



## Use after Unit One, Session 10 (cont.)

### Page 10, Centimeters, Decimeters & Meters (cont.)

- 3 a (challenge) Sherman crawled 237 cm farther than Sidney.  
 b (challenge) Explanations will vary.  
 Example: *Sidney was faster because he would have gone 5 meters or 500 cm in an hour.*

## Use after Unit One, Session 21

### Page 11, Multiplication & Division Facts







- 1 24, 16, 42, 30, 24, 18, 0  
 8, 36, 36, 40, 15, 63, 48  
 9, 6, 9, 4  
 2, 6, 2, 7
- 2 18, 20, 35, 32, 64  
 2, 5, 3, 5, 8
- 3 (challenge) Responses will vary. Example: *Since 16 is  $2 \times 8$ , you can multiply the answer to  $4 \times 8$  by 2 to get  $4 \times 16$ .  $4 \times 8 = 32$  and  $32 \times 2 = 64$ , so  $4 \times 16 = 64$ .*

### Page 12, Sandwiches, Pizza & Books

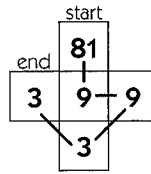
- 1 \$18  
 2 4 pieces of pizza  
 3 (challenge) 12,706 books

### Page 13, All in the Family

1

<p><b>example</b></p>  $\begin{array}{r} 2 \times 8 = 16 \\ 8 \times 2 = 16 \\ 16 \div 8 = 2 \\ 16 \div 2 = 8 \end{array}$	<p><b>a</b></p>  $\begin{array}{r} 3 \times 7 = 21 \\ 7 \times 3 = 21 \\ 21 \div 7 = 3 \\ 21 \div 3 = 7 \end{array}$	<p><b>b</b></p>  $\begin{array}{r} 5 \times 6 = 30 \\ 6 \times 5 = 30 \\ 30 \div 6 = 5 \\ 30 \div 5 = 6 \end{array}$
<p><b>c</b></p>  $\begin{array}{r} 8 \times 6 = 48 \\ 6 \times 8 = 48 \\ 48 \div 6 = 8 \\ 48 \div 8 = 6 \end{array}$	<p><b>d</b></p>  $\begin{array}{r} 8 \times 4 = 32 \\ 4 \times 8 = 32 \\ 32 \div 4 = 8 \\ 32 \div 8 = 4 \end{array}$	<p><b>e</b></p>  $\begin{array}{r} 3 \times 6 = 18 \\ 6 \times 3 = 18 \\ 18 \div 6 = 3 \\ 18 \div 3 = 6 \end{array}$

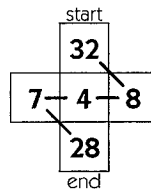
- 2 a (challenge)



$$81 \div 9 = 9$$

$$9 \div 3 = 3$$

- b (challenge)



$$32 \div 8 = 4$$

$$4 \times 7 = 28$$

### Page 14, Flowers, Shells & Cards

- 1 24 flowers  
 2 6 shells  
 3 (challenge) 6 bundles

### Page 15, Multiples & Multiplication Facts

- 1 a 9, 21  
 b 12, 24  
 c 27, 54
- 2 a 6, 8, 14, 10 should be circled.  
 b 8, 16, 20, 28 should be circled.  
 c 21, 14, 42, 35 should be circled.  
 d 32, 48, 16, 72 should be circled.  
 e 21, 18, 36, 12 should be circled.
- 3 81, 27, 16, 12, 56  
 8, 2, 6, 9, 4  
 (challenge) 12, 24, 48, 96, 192

### Page 16, Tasty Treats

- 1 40 milkshakes  
 2 There are two possible answers:  
 2 cookies each, with 3 cookies left over OR  
 2½ cookies each  
 3 (challenge) 197 pounds of vegetables



