

Multiply the **ones**.

$$\begin{array}{r} \phantom{2}2\phantom{4}3 \\ \times \phantom{2}7 \\ \hline \phantom{2}21 \end{array}$$

Multiply the **tens**.

$$\begin{array}{r} \phantom{3}2\phantom{4}3 \\ \times \phantom{2}7 \\ \hline \phantom{3}01 \end{array}$$

Multiply the **hundreds**.

$$\begin{array}{r} \phantom{3}2\phantom{4}3 \\ \times \phantom{2}7 \\ \hline 1,701 \end{array}$$

Multiply to find each product, then cross out the matching answer below.

a

$$\begin{array}{r} 35 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \times 7 \\ \hline \end{array}$$

b

$$\begin{array}{r} 152 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 194 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 753 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 729 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 248 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 3 \\ \hline \end{array}$$

c

$$\begin{array}{r} 566 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 393 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 689 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 207 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 961 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ \times 3 \\ \hline \end{array}$$

d

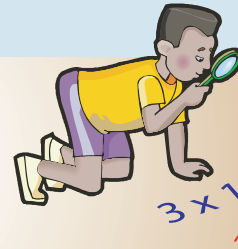


Tim drove his car at 55 miles per hour. How many miles did he travel in 3 hours? Write a number sentence that shows your solution.

---

360	165	4,518	4,823	1,984	201	210
1,572	8,649	140	1,035	388	1,800	
420	1,132	2,916	588	900	760	

Multiply to find the **product**, then draw a line segment to the matching answer.



a  $4 \times 30 = \underline{\hspace{2cm}}$

810

b  $5 \times 60 = \underline{\hspace{2cm}}$

180

c  $9 \times 90 = \underline{\hspace{2cm}}$

120

d  $3 \times 20 = \underline{\hspace{2cm}}$

350

e  $7 \times 200 = \underline{\hspace{2cm}}$

300

f  $5 \times 80 = \underline{\hspace{2cm}}$

2,800

g  $7 \times 50 = \underline{\hspace{2cm}}$

60

h  $6 \times 900 = \underline{\hspace{2cm}}$

150

i  $2 \times 100 = \underline{\hspace{2cm}}$

400

j  $7 \times 400 = \underline{\hspace{2cm}}$

80

k  $9 \times 20 = \underline{\hspace{2cm}}$

200

l  $4 \times 500 = \underline{\hspace{2cm}}$

5,400

m  $8 \times 10 = \underline{\hspace{2cm}}$

2,000

n  $9 \times 300 = \underline{\hspace{2cm}}$

1,400

o  $3 \times 50 = \underline{\hspace{2cm}}$

2,700

Practice multiplication to find the **product**, then use the matching letter to solve the riddle below.



y

$$\begin{array}{r} 524 \\ \times 7 \\ \hline \end{array}$$

t

$$\begin{array}{r} 324 \\ \times 8 \\ \hline \end{array}$$

d

$$\begin{array}{r} 129 \\ \times 4 \\ \hline \end{array}$$

r

$$\begin{array}{r} 308 \\ \times 6 \\ \hline \end{array}$$

i

$$\begin{array}{r} 967 \\ \times 5 \\ \hline \end{array}$$

k

$$\begin{array}{r} 473 \\ \times 3 \\ \hline \end{array}$$

t

$$\begin{array}{r} 657 \\ \times 9 \\ \hline \end{array}$$

a

$$\begin{array}{r} 829 \\ \times 6 \\ \hline \end{array}$$

e

$$\begin{array}{r} 729 \\ \times 2 \\ \hline \end{array}$$

w

$$\begin{array}{r} 938 \\ \times 6 \\ \hline \end{array}$$

c

$$\begin{array}{r} 493 \\ \times 9 \\ \hline \end{array}$$

h

$$\begin{array}{r} 237 \\ \times 8 \\ \hline \end{array}$$



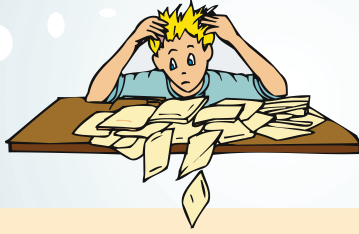
How do you keep a rhinoceros from charging?

5,913 4,974 1,419 1,458 4,974 5,628 4,974 3,668 5,913 1,896 1,458

4,437 1,848 1,458 516 4,835 5,913 4,437 4,974 1,848 516

Teaching note: If your student struggles with this exercise, please refer to page 25.

$$3 \overline{)84}$$



## Learning Division

1. Try to divide into the first number on the left (8).

$$3 \overline{)84}$$

2. If the number is divisible by 3 then write how many 3s are in the number (2) on top.

$$\begin{array}{r} 2 \\ 3 \overline{)84} \\ -6 \\ \hline 24 \end{array}$$

3. Write the product of the number of threes (6) below the number and subtract.

$$\begin{array}{r} 2 \\ 3 \overline{)84} \\ -6 \\ \hline 24 \end{array}$$

4. Bring down the next number and then figure out how many 3s are in that number (8).

$$\begin{array}{r} 2 \\ 3 \overline{)84} \\ -6 \\ \hline 24 \end{array}$$

5. Write the number of 3s in the number (8) on top.

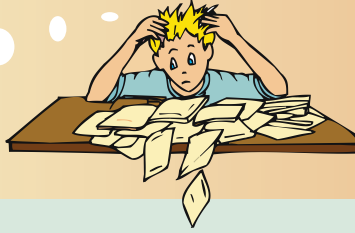
$$\begin{array}{r} 28 \\ 3 \overline{)84} \\ -6 \\ \hline 24 \end{array}$$

