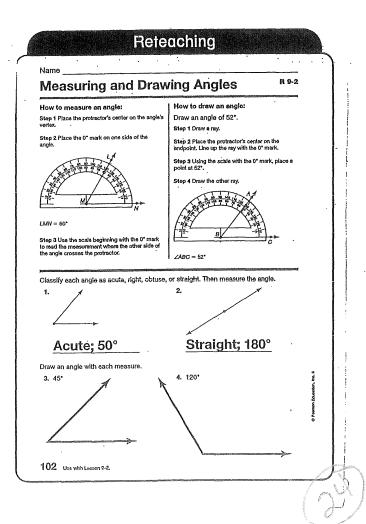


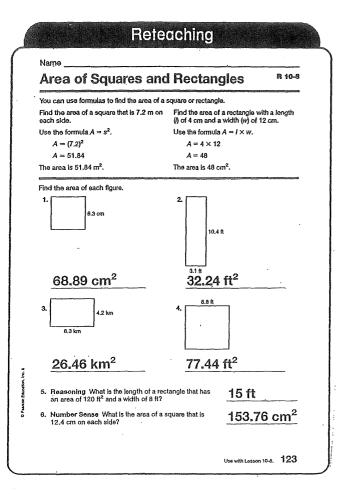
Adding Mi	xed Number	S ·	R 4-5
o add mixed number umber parts, and the	s, you can add the fractio n simplify.	nal parts to the whole	
Find $2\frac{2}{4} + 3\frac{1}{4}$. The fractions have a common denominator. Notice that the second secon	$ \begin{array}{l} \mbox{Find } 3\frac{2}{3} + 4\frac{1}{9}, \\ \mbox{With be LCD.} \\ 3\frac{2}{3} = 3\frac{6}{9} \\ + 4\frac{1}{9} = 4\frac{1}{9} \\ \mbox{Add the variole numbers.} \\ \mbox{Add the tractions.} \\ \mbox{Simplity R possible.} \\ \mbox{3}\frac{6}{9} \\ \mbox{+}\frac{4}{9} \\ \mbox{-}\frac{1}{9} \\ \mbox{-}\frac{4}{9} \\ \mbox{-}\frac{1}{9} \\ $	Find 4 + 3 $\frac{3}{5}$. Add the whole numbers; then add the fraction. 4 +3 $\frac{3}{5}$ 7 $\frac{3}{5}$	
ind each sum. Simplify 1. $2\frac{1}{5} + 2\frac{3}{5} = \frac{45}{5}$ 3. $5\frac{3}{5} + \frac{3}{10} = \frac{51}{17}$ 5. $6\frac{1}{4} + 11\frac{3}{8} = \frac{17}{17}$ The women's recommendence of the second secon	2. 0 .5 0 .5 0 .5	$4\frac{2}{3} + 1\frac{1}{3} = \frac{5\frac{5}{6}}{10\frac{1}{24}}$ $8\frac{5}{8} + 1\frac{5}{2} = \frac{10\frac{1}{24}}{15\frac{1}{3}}$ $7 + 8\frac{1}{3} = \frac{15\frac{1}{3}}{15\frac{1}{3}}$ was 20\frac{1}{6}35\frac{7}{12}	
What is the combin Writing in Math Ho is 1 ² / ₃ in high, the se 2 ¹ / ₃ in bigh? Explain	ed height of the two reco ow high is a stack of libra econd book is 1 § in. high a how you solved this proi	rds?	



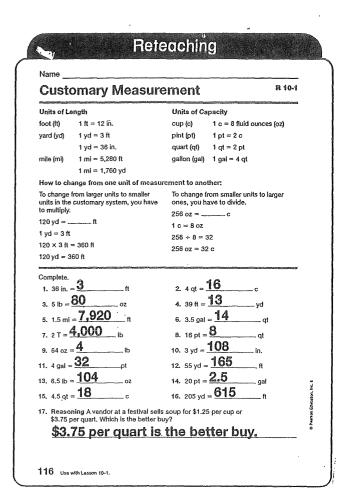
Metric Measurem	ient R 10-2
changing from one metric unit to a	nother:
o change from a larger unit to a sma nit, multiply by a power of ten.	ller To change from a smaller unit to a larger unit, divide by a power of ten.
3.8 L = mL	100 m = km
, liter is a larger unit than a milliliter. I hange from liters to milliliters, multip	
1 L = 1,000 mL	1,000 m = 1 km
$3.8 \times 1,000 = 3,800$	$100 \div 1000 = 0.1$
3.8 L = 3,800 mL	100 m = 0.1 km
kg c omplete. 4. 45 g = $\frac{45,000}{4,500}$ mg 5. 4.5 m = $\frac{4,500}{2,500}$ mm 4. 28 cm = $\frac{280}{2,500}$ mm 5. 600 cm = $\frac{6}{2,500}$ m 6. 0.780 L = $\frac{780}{2,500}$ mL 5. 9,000 cm = $\frac{90}{2,500}$ m 6. Reasoning It is recommended the calcium each day. How many milling 1.000 mg	