## Use after Unit One, Session 21 (cont.)

## Page 17, Arrays &amp; Factors

1

<p>a 16</p> $\begin{array}{r} 2 \times 8 = 16 \\ 8 \times 2 = 16 \\ 16 \div 8 = 2 \\ 16 \div 2 = 8 \end{array}$ <p>(A <math>4 \times 4</math> square accompanied by the appropriate equations is also acceptable.)</p>	<p>b 18</p> $\begin{array}{r} 3 \times 6 = 18 \\ 6 \times 3 = 18 \\ 18 \div 6 = 3 \\ 18 \div 3 = 6 \end{array}$ <p>(A <math>2 \times 9</math> rectangle accompanied by the appropriate equations is also acceptable.)</p>
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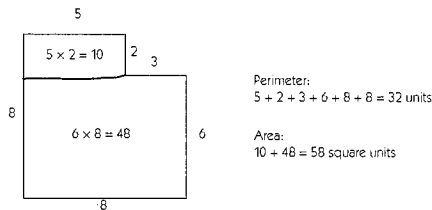
- 2 a 1, 2, 4, 8, 16  
 b 1, 17  
 c 1, 2, 3, 4, 6, 8, 12, 24  
 d 1, 3, 9  
 e 1, 2, 3, 4, 6, 9, 12, 18, 36
- 3 a 17 should be circled.  
 b 16, 9, and 36 should have squares around them.
- 4 a (challenge)  $306 + 398 = 704$   
 b (challenge)  $623 - 446 = 177$

## Page 18, The Big Race &amp; the Walk-a-Thon

- 1 3 hours  
 2 30 kilometers  
 3 4 groups of 8, or 8 groups of 4, or 16 groups of 2.

## Page 19, Area &amp; Perimeter

- 1 a Perimeter:  $4 + 4 + 4 + 4 = 16$  units;  
 Area:  $4 \times 4 = 16$  square units  
 b Perimeter:  $4 + 4 + 6 + 6 = 20$  units;  
 Area:  $4 \times 6 = 24$  square units  
 c Perimeter:  $3 + 3 + 7 + 7 = 20$  units;  
 Area:  $3 \times 7 = 21$  square units
- 2 (challenge) Perimeter = 32 units  
 Area = 58 square units  
 Students' work will vary. Example:



## Page 20, Area &amp; Perimeter Story Problems

- 1 a 72 square feet  
 b 34 feet
- 2 a 28 square feet  
 b 22 feet
- 3 1,500 feet

## Use after Unit Two, Session 10

## Page 21, Place Value &amp; Perimeter

- 1 a 9,248  
 b 17,633  
 c 32,058
- 2 a Hundreds, six hundred  
 b Hundreds, zero  
 c Ten thousands, forty thousand
- 3 a 720 inches  
 b 962 inches

## Page 22, Measuring to Find Area &amp; Perimeter

<p>example</p> <p>Area <math>\underline{6 \text{ cm}^2}</math>          Perimeter <math>\underline{10 \text{ cm}}</math></p>	<p>1</p> <p>Area <math>\underline{15 \text{ cm}^2}</math>          Perimeter <math>\underline{16 \text{ cm}}</math></p>
<p>2</p> <p>Area <math>\underline{12 \text{ cm}^2}</math>          Perimeter <math>\underline{16 \text{ cm}}</math></p>	<p>3</p> <p>Area <math>\underline{20 \text{ cm}^2}</math>          Perimeter <math>\underline{18 \text{ cm}}</math></p>
<p>4</p> <p>Area <math>\underline{5 \text{ cm}^2}</math> Perimeter <math>\underline{9 \text{ cm}}</math></p>	

## Page 23, Multiplication &amp; Division Practice

- 1 21, 16, 36, 25, 8, 54, 12  
 8, 4, 2, 8  
 6, 5, 8, 6
- 2 63, 0, 49, 5, 40  
 6, 8, 8, 4, 6



## Use after Unit Two, Session 10 (cont.)

### Page 23, Multiplication & Division Practice (cont.)

- 3 40; 400; 4,000; 70; 700; 7,000  
800; 50; 6,000; 20; 900; 0
- 4 (challenge) 100, 8, 10

### Page 24, Multiplication & Division Story Problems

- 1 700 bags of dried apples
- 2 20 miles
- 3 6,000 footballs
- 4 (challenge) Students' work will vary. Possible equal groups are:
- 4 groups of 25 seashells
  - 5 groups of 20 seashells
  - 10 groups of 10 seashells
  - 20 groups of 5 seashells
  - 25 groups of 4 seashells
  - 50 groups of 2 seashells