6. Finally, write the product of the number of 3s in that number below the number and subtract. If the answer is less than 3, you are done, otherwise, repeat from step 4.

$$\begin{array}{r} 28 \\ 3 \overline{)84} \\ -6 \\ \hline 24 \\ -24 \\ \hline 0 \end{array}$$



$$6 \overline{)138}$$



## Learning Division

1. Try to divide the divisor 6 into the first number on the left.
2. Since there are no 6s in 1, try to divide 6 into the first two numbers on the left, 13.
3. Write the number of 6s in 13 above the thirteen and the product of the 6s in thirteen below the 13 and subtract.
4. Bring down the next number 8. How many 6s are in the new number 18?
5. Write the number of 6s in 18 on top.
6. Finally, write the product of the number of 6s in 18 below the 18 and subtract. If the answer is less than 6, you are done, otherwise, repeat from step 4.

$$6 \overline{)138}$$

$$6 \overline{)138}$$

$$\begin{array}{r} 2 \\ 6 \overline{)138} \\ \underline{-12} \end{array}$$

$$\begin{array}{r} 2 \\ 6 \overline{)138} \\ \underline{-12} \\ 18 \end{array}$$

$$\begin{array}{r} 23 \\ 6 \overline{)138} \\ \underline{-12} \\ 18 \\ \underline{-18} \end{array}$$



Find the **quotient**, then write the smallest and largest below.

$115 \div 5 =$

Check:

$$\begin{array}{r} 23 \\ \times 5 \\ \hline 115 \end{array}$$

	hundreds tens ones		hundreds tens ones
	2		23
5	115	5	115
	-10		-10
	1		15
			-15

1

$$6 \overline{)126}$$

2

$$4 \overline{)252}$$

3

$$3 \overline{)171}$$

4

$$5 \overline{)325}$$

5

$$2 \overline{)176}$$

6

$$9 \overline{)513}$$

7

$$4 \overline{)296}$$

8

$$5 \overline{)2,135}$$

9

$$2 \overline{)1,574}$$

10

$$6 \overline{)1,452}$$

11

$$8 \overline{)3,384}$$

12

$$3 \overline{)1,215}$$



smallest quotient

= \_\_\_\_\_



largest quotient

= \_\_\_\_\_



quotient  
 divisor ) dividend

Find the quotient.

$3 \overline{)72}$

$5 \overline{)85}$

$4 \overline{)56}$

$6 \overline{)78}$

$9 \overline{)90}$

$4 \overline{)128}$

$8 \overline{)264}$

$7 \overline{)455}$

$5 \overline{)375}$

$9 \overline{)306}$

$6 \overline{)1,374}$

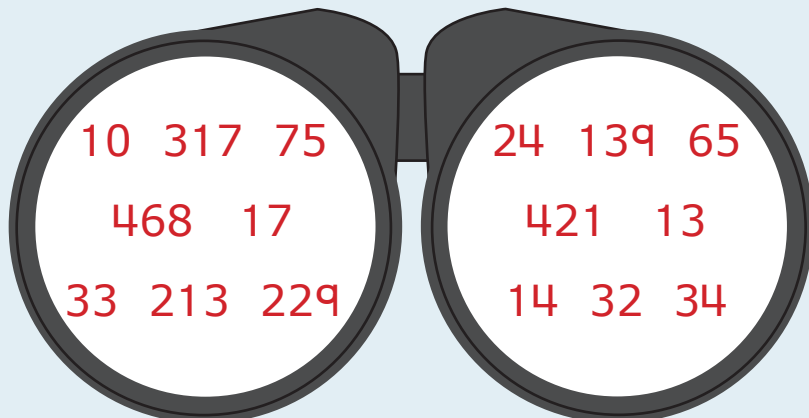
$8 \overline{)3,368}$

$4 \overline{)1,268}$

$9 \overline{)1,917}$

$7 \overline{)3,276}$

Circle the quotient that is not found above.



Teaching note: If your student struggles with this exercise, please refer to pages 82 and 83.



# Multiplication

To multiply a number by a 2-digit number:

1

$$\begin{array}{r} \overset{3}{5}8 \\ \times \underline{24} \\ 2 \end{array}$$

2

$$\begin{array}{r} \overset{3}{5}8 \\ \times \underline{24} \\ 232 \end{array}$$

3

$$\begin{array}{r} 58 \\ \times \underline{24} \\ 232 \\ 0 \end{array}$$

4

$$\begin{array}{r} \overset{1}{5}8 \\ \times \underline{24} \\ 232 \\ \underline{60} \end{array}$$

Add a zero since you are multiplying by 10.

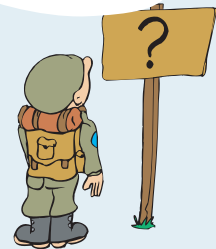
5

$$\begin{array}{r} \overset{1}{5}8 \\ \times \underline{24} \\ 232 \\ \underline{1,160} \end{array}$$

6

$$\begin{array}{r} 58 \\ \times \underline{24} \\ 232 \\ \underline{+1,160} \\ 1,392 \end{array}$$

Add to find the answer.



Use all 6 steps to find each product.

$$\begin{array}{r} 32 \\ \times \underline{12} \\ + \underline{\quad\quad} \end{array}$$

$$\begin{array}{r} 44 \\ \times \underline{22} \end{array}$$



	H	T	O	
	4	6		
x	2	3		
	1	3	8	← 3 x 46
	9	2	0	← 20 x 46
	1	0	5	8



Multiply, then strike out the drum below with the matching answer.

