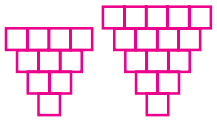
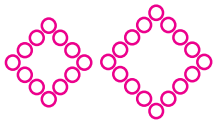
Name _____ Class _____ Date _____

Chapter 2 Answers

Practice 2-1

1. 

2. 

3. 11, 13, 15 **4.** 22, 19, 16 **5.** 162, 486, 1,458
6. 44, 52, 60 **7.** 50, 49, 48 **8.** 17, 22, 28
9. 16, 19, 22; start with the number 4 and add 3 repeatedly.
10. 32, 64, 128; start with the number 2 and multiply by 2 repeatedly.
11. 59, 69, 79; start with the number 19 and add 10 repeatedly.
12. 20, 23, 26; start with the number 8 and add 3 repeatedly.
13. 95, 85, 75; start with the number 135 and subtract 10 repeatedly.
14. 80, 160, 320; start with the number 5 and multiply by 2 repeatedly.
15. Check students' answers.
16. 189 **17.** 21 **18.** 41 **19.** 5

Practice 2-2

1. $3 + 2x$ **2.** $3x + 6$ **3.** $2x + 5$ **4.** 8 **5.** 27
6. 72 **7.** 78 **8.** 25 **9.** 34 **10.** 40
11. 6 **12.** 45 **13.** 0 **14.** 88 **15.** 130
16. 8 **17.** 39 **18.** 1

19.

x	$x + 7$
2	9
5	12
8	**15**
11	**18**
14	21

20.

x	$5x$
3	**15**
6	**30**
9	**45**
12	**60**
15	75

21.

x	$125 - x$
15	**110**
30	**95**
45	**80**
60	**65**
75	50

22.

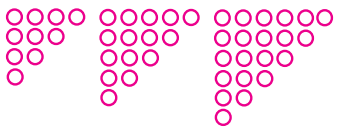
x	$6x + 5$
2	**17**
4	**29**
6	41
8	**53**
10	**65**

23. $\$49.99 + \$.35(750 - 600) = \$102.49$

Practice 2-3

1–11. Sample answers are given.
1. five times m, the product of five and m
2. b more than 8, the sum of 8 and b
3. fifteen times a number, the product of 15 and a number.
4. c minus 10, 10 less than a number
5. 18 divided by a, the quotient of 18 and a
6. a number less than 27, 27 minus a number
7. a number divided by 21, the quotient of a number and 21
8. eight times r, the product of 8 and r
9. 17 more than a number, the sum of a number and 17
10. 24 decreased by x; a difference of 24 and x; 24 minus x
11. 36 times r; the product of 36 and r; 36 multiplied by r
12–20. Sample answers are given.
12. $t - 9$ **13.** $n + 11$ **14.** $700 \div n$
15. $2w$ **16.** $b \div 7$ **17.** $81 + n$
18. $12m$ **19.** $15h$ **20.** $n - 8$

Practice 2-4

1. no **2.** 

3. 9 and 8 **4.** Juana, 25; Leo, 26 **5.** \$421
6. 26 and 17 **7.** 83 students **8.** \$97.50

Practice 2-5

1. true **2.** false **3.** false **4.** true **5.** true
6. false **7.** false **8.** false **9.** false **10.** 28
11. 62 **12.** 62 **13.** 57 **14.** 129 **15.** 72
16. 186 **17.** 343 **18.** 96 **19.** 48 **20.** 163
21. 89 **22.** 12 **23.** 3 **24.** 30 **25.** 120
26. 50 **27.** 5 **28.** 3 **29.** 25 **30.** 2
31. yes **32.** no **33.** no **34.** 12 team members

Practice 2-6

1. 5 **2.** 19.3 **3.** 3.4 **4.** 6.6 **5.** 3.5
6. 17.6 **7.** 7.34 **8.** 8 **9.** 1.8 **10.** 12.1
11. 4.2 **12.** 0.8 **13.** \$1.7 **14.** 8 **15.** 1.31
16. 8.8 **17.** 7.3 **18.** 10.6 **19.** 0.37 **20.** 5.6
21. $24 + 17 + b = 56$; $b = 15$ million copies
22. $m - \$38.72 - \$23.19 = \$31.18$; $m = \$93.09$
23. $\$4.70 + p = \$9.45$; $p = \$4.75$
24. 99 **25.** 59 **26.** 1 **27.** 4 **28.** 84
29. 98 **30.** 26 **31.** 0 **32.** 58

© Pearson Education, Inc. All rights reserved.