### Page 25, Expanded Notation & Fact Families

- 1 a 20,456  
b 32,112  
c 7,046  
d 96,035  
e 63,007  
f 13,855  
g 50,305
- 2 a 1,000  
b 300  
c 7,000  
d 30  
e 400  
f 60  
g 400

3

<p>a</p> <div style="text-align: center; margin-bottom: 10px;"> <math display="block">\begin{array}{r} 7 \\ 3 \overline{) 21} \end{array}</math> </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><math>3 \times 7 = 21</math></td> <td style="padding: 2px;"><math>6 \times 9 = 54</math></td> </tr> <tr> <td style="padding: 2px;"><math>7 \times 3 = 21</math></td> <td style="padding: 2px;"><math>9 \times 6 = 54</math></td> </tr> <tr> <td style="padding: 2px;"><math>21 \div 7 = 3</math></td> <td style="padding: 2px;"><math>54 \div 9 = 6</math></td> </tr> <tr> <td style="padding: 2px;"><math>21 \div 3 = 7</math></td> <td style="padding: 2px;"><math>54 \div 6 = 9</math></td> </tr> </table>	$3 \times 7 = 21$	$6 \times 9 = 54$	$7 \times 3 = 21$	$9 \times 6 = 54$	$21 \div 7 = 3$	$54 \div 9 = 6$	$21 \div 3 = 7$	$54 \div 6 = 9$	<p>b</p> <div style="text-align: center; margin-bottom: 10px;"> <math display="block">\begin{array}{r} 9 \\ 6 \overline{) 54} \end{array}</math> </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><math>3 \times 7 = 21</math></td> <td style="padding: 2px;"><math>6 \times 9 = 54</math></td> </tr> <tr> <td style="padding: 2px;"><math>7 \times 3 = 21</math></td> <td style="padding: 2px;"><math>9 \times 6 = 54</math></td> </tr> <tr> <td style="padding: 2px;"><math>21 \div 7 = 3</math></td> <td style="padding: 2px;"><math>54 \div 9 = 6</math></td> </tr> <tr> <td style="padding: 2px;"><math>21 \div 3 = 7</math></td> <td style="padding: 2px;"><math>54 \div 6 = 9</math></td> </tr> </table>	$3 \times 7 = 21$	$6 \times 9 = 54$	$7 \times 3 = 21$	$9 \times 6 = 54$	$21 \div 7 = 3$	$54 \div 9 = 6$	$21 \div 3 = 7$	$54 \div 6 = 9$
$3 \times 7 = 21$	$6 \times 9 = 54$																
$7 \times 3 = 21$	$9 \times 6 = 54$																
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$21 \div 7 = 3$	$54 \div 9 = 6$																
$21 \div 3 = 7$	$54 \div 6 = 9$																

### Page 26, Money & Stadium Seats

- 1 \$65.00
- 2 2504 empty seats
- 3 (challenge) \$1,335.00 more

### Page 27, Time after Time

- 1 Clock hands should show 7:35.
- 2 Clock hands should show 9:50.
- 3 Clock hands should show 5:20.
- 4 (challenge) Responses will vary. Example: *Clock hands that show 4:15 on the first clock and 5:40 on the second clock*

### Page 28, Time & Distance Problems

- 1 a 1 hour and 10 minutes  
b (challenge) 3:55 pm
- 2 a 1,000 centimeters each hour  
b 10 meters  
c (challenge) 15 meters; explanations will vary. Example: *Half of 10 is 5, so the spider will crawl 5 more meters in 1 and a half hours.*

### Page 29, Number Riddles

- 1
- |  |        |
|--|--------|
| example This number has a 2 in the thousands place.      | 46,305 |
| a This is an even number with a 6 in the hundreds place. | 32,617 |
| b This number is equal to $30,000 + 4,000 + 80 + 2$ .    | 45,052 |
| c This number is 1000 less than 46,052.                  | 19,628 |
| d This is an odd number with a 6 in the thousands place. | 34,082 |
- 2 a Thirty-three thousand, seventy-two  
b Eighty-six thousand, one hundred five  
c Seventy-four thousand, six hundred twenty-nine
- 3 (challenge) Answers will vary. Example: 5,730