1

$$\begin{array}{r} 21 \\ \times 43 \\ \hline \end{array}$$

2

$$\begin{array}{r} 56 \\ \times 32 \\ \hline \end{array}$$

3

$$\begin{array}{r} 71 \\ \times 50 \\ \hline \end{array}$$

4

$$\begin{array}{r} 86 \\ \times 17 \\ \hline \end{array}$$

5

$$\begin{array}{r} 42 \\ \times 91 \\ \hline \end{array}$$

6

$$\begin{array}{r} 61 \\ \times 41 \\ \hline \end{array}$$

7

$$\begin{array}{r} 63 \\ \times 94 \\ \hline \end{array}$$

8

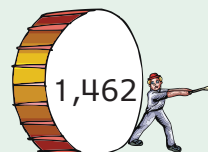
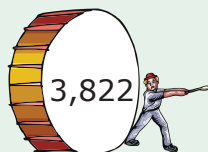
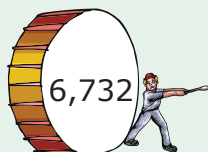
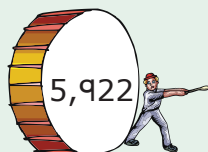
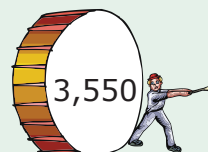
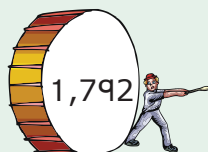
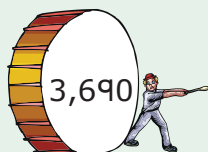
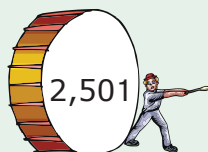
$$\begin{array}{r} 82 \\ \times 45 \\ \hline \end{array}$$

9

$$\begin{array}{r} 10 \\ \times 72 \\ \hline \end{array}$$

10

$$\begin{array}{r} 99 \\ \times 68 \\ \hline \end{array}$$



# Science is Interesting!

Multiply then fill in the blank.

1. The average temperature of a dog is \_\_\_\_\_ °F.

$$\begin{array}{r} 34 \\ \times 3 \\ \hline \end{array}$$



2. A tornado's wind can reach up to \_\_\_\_\_ miles per hour.

$$\begin{array}{r} 25 \\ \times 12 \\ \hline \end{array}$$



3. There are \_\_\_\_\_ bones in a human body.

$$\begin{array}{r} 103 \\ \times 2 \\ \hline \end{array}$$



4. The average person blinks about \_\_\_\_\_ times a day.

$$\begin{array}{r} 288 \\ \times 60 \\ \hline \end{array}$$

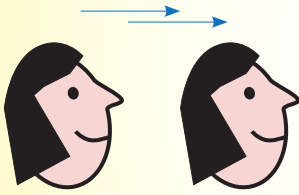


5. In one day, the heart beats about \_\_\_\_\_ times.

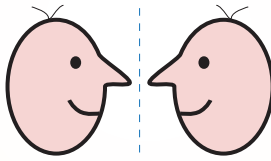
$$\begin{array}{r} 6,250 \\ \times 16 \\ \hline \end{array}$$



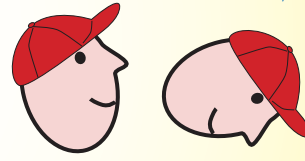
Translation



Reflection



Rotation



Write translation, reflection, or rotation to describe each motion of the figure.

1. \_\_\_\_\_



2. \_\_\_\_\_



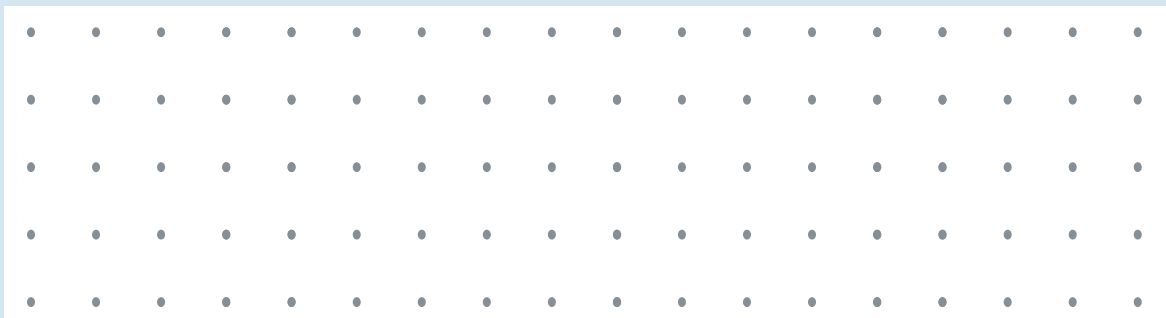
3. \_\_\_\_\_



4. \_\_\_\_\_



5. Draw a translation, reflection, and rotation of the letter **E**.



translation

reflection

rotation

Find the missing numbers.