Name _____ Class _____ Date _____

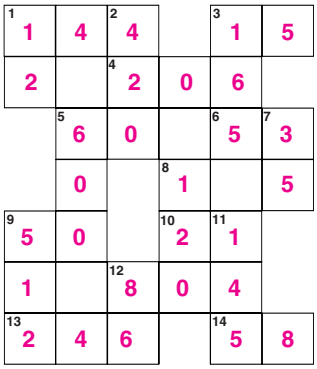
Chapter 2 Answers (continued)

Practice 2-7

1. yes	**2.** yes	**3.** yes	**4.** no	**5.** no
6. yes	**7.** no	**8.** yes	**9.** no	**10.** yes
11. no	**12.** no	**13.** 181	**14.** 132	**15.** 144
16. 378	**17.** 5	**18.** 14	**19.** 10,000	**20.** 936
21. 32	**22.** 1,701	**23.** 19	**24.** 4,118	
25. 21 miles/gallon		**26.** 5 folders		
27. $80		**28.** 8 books		

Practice 2-8

1. 3^4; 3 is the base, 4 is the exponent
2. 7^6; 7 is the base, 6 is the exponent
3. 9^3; 9 is the base, 3 is the exponent
4. $9 \times 10^4 + 8 \times 10^3 + 3 \times 10^2 + 6 \times 10^1 + 4 \times 1$
5. $2 \times 10^7 + 3 \times 10^5 + 5 \times 10^4 + 1 \times 10^3 + 4 \times 10^2 + 1 \times 1$
6. $8 \times 10^5 + 7 \times 10^4 + 5 \times 10^3 + 2 \times 10^1$
7. 81 **8.** 1,296 **9.** 125 **10.** 343 **11.** 160
12. 104 **13.** 61 **14.** 1,100



Practice 2-9

1. $(3 \times 2) + (3 \times 8)$; 30 **2.** $(4 \times 4) + (4 \times 12)$; 64
3. $(5 \times 6) + (5 \times 12)$; 90 **4.** 8; 4
5. 7 **6.** 7; 9 **7.** 5 **8.** 3; 9 **9.** 9; 8
10. $(7 \times 50) + (7 \times 3)$; 371
11. $(8 \times 90) + (8 \times 7)$; 776
12. $(5 \times 400) + (5 \times 2)$; 2,010
13. $(8 \times 100) + (8 \times 3)$; 824
14. $(9 \times 200) + (9 \times 10) + (9 \times 3)$; 1,917
15. $(7 \times 40) + (7 \times 9)$; 343
16. 282 **17.** 90 **18.** 106 **19.** 66
20. 177 **21.** 378 **22.** 714 seats **23.** 1,000m^2

Reteaching 2-1

1. 14, 17, 20; Start with 2 and add 3 repeatedly.
2. 48, 96, 192; Start with 3 and multiply by 2 repeatedly.
3. 45, 54, 63; Start with 9 and add 9 repeatedly.
4. 32, 24, 16; Start with 64 and subtract 8 repeatedly.
5. 256, 1,024, 4,096; Start with 1 and multiply by 4 repeatedly.
6. 55, 50, 45; Start with 75 and subtract 5 repeatedly.
7. 54, 45, 36; Start with 90 and subtract 9 repeatedly.
8. 64, 128, 256; Start with 4 and multiply by 2 repeatedly.

Reteaching 2-2

1. $p + 2$	**2.** $2p$	**3.** $3p + 6$	**4.** 8; 20
5. 6; 42	**6.** 20; 10	**7.** 21	**8.** 7
9. 20	**10.** 28	**11.** 24	**12.** 3
13. 1	**14.** 36	**15.** 7	

Reteaching 2-3

1. $n + 8$	**2.** $3n$	**3.** $n - 2$	**4.** $6 + y$
5. $8 \div e$	**6.** $h - 3$	**7.** $4w$	**8.** $s - 8$
9. $r \div 2$	**10.** $n + 5$	**11.** $6m$	

Reteaching 2-4

1. 7 games **2.** 45 games **3.** $1,400
4. Every other team has lost at least one game.

Reteaching 2-5

1. $q = 3$	**2.** $w = 5$	**3.** $h = 9$	**4.** $h = 6$
5. $h = 36$	**6.** $m = 20$	**7.** $y = 20$	**8.** $w = 13$
9. false	**10.** true	**11.** true	**12.** false
13. false	**14.** true	**15.** false	**16.** false

Reteaching 2-6

1. 15; 15; 16	**2.** 20; 20; 25	**3.** 32	**4.** 23
5. 30	**6.** 100	**7.** 21	**8.** 412
9. 20	**10.** 200		
11. $2,000 + p = $3,200; p = $1,200			

Reteaching 2-7

1. yes	**2.** no	**3.** no	**4.** yes
5. yes	**6.** no	**7.** 4; 4; 3	**8.** 9; 9; 36
9. 5	**10.** 81	**11.** 4	**12.** 15
13. 476	**14.** 5	**15.** 576	**16.** 4
17. 88	**18.** 22	**19.** 42	**20.** 3

© Pearson Education, Inc. All rights reserved.