### Page 30, The Arcade & the Animal Shelter

- 1 a Responses will vary. Example: *How much money does Rene have?*  
b \$2.25
- 2 a Responses will vary. Example: *How much money did Lin get for the shelter?*  
b 75¢

## Use after Unit Two, Session 21

### Page 31, Counting Coins & Bills

- 1 a \$0.66  
b \$0.50  
c \$0.17  
d \$0.75  
e \$0.61



## Use after Unit Two, Session 21 (cont.)

### Page 31, Counting Coins & Bills (cont.)

- 2 a \$3.47  
 b \$1.74  
 c \$1.12  
 d \$5.85  
 e \$3.91  
 f (challenge) \$7.97  
 g (challenge) \$16.45

### Page 32, How Much Change?

- 1 \$3.35  
 2 \$6.11  
 3 (challenge) \$4.06

### Page 33, Multiplying with Money

- 1 a 75; students' work will vary.  
 b 105; students' work will vary.  
 2 a (challenge) 310; students' work will vary.  
 b (challenge) 315; students' work will vary.

### Page 34, Money & Miles Per Hour

- 1 \$60.00  
 2 39 miles  
 3 (challenge) \$300.00

### Page 35, Fill the Frames

1		$40 + 20 = 60$	$4 \times 15 = 60$
2		$30 + 21 = 51$	$3 \times 17 = 51$
3		$50 + 30 = 80$	$5 \times 16 = 80$

### Page 36, Apricots & Carrots

- 1 \$1.35  
 2 \$2.25  
 3 (challenge) 3 loads of laundry

### Page 37, Addition & Multiplication Puzzles

1 a

			225
66	13	100	179
80	50	30	160
75	13	50	138
			166

2 a

			60
100	2	3	600
4	2	1,000	8,000
10	3	2	60
			400

- 3 a 2  
 b 10  
 c 8  
 d 2  
 e 100

### Page 38, Candy & Video Games

- 1 a Responses will vary. Example: *How much money did Joya spend in all?*  
 b \$2.24  
 2 a Responses will vary. Example: *How much money does Devante need?*  
 b \$139.00

### Page 39, Multiplication Puzzles

1

			60
3	5	5	75
7	2	3	42
6	2	6	72
			36



## Use after Unit Two, Session 21 (cont.)

## Page 39, Multiplication Puzzles (cont.)

2

			60
5	5	3	75
3	4	5	60
5	5	6	150
			120

3

			100
4	8	5	160
2	5	5	50
4	3	4	48
			80

4 (challenge)

			240
7	2	20	280
5	3	4	60
4	6	3	72
			63

5 (challenge)

			120
3	30	4	360
7	6	10	420
5	25	2	250
			36

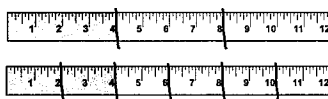
## Page 40, The Information You Need

- 1 Emilio has \$125. He wants to buy a new video game system that usually costs \$312 but is on sale for \$289. He wants to borrow money from his brother so that he can buy it while it is on sale. How much money will Emilio need to borrow to buy the game system while it is on sale?
- a Responses will vary. Example: *How much money does Emilio need to borrow?*
- b & c See above.
- d \$164.00
- 2 Marie had a \$5 bill, three \$1 bills, 2 quarters, and 3 pennies in her pocket. She bought a bottle of juice for 89¢ and an apple for 65¢. If she paid with two \$1 bills, how much change did she get back?
- a Responses will vary. Example: *How much change did Marie get?*
- b & c See above.
- d 46¢

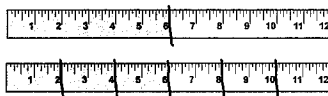
## Use after Unit Three, Session 10

## Page 41, Fractions of a Foot

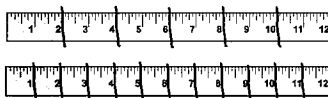
- 1 a
- $\frac{1}{3}, \frac{2}{6}, \frac{4}{12}$



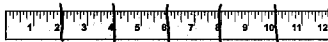
- b
- $\frac{1}{2}, \frac{3}{6}, \frac{6}{12}$



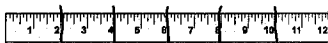
- c
- $\frac{1}{6}, \frac{2}{12}$



- 2 a
- $\frac{4}{6}, \frac{2}{3}$



- b
- $\frac{5}{6}$

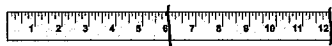




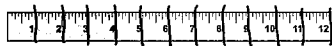
## Use after Unit Three, Session 10 (cont.)