a  $82 \times 6 = \square$

b  $5 \overline{)205}$

c  $64 \times \square = 448$

d  $\square \overline{)300} \begin{array}{r} 60 \\ \end{array}$

e  $26 \times \square = 208$

f  $9 \overline{)378}$

g  $19 \times 3 = \square$

h  $7 \overline{) \square} \begin{array}{r} 12 \\ \end{array}$

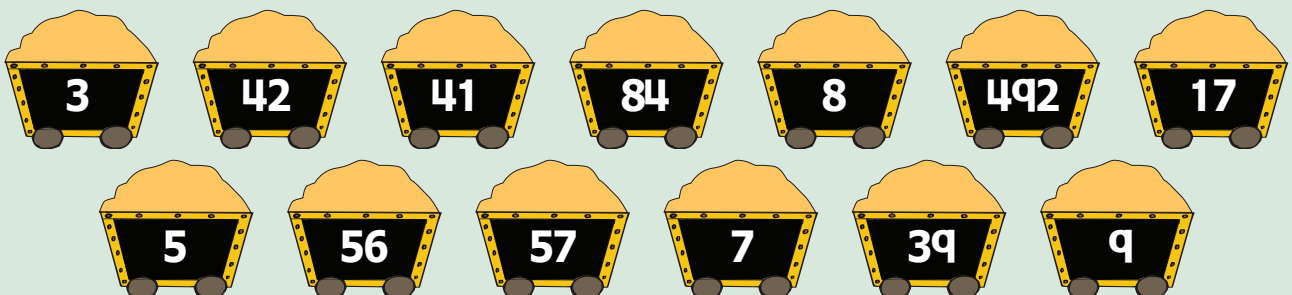
i  $84 \times \square = 252$

j  $\square \overline{)144} \begin{array}{r} 16 \\ \end{array}$

k  $\square \times 8 = 448$

l  $4 \overline{)156}$

Which number below was not an answer above?





Practice division to find the **quotient**, then use the matching letter to solve the riddle below.

w

$$3 \overline{)84}$$

e

$$4 \overline{)304}$$

h

$$5 \overline{)445}$$

t

$$6 \overline{)204}$$

y

$$2 \overline{)722}$$

a

$$8 \overline{)1,944}$$

r

$$9 \overline{)1,134}$$

k

$$7 \overline{)2,583}$$



How do you make a witch itch?

34

243

369

76

243

28

243

361

89

76

126

28



- a. \$1.25
- b. \$ .85
- c. \$ .76
- d. \$1.45
- e. \$ .51

Add the group of coins for each problem. Then write the letter of the matching amount from the box on the right. Remember to line up the decimal points.

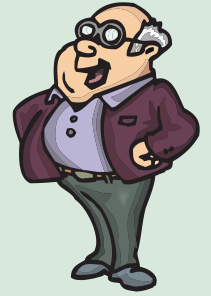
  b   1. 
$$\begin{array}{r} \$ .25 \\ .25 \\ .25 \\ \underline{.10} \\ \$ .85 \end{array}$$

       2.

       3.

       4.

# Grandfather's Age (cont.)



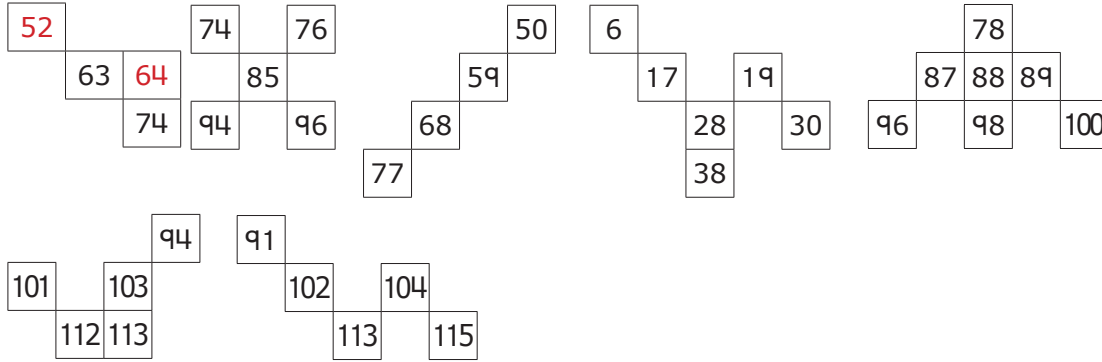
Use the information on the previous page to answer each question.

- How many different chapter tests did Ms. Wadley give?  
 a 1       b 4       c 8       d 16
- What was the difference between the highest and lowest score recorded?  
 a 29       b 11       c 31       d 28
- Ms. Wadley records an "A" grade for chapter tests with scores from 90 to 100. How many "A" grades did she record?  
 a 2       b 3       c 4       d 5
- Dan told Ms. Wadley that if one of the chapter tests was not counted, he would have the highest total for the class. Which chapter test was he talking about?  
 a Chapter 1     b Chapter 2     c Chapter 3     d Chapter 4
- How did Ms. Wadley feel about the progress of her students in summer school?  
 a sad       b glad       c thrilled       d excited
- How old was Dan's grandfather?  
 a 62       b 72       c 61       d 71
- Which might be Rose's grandfather's age?  
 a 73       b 74       c 75       d 76

# Answers

- Page 1 2. 5; 3. 1; 4. 0; 5. 6;  
6. thousands, hundreds, tens, hundred-thousands
- Page 2 a. four hundred sixty-nine; b. twelve thousand, six hundred nine;  
c. six thousand, five hundred seventeen;  
d. fifty-four thousand, two hundred eighty-three
- Page 3 yes; **yes**; yes; no; yes; **no**; no; yes; no; More than one correct answer,  
sample answer: 4,020; four thousand, twenty;  $4,000 + 20$