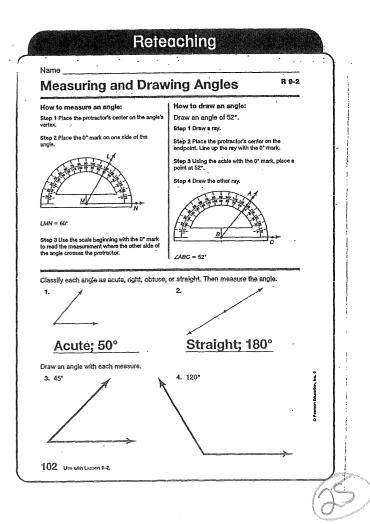
Cust	omary Measure	ement		R 10-1
Units of L	əngtin	Units of Ca	pacity	hillestanosasta
foot (ft)	1 ft = 12 in.	cup (c)	1 c = 8 fluid ounces	s (oz)
yard (yd)	1 yd = 3 ft	pint (pt)	1 pt = 2 c	
	1 yd = 36 in.	quart (qt)	1 qt = 2 pt	
mile (mi)	1 mi = 5,280 ft	gallon (gal)	1 gal = 4 qt	
	1 mi = 1,760 yd			
How to ch	ange from one unit of measur	ement to ano	ther:	
units in the	from larger units to smaller customary system, you have		rom smaller units to la ave to divide.	ndet
to multiply.		256 oz = c		
120 yd = ft		1 c = 8 oz		
1 yd = 3 ft 120 \times 3 ft = 360 ft		$256 \div 8 = 32$		
120 × 3 ft 120 yd = 3		256 oz = 32	c c	
Complete.	a a a a a a a a a a a a a a a a a a a		anande politikany en sy det en yezhoù	and the second
1. 36 in.		2,4 qt =		
3, 5 lb ≕	80oz	4. 39 ft =	<u>13</u> yd	
	<u>-7,920</u> it	6. 3.5 gal		
7.2T=	4,000 ib	8. 16 pt =		
9, 64 oz -	= 4 lb	10. 3 yd =	<u>108</u> in.	
11.4 gal =	. <u>32</u> pt	12. 55 yd =	<u>165</u> "	
13.6 <i>.</i> 5 lb :	<u>104</u> _{oz}	14. 20 pt =		
15, 4.5 qt		16. 205 yd		
	ning A vendor at a festival sells	soup for \$1.25	per cup or	1

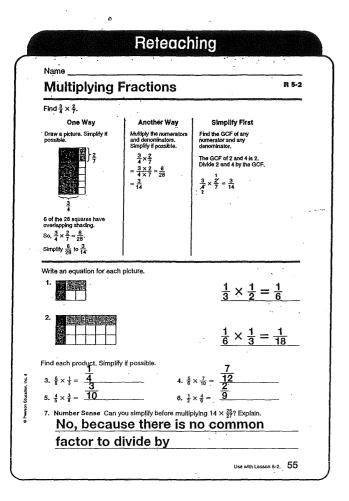




	ent ^{R 10-2}
Changing from one metric unit to a	nother:
To change from a larger unit to a smal unit, multiply by a power of ten.	ler To change from a smaller unit to a larger unit, divide by a power of ten.
3.8 L = mL	100 m = km
liter is a larger unit than a milliliter. The hange from liters to milliliters, multipl	
1 L = 1,000 mL	1,000 m = 1 km
3.8 × 1,000 = 3,800	$100 \div 1000 = 0.1$
3.8 L = 3,800 mL	100 m = 0.1 km
6. $4.5 \text{ m} = \frac{4,500}{280} \text{ mm}$ a. $28 \text{ cm} = \frac{280}{280} \text{ mm}$ b. $600 \text{ cm} = \frac{6}{5,100} \text{ m}$ c. $5.1 \text{ km} = \frac{5,100}{280} \text{ mL}$ d. $0.780 \text{ L} = \frac{780}{280} \text{ mL}$	5. $3450 \text{ mL} = 3.45 \text{ L}$ 7. $1.68 \text{ L} = 1,680 \text{ mL}$ 9. $7,658 \text{ g} = 7.658 \text{ kg}$ 11. $5,000 \text{ mg} = 5 \text{ g}$ 13. $1.780 \text{ L} = 1,780 \text{ mL}$ 15. $4,300 \text{ m} = 4.3 \text{ km}$ 17. $8,000 \text{ mg} = 8 \text{ g}$
 Reasoning It is recommended that calcium each day. How many millig 	at people have 1 g of grams of calcium is that?







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