## Page 41, Fractions of a Foot (cont.)

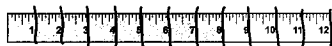
2 c  $\frac{2}{2}, \frac{3}{3}, \frac{4}{4}, \frac{6}{6}, \frac{12}{12}$



d  $\frac{4}{12}, \frac{1}{3}$



e  $\frac{8}{12}, \frac{4}{6}$



## Page 42, More Fractions of a Foot

1 a 6

b 3

c 2

d 4

2 a  $\frac{1}{3}$  should be circled (4 inches, 3 inches)

b  $\frac{2}{3}$  should be circled (8 inches, 6 inches)

c  $\frac{1}{2}$  and  $\frac{3}{6}$  should be circled (both are 6 inches)

d  $\frac{3}{4}$  should be circled (8 inches, 9 inches)

e  $\frac{2}{3}$  should be circled (3 inches, 8 inches)

3 a 1, 2, 3, 4, 6, 12

b 1, 3, 5, 15

c 1, 2, 3, 4, 6, 9, 12, 18, 36

d 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

e (challenge) 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 24, 30, 40, 60, 120

## Page 43, Comparing Fractions on a Number Line

1 a  $\frac{2}{3}$  should be circled;  $\frac{2}{3} > \frac{2}{6}$

b  $\frac{5}{6}$  should be circled;  $\frac{5}{6} > \frac{1}{3}$

2 a  $\frac{3}{4}$  should be circled;  $\frac{3}{4} > \frac{2}{3}$

b  $\frac{5}{6}$  should be circled;  $\frac{5}{6} > \frac{2}{3}$

c  $\frac{5}{6}$  should be circled;  $\frac{5}{6} > \frac{3}{4}$

## Page 44, Egg Carton Fractions

1 6, 4, 3, 2

18, 8, 9, 10

2 a  $\frac{2}{6}$

b  $\frac{1}{4}$

c  $\frac{1}{2}$

d  $\frac{5}{6}$

e  $\frac{3}{4}$

f  $\frac{4}{6}$

3 a  $\frac{4}{6} = \frac{2}{3}$

b  $\frac{1}{3} > \frac{1}{4}$

c  $\frac{3}{4} < \frac{5}{6}$

d  $\frac{1}{3} < \frac{3}{4}$

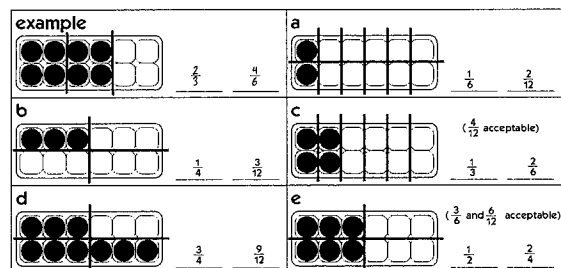
e  $\frac{1}{2} = \frac{2}{4}$

f  $\frac{2}{3} < \frac{3}{4}$

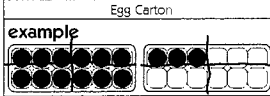
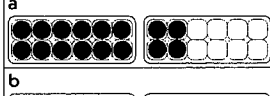

g  $\frac{2}{6} = \frac{1}{3}$

## Page 45, More Egg Carton Fractions

1



2

Egg Carton	Mixed Fraction	Improper Fraction
example 	$1\frac{1}{4}$	$\frac{5}{4}$
a 	$1\frac{1}{3}$ ( $1\frac{2}{6}$ or $1\frac{4}{12}$ acceptable)	$\frac{4}{3}$ ( $\frac{8}{6}$ or $\frac{16}{12}$ acceptable)
b 	$1\frac{2}{3}$ ( $1\frac{4}{6}$ or $1\frac{8}{12}$ acceptable)	$\frac{5}{3}$ ( $\frac{10}{6}$ or $\frac{20}{12}$ acceptable)