Page 4



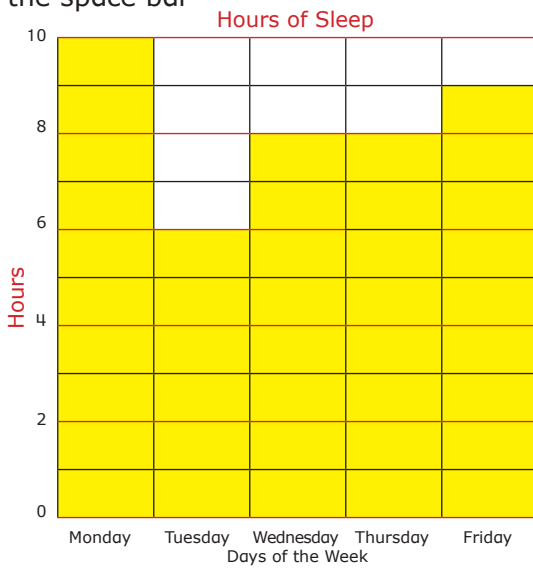
Page 5

2. <; 3. >; 4. >; 5. =; 6. <; 7. <; 8. >; 9. >; 10. <;  
11. 168-708-989-999-1,899-9,899-9,900-10,000;  
12.  $47,213 - 4,060 = 43,153$  square miles

Page 6

the space bar

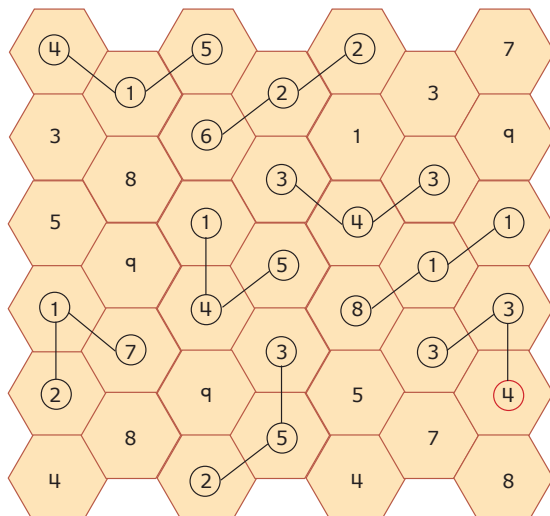
Page 7



Page 8

898, 871, 733, 935; 498, 304, 610, 543; 401, 829, 734, 592

Page 9





Page 73

28	16	21	24	60	90
32	47	15	8	25	33
50	76	13	44	31	111
7	142	29	36	51	81
19	163	101	53	215	21
35	52	57	68	74	18
91	79	39	12	27	9
133	95	56	64	29	17
100	55	38	22	11	130

The shaded numbers form the number 3.  
(If the sum of the digits divides by 3 evenly, then the number divides by 3 evenly.)

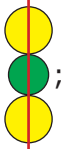


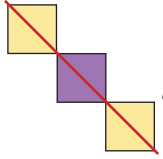
Pages 74-75

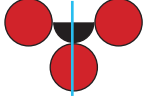
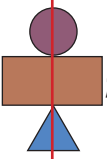
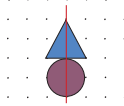
1. 3; 2. 5; 3. 5; 4. 8; 5. 9; 6. 9;  
7. 8; 8. 9; 9. 8; 10. 5; 11. \$9; 12. 7 cars

Page 76

1. reflection; 2. rotation; 3. translation; 4. rotation;  
5. More than one correct answer, sample answer:  $\overrightarrow{d}$ ,  $d$ ,  $b$ ,  $d$ ,  $\overleftarrow{d}$ .

Page 77

1. ; 2. ; 3. ; 4. ;

5. ; 6. ; 7. More than one correct answer, sample answer: 

Page 78

1. 2; 2. girl; 3. no;  
4. More than one correct answer, sample answers: foul ball; home run

Page 79

1. size 78; 2. 27 games; 3. \$17; 4. \$342

Page 80

- a. 323; b. 291; c. 6,145; d. 4,375; e. 13,613; f. 2,313;  
g. 6,086; h. 4,909; i. 327; j. 3,001; k. 2,712; l. 1,745; 851

Page 81

- y. 3,668; t. 2,592; d. 516; r. 1,848; i. 4,835; k. 1,419;  
t. 5,913; a. 4,974; e. 1,458; w. 5,628; c. 4,437; h. 1,896;  
take away the credit card

Pages 82-83

2. 2, 12; 3. 1, 8; 5. 3; 6. 0

Page 84

1. 21; 2. 63; 3. 57; 4. 65; 5. 88; 6. 57;  
7. 74; 8. 427; 9. 787; 10. 242; 11. 423; 12. 405; 21; 787

Page 85

1. \$2.69; 2. \$2.98; 3. \$2.25; 4. \$4.96  
5. \$3.73; 6. \$1.94; 7. \$1.79; 8. \$5.40

Page 163

Sample answers follow.

1. orange, 2 carrots; ( $$.15 + $.07 + $.07$ );
2. pear, orange, strawberry; ( $$.21 + $.15 + $.08$ );
3. carrot, banana, apple, pear; ( $$.07 + $.09 + $.13 + $.21$ );
4. carrot, 3 pears; ( $$.07 + $.21 + $.21 + $.21$ );
5. apple, strawberry, 3 bananas; ( $$.13 + $.08 + $.09 + $.09 + $.09$ )

Page 164

1. inches; 2. inches; 3. yards; 4. miles; 5. ounces;
6. pounds; 7. pounds; 8. cups; 9. gallons 10. quarts

Page 165

1. centimeters; 2. meters; 3. meters; 4. kilometers; 5. grams;
6. kilograms; 7. grams; 8. milliliters; 9. liters; 10. liters

Pages 166-167

1	2	3	4	5	6	7	8	9						
8	1		6	5	4	1	7	6	8					
10	4	0		8	0	5	0	1	9	2				
13	3	6	8	4		0	1	4		0				
	5		15	16	4	1	2	7		17	3			
18	9		19	4		20	7	4	5		21	2	6	8
23	1	6	5		5			24	9	9	9	9		

Page 168

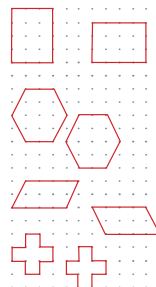
384; 968

Page 169

1. 903; 2. 1,792; 3. 3,550; 4. 1,462; 5. 3,822;
6. 2,501; 7. 5,922; 8. 3,690; 9. 720; 10. 6,732

Page 170

More than one correct answer, sample answer:



Page 171

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Page 172

- a. 8,417; b. 90,813; c. 410,286; d. 5,028,127;
- e. 1,028; f. 1,730,002; g. 6,006,006; h. 2,159,216;
- i. ten thousand, ten; j. fifteen thousand, eight hundred twelve

Page 173

- a. 90; b. 50; c. 10; d. 50;
- e. 400; f. 400; g. 100; h. 700;
- i. 2,000; j. 9,000; k. 8,000; l. 5,000;
- m. 20,000; n. 40,000; o. 30,000; p. 90,000

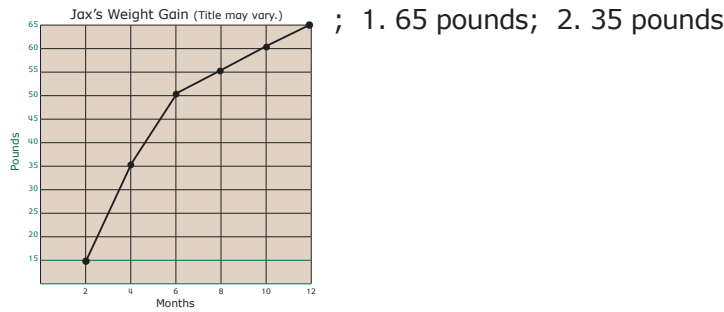
Page 174

- a. 100; b. 180; c. 120; d. 70; e. 50;
- f. 70; g. 500; h. 1,000; i. 1,000

Page 175

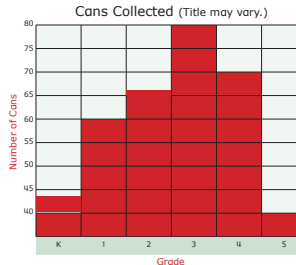
- a. 30; b. 10; c. 60; d. 10; e. 70;
- f. 20; g. 200; h. 100; i. 100; j. f

Page 176



Page 177

1. 3rd; 2. 5th; 3. 2nd;



Page 178

Estimates will vary.

1. 1 inch; 2. 3 1/8 inches; 3. 2 inches; 4. 3 1/4 inches;  
 5. 4 1/2 inches; 6. 2 5/8 inches; 7. 4 5/8 inches; 8. 1 1/2 inches

Page 179

Estimates will vary.

1. 2.5 cm; 2. 7.8 cm; 3. 5 cm; 4. 8 cm;  
 5. 11.3 cm; 6. 6.6 cm; 7. 11.6 cm; 8. 3.7 cm

Page 180

1.  $244 - 155 = 89$  miles; 2.  $128 + 147 + 89 = 364$  boxes;  
 3.  $\$11.37 + \$8.45 = \$19.82$ ; 4.  $13,761 - 12,403 = 1,358$  miles

Page 181

1.  $96 \div 8 = \$12$  2.  $6 \times 9 = 54$  cans; 3.  $12 \times 15 = 180$  donuts;  
 4.  $344 \div 8 = 43$  students; 5.  $\$8 + \$4 = \$12$  or  $2n + n = 12$

Page 182

1. 100 pennies, 20 nickels, 10 dimes, 4 quarters;  
 2. 6, 3, 10, 5, 5, 2, 10, 4, 20, 4, 30, 15, 16, 40

Page 183

change	\$1	25¢	10¢	5¢	1¢
\$3.12	3		1		2
\$2.30	2	1		1	
\$1.50	1	2			
\$4.36	4	1	1		1
\$3.63	3	2	1		3
\$1.86	1	3	1		1
\$2.91	2	3	1	1	1
\$1.47	1	1	2		2
\$4.74	4	2	2		4
\$1.89	1	3	1		4
\$ .99		3	2		4
\$2.49	2	1	2		4

Page 184

1. 4,634; 2. 3,972; 3. 11,110; 4. 6,372; 5. 8,232;  
 6. 43,152; 7. 8,764; 8. 23,328; 9. 21,664; 10. 21,684;  
 11. 27,000; 12. 18,536; 13. 12,110; 14. 44,298; 15. 15,033;  
 16. 79,992; 5,819

Page 185

1.  $102^\circ$ ; 2. 300 miles per hour; 3. 206 bones; 4. 17,280 times a day;  
 5. 100,000 times

Page 186

1. rotation; 2. reflection; 3. rotation; 4. translation;  
 5. More than one correct answer, sample answer: **E E** ; **E E** ; **E m**

Page 187

- a. 492; b. 41; c. 7; d. 5; e. 8; f. 42;  
 g. 57; h. 84; i. 3; j. 9; k. 56; l. 39; 17

Page 188

w. 28; e. 76; h. 89; t. 34; y. 361 a. 243  
r. 126; k. 369; take away her w

Page 189

2. c; 3. a; 4. d

Page 190

1. 38r1; 2. 42r3; 3. 63r1; 4. 25r5; 5. 67r3; 6. 43r2;  
7. 49r1; 8. 562r1; 9. 119r1; 10. 252r4; 11. 821r2; 12. 301r3; 25r5; 821r2