## Page 46, Comparing &amp; Ordering Fractions

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

2  $\frac{1}{4}, \frac{1}{2}, 1\frac{3}{4}, 2\frac{1}{4}, 3$

3  $\frac{2}{3}, 2, 2\frac{1}{3}$

4 (challenge)  $\frac{8}{9}$ ; explanations will vary. Example:  $\frac{3}{4}$  is  $\frac{1}{4}$  less than 1.  $\frac{8}{9}$  is  $\frac{1}{9}$  less than 1.  $\frac{1}{4}$  is more than  $\frac{1}{9}$ , so  $\frac{3}{4}$  must be less than  $\frac{8}{9}$ .

5 (challenge)  $\frac{5}{4}$ ; explanations will vary. Example:  $\frac{5}{4}$  is the same as  $1\frac{1}{4}$ .  $\frac{10}{9}$  is the same as  $1\frac{1}{9}$ .  $\frac{1}{4} > \frac{1}{9}$ , so  $\frac{5}{4} > \frac{10}{9}$ .

## Page 47, Fractions &amp; Mixed Numbers on a Number Line

1 a  $\frac{3}{2}$

b  $1\frac{2}{4}$  ( $1\frac{1}{2}$  is also acceptable)

c  $1\frac{1}{2}$

d  $3\frac{1}{4}$

e  $\frac{5}{2}$

f  $\frac{8}{4}$

2 (challenge)  $\frac{1}{2}$

3 (challenge)  $1\frac{1}{2}$

4 (challenge)  $8\frac{1}{2}$

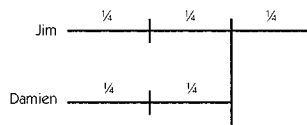


## Use after Unit Three, Session 10 (cont.)

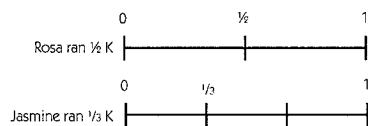
### Page 48, Fraction Story Problems

- 1 Jim's string is  $\frac{1}{4}$  of a foot longer than Damien's.

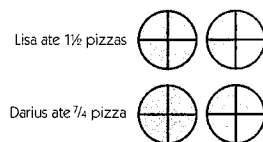
Student work will vary. Example:



- 2 Rosa ran further than Jasmine. Student work will vary. Example:



- 3 (challenge) Darius ate  $\frac{1}{4}$  more of a pizza than Lisa did. Student work will vary. Example:



### Page 49, Clock Fractions

- 1 a 30  
 b 20  
 c 15  
 d 10
- 2 Note: *Other shadings are possible.*

Fractions	Picture on a Clock	How Many Minutes?
a $\frac{3}{4}$		45 minutes
b $\frac{2}{3}$		40 minutes
c $\frac{1}{6}$		10 minutes

### Page 50, Time & Fractions

- 1 a Mai spent more time doing homework.  
 (10 more minutes) Students' work will vary.  
 b 5:15; students' work will vary.  
 c 5:25; students' work will vary.
- 2 (challenge) It takes 10 more minutes to get to Ashley's aunt's house.

## Use after Unit Three, Session 20

### Page 51, Multiplication Tables

- 1 a 15, 6, 27, 9, 24, 18, 21, 12  
 b 20, 8, 36, 12, 32, 24, 28, 16  
 c 40, 16, 72, 24, 64, 48, 56, 32
- 2 8, 9, 4, 4  
 8, 8, 3, 3
- 3 (challenge) Answers will vary. Example: 376
- 4 (challenge) Answers will vary. Example:  $2 \times 376 = 752$

### Page 52, Fractions & Division

- 1 a  $\frac{1}{2}$   
 b  $\frac{1}{4}$   
 c  $\frac{1}{6}$
- 2 Each friend got  $\frac{1}{3}$  of the cookie.
- 3 Each friend got  $\frac{4}{3}$  or  $1\frac{1}{3}$  cookies.

### Page 53, More Multiplication Tables

- 1 32, 30, 49, 48, 36  
 7, 7, 5, 7, 9
- 2 a 50, 20, 90, 30, 80, 60, 70, 40  
 b 25, 10, 45, 15, 40, 30, 35, 20  
 c 45, 18, 81, 27, 72, 54, 63, 36
- 3 (challenge) 120, 60, 108, 180, 90, 162

### Page 54, Classroom Groups

- 1 Each student got 3 erasers, and there were 2 erasers left over.
- 2 a 27 students  
 b (challenge) 9 groups of 3



## Use after Unit Three, Session 20 (cont.)

### Page 55, Fractions of an Hour

Note: Other shadings are possible.

1	$\frac{1}{3}$		20 minutes
2	$\frac{3}{4}$		45 minutes
3	$\frac{2}{3}$		40 minutes
4	$\frac{1}{6}$		10 minutes

### Page 56, More Time & Distance Problems

- $\frac{1}{4}$  of an hour; 15 minutes
- (challenge) 9 feet

### Page 57, Fractions & Division Tables

- $\frac{3}{4} < \frac{5}{6}$
  - $\frac{2}{3} = \frac{4}{6}$
  - $\frac{5}{3} > \frac{5}{4}$
  - $\frac{2}{3} < \frac{3}{2}$
  - $\frac{1}{3} < \frac{3}{6}$
- 9, 2, 8, 3, 5, 6, 4
  - 6, 7, 5, 2, 9, 4, 8
  - 5, 4, 9, 6, 7, 3, 8

### Page 58, Sharing Problems

- \$9.50
- 8 shells each, with 2 shells left over
- (challenge) 120 blocks

### Page 59, Division Tables & Equivalent Fractions

- 8, 3, 4, 9, 7, 6, 5
  - 6, 9, 7, 8, 4, 5, 3
  - 9, 6, 5, 8, 7, 4, 3
- $\frac{1}{4}, \frac{3}{12}$
  - $\frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \frac{6}{12}$
  - $\frac{3}{4}, \frac{9}{12}$
  - $\frac{5}{6}, \frac{10}{12}$
  - $\frac{1}{3}, \frac{2}{6}, \frac{4}{12}$

### Page 60, Packages & Pizza

- 3 packages of muffins
- 10 packages of tennis balls (2 balls left)
- (challenge)  $2\frac{1}{4}$  pizzas

## Use after Unit Four, Session 10

### Page 61, Multiplying by 10, 100 & 1,000

- 50, 70, 400, 900  
7,000; 6,000; 90; 5,000; 300
- 80; 40; 700; 500  
3,000; 5,000; 1,000; 6  
5, 8, 100, 10  
(challenge) 1,000,000; 10; 100

### Page 62, Money & Minutes

- Brianna earns \$1,000 per month at her job. She used to make \$800 per month. If she works only for the months of June, July, and August, how much money will she make?
  - Responses will vary. Example: *How much money will Brianna make in 3 months?*
  - b & c** See above.
  - \$3,000
- Jonah is 18 years old. It takes him 50 minutes to ride his bike to work and 50 minutes to ride his bike home every day. If he worked 6 days last week, how many minutes did he spend riding his bike to and from work?
  - Responses will vary. Example: *How many minutes did Jonah spend riding his bike?*
  - b & c** See above.
  - 600 minutes
  - (challenge) 10 hours

### Page 63, Writing Improper Fractions as Mixed Numbers

- 35; 350; 350, 3,500  
12; 120; 120; 1,200  
56; 560; 560, 5,600
- 1,  $1\frac{1}{3}$ ,  $1\frac{2}{3}$   
1, 1,  $1\frac{6}{12}$  ( $1\frac{1}{2}$  also acceptable)  
1, 2,  $1\frac{2}{6}$ , ( $1\frac{1}{3}$  acceptable),  $1\frac{3}{6}$  ( $1\frac{1}{2}$  acceptable)  
(challenge)  $1\frac{1}{4}$ , 2,  $3\frac{3}{4}$ , 9