Page 191

1. e; 2. a; 3. b; 4. c; 5. d

Page 192

1. a; 2. e; 3. c; 4. d; 5. b

Page 193

3:53; 7:06; 12:45; 12:00; 10:10; 6:13; 4:55; 8:50; 5:10;  
a. 1, 1; b. 2, 2; c. 1, 2; d. 72, 168; e. 30, 12

Page 194

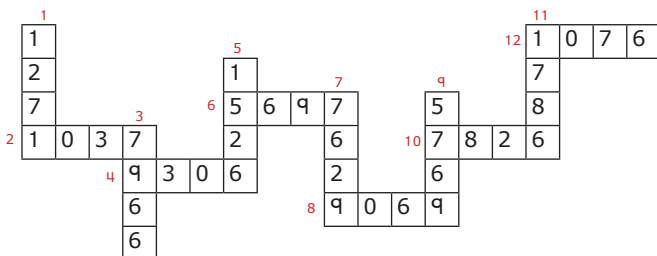
a. July 22; b. August 22; c. November 28; d. November 28;  
e. 1, 24; f. 28, 4; g. 10, 730; h. 1, 56

Page 195

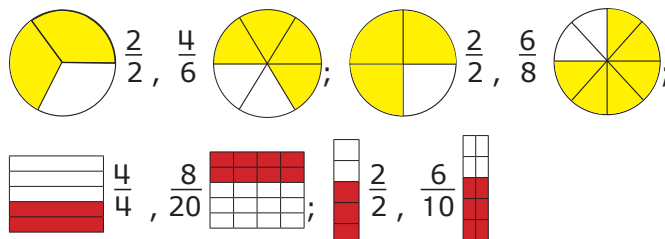
b. \$1.54; c. \$20.12; d. \$24.91; e. \$27.10; f. \$21.07;  
g. \$10.64; h. \$1.50; i. \$29.14; j. \$9.81; k. \$12.50

Page 196

1. \$12.71; 2. \$10.37; 3. \$79.66; 4. \$93.06; 5. \$15.26; 6. \$56.97;  
7. \$76.29; 8. \$90.69; 9. \$57.69; 10. \$78.26; 11. \$10.76; 12. \$17.86



Page 197



Page 198

1.  $\frac{15}{4} = 3\frac{3}{4}$ ; 2.  $\frac{11}{6} = 1\frac{5}{6}$ ; 3.  $\frac{14}{3} = 4\frac{2}{3}$ ; 4.  $\frac{11}{2} = 5\frac{1}{2}$

Page 199

1.  $1\frac{3}{4}$ ; 2.  $1\frac{1}{6}$ ; 3.  $1\frac{3}{5}$ ; 4.  $2\frac{1}{2}$ ; 5.  $1\frac{7}{8}$ ; 6.  $2\frac{1}{5}$ ; 7.  $4\frac{2}{3}$ ; 8.  $2\frac{2}{7}$ ; 9.  $1\frac{1}{4}$ ; 10.  $2\frac{1}{6}$

Page 200

$\frac{3}{4}$

Page 201

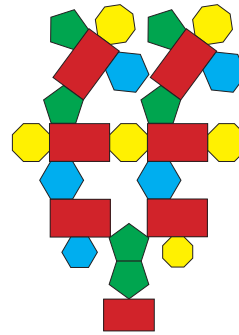
$\frac{3}{4}$ ;  $\frac{1}{2}$ ;  $\frac{1}{3}$ ;  $\frac{1}{4}$ ;  $\frac{2}{3}$ ;  $\frac{1}{5}$ ;  $\frac{7}{8}$ ;  $\frac{5}{6}$ ;  $\frac{2}{5}$ ;  $\frac{1}{8}$ ;  $\frac{1}{6}$ ;  $\frac{3}{8}$ ;  $\frac{4}{5}$ ;  $\frac{2}{9}$ ;  $\frac{1}{9}$ ;

$\frac{1}{5}$	$\frac{3}{5}$	$\frac{1}{2}$	$\frac{2}{11}$	$\frac{1}{4}$
$\frac{1}{6}$	$\frac{6}{8}$	$\frac{4}{5}$	$\frac{5}{9}$	$\frac{3}{10}$
$\frac{3}{4}$	$\frac{2}{9}$	$\frac{2}{5}$	$\frac{1}{10}$	$\frac{2}{3}$
$\frac{1}{8}$	$\frac{2}{7}$	$\frac{1}{9}$	$\frac{4}{8}$	$\frac{5}{6}$
$\frac{7}{8}$	$\frac{4}{6}$	$\frac{1}{3}$	$\frac{4}{7}$	$\frac{3}{8}$

Page 202

by hareplane

Page 218 Rectangle 7; Pentagon 6; Hexagon 5; Octagon 6; 3;



Page 219 1. 30 sq ft, 26 ft; 2. 30 sq ft, 22 ft; 3. 30 sq ft, 26 ft; 4. 30 sq ft, 26 ft; For this problem, the area stays the same but the perimeter changes.

Page 220 Answers will vary.

Page 221 1A. 945; 1B. 1,596; 1C. 5,762; 1D. 6,370;  
2A. 936; 2B. 1,173; 2C. 945; 2D. 5,762;  
3A. 6,370; 3B. 1,596; 3C. 936; 3D. 1,173

1A, 2C, 945; 1D, 3A, 6,370;  
1B, 3B, 1,596; 2A, 3C, 936;  
1C, 2D, 5,762; 2B, 3D, 1,173

Pages 222-223 a. 29 b. 2 c. 36 d. 13  
e. 42 f. 0 g. 34 h. 9  
i. 20 j. 8 k. 4 l. 2  
m. 63 n. 5 o. 27 p. 7  
q. 35 r. 21 s. 134°

Page 224 1. n; 2. g; 3. d; 4. m; 5. w; 6. h; 7. f; 8. i; 9. a; 10. o; 11. v;  
12. p; 13. t; 14. u; 15. k; 16. c; 17. j; 18. b; 19. e; 20. l; 21. q



Page 225 1. **Unknown** Tim told his mom “he could do the work in less than 2 hours” so for example, he could complete the work in 30 minutes.  
2. **False** Tim told his mom that “he could do the work in less than 2 hours” so if the entire job takes him 1 hour, he only needs 35 more minutes to finish the work.  
3. **True** The most time the job could take is 1:59 minutes (less than 2 hours). Half of that time would be just under 60 minutes. Tim needs less than 65 minutes to finish the job. If his mom delays dinner 6 minutes, Tim has 66 minutes to finish.

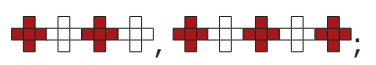
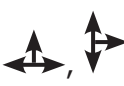

Page 226 b. 18; d. 15; i. 23; a. 55; r. 68; s. 12; h. 65; m. 29;  
e. 32; t. 46; l. 57; o. 45; at a retail store

Page 227 a. 7; b. 17; c. 8; d. 36; e. 9; f. 20; g. 5; h. 14; i. 6; j. 24; k. 12; l. 16;  
m. 10; n. 4; o. 3; p. 1; q. 11; r. 50; s. 15; t. 18; the times table

Page 228 16: 1, 2, 4, 8, 16; 20: 1, 2, 4, 5, 10, 20;  
15: 1, 3, 5, 15; 11: 1, 11;  
21: 1, 3, 7, 21; 24: 1, 2, 3, 4, 6, 8, 12, 24;  
36: 1, 2, 3, 4, 6, 9, 12, 18, 36

Page 229 2; 3; 5; 7; 11; 13; 17; 19; 23; 29; 31 37; 41; 43; 47

Page 230 1. 162, 486; 2. 26, 11; 3. 16, 8; 4. ; 5. 

6. ; 7. ; 8. 

Page 231 1.  $2 + 5 + 9 = 16$  pencils; 2.  $4 \times 16 = 64$  hours;  
3.  $4 + 5 + 6 = 15$  walnuts; 4.  $12 \div 2 = 6$  days;  
5.  $\$18 \times 52 = \$936$

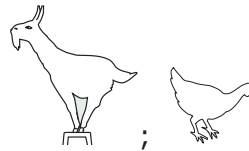
Page 232 b. .25; c. .75; d.  $\frac{10}{100}$  or .1; e.  $\frac{5}{100}$  or .05; f. .01

Page 324 4 times; small boat = 5 sq. centimeters; large boat = 20 sq. centimeters

Page 325

Number of Goats	Total Number of Legs	Number of Chickens	Total Number of Legs
1	4	1	2
2	8	2	4
3	12	3	6
4	16	4	8
5	20	5	10
6	24	6	12
7	28	7	14
8	32	8	16

; 5 goats and 6 chickens;  
More than one correct answer, sample answers:



Page 326 1st Grade \$.72; 2nd Grade \$.54; 3rd Grade \$.48;  
4th Grade \$ 2.16; 5th Grade \$.36

Page 327 2. k; 3. a; 4. g; 5. c; 6. l; 7. h; 8. d; 9. j; 10. e; 11. i; 12. b

Page 328 2. j; 3. c; 4. i; 5. h; 6. a; 7. l; 8. d; 9. b; 10. k; 11. e; 12. g

Page 329 1. c; 2. a

Page 330 2. g; 3. l; 4. e; 5. k; 6. f; 7. h; 8. a; 9. i; 10. b; 11. j; 12. d

Page 331 1. b; 2. a

Page 332 2. f; 3. b; 4. l; 5. a; 6. h; 7. d; 8. j; 9. e; 10. i; 11. c; 12. g

Page 333

1. ; 2. ; 3. ; 4. More than one correct answer, sample answers

Page 334 1. perpendicular; 2. difference; 3. 5X2; 4. 100; 5. acute angle;  
6. 5/6; 7. 212°F; 8. 1 cm; 9. 1 year; 10. \$1.00

Page 335 2. \$5.13, ; 3. \$8.35, ; 4. \$5.50,

Page 336 r. 29; l. 32; k. 44; t. 24; p. 17; e. 79; s. 69; o. 74; v. 51; b. 16; n. 73;  
i. 46; d. 50; w. 89; g. 62; knowledge is power

Page 337 n. 1,119; a. 1,764; p. 2,241; d. 1,863; t. 189; w. 659; i. 564; e. 913;  
b. 1,512; k. 2,006; u. 2,322; r. 855; h. 25; s. 49; c. 23; v. 36;  
he had chicken pucks

Page 338 Answers will vary, sample answer: 4, 6;  $4 \times 6 = 24$

Page 339 Answers will vary, sample answer:  $.25 + .50 + .10 + 1.50 + 6.00 = 8.35$  Win

Page 340 1. 10 squares; 2. 50 squares; 3. 20 squares;  
4. 5 squares; 5. 14 squares; 6. 1 square; 7. 100

Page 341 Paths may vary. Here is one example: 3, 17, 29, 41, 37, 11, 19, 47, 29, 5, 13,  
47, 23, 59, 41

Page 342 1. \$7.50; 2. \$5.75; 3. \$10; 4. \$9.97; 5. 2 shirts, 1 cap, and 1 book

Page 343 1.  $21 \div 3 = 7$ ; 2.  $18 \div 3 = 6$ ;  
3.  $28 \div 4 = 7$ ; 4.  $\$27 \div 3 = \$9$