

02215

GRADES

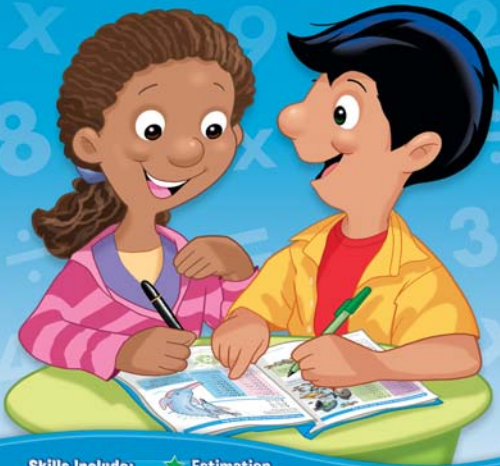
3-4

DELUXE EDITION



FOLLOWS  
**NCTM**  
STANDARDS

# MULTIPLICATION & DIVISION



**Skills Include:** ★ Estimation

★ Multiplication ★ Division

★ Story Problems ★ And More!

**An I Know It!<sup>®</sup>  
Book**

# Answer Key

## Page 1

- $2 + 2 = 4$   
2 groups of 2 = 4  
 $2 \times 2 = 4$
- $2 + 2 + 2 + 2 = 8$   
4 groups of 2 = 8  
 $4 \times 2 = 8$
- $3 + 3 + 3 = 9$   
3 groups of 3 = 9  
 $3 \times 3 = 9$
- $4 + 4 + 4 + 4 = 16$   
4 groups of 4 = 16  
 $4 \times 4 = 16$

## Page 2

- $3 + 3 + 3 + 3 = 12$
- $5 \times 3 = 15$
- $9 + 9 + 9 + 9 + 9 = 45$
- $6 \times 6 = 36$
- $3 + 3 + 3 = 9$
- $2 \times 8 = 16$
- $7 + 7 + 7 = 21$
- $4 \times 7 = 28$
- $7 + 7 + 7 + 7 + 7 = 35$
- $5 \times 9 = 45$

## Page 3

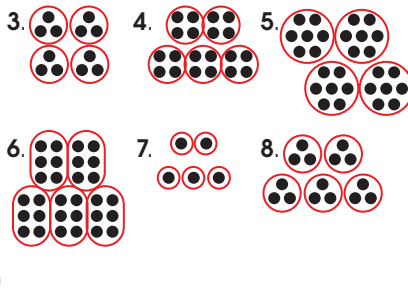
- $3 \times 4 = 12$
- $2 \times 5 = 20$
- $5 \times 2 = 10$
- $3 \times 9 = 27$
- $2 \times 7 = 14$
- $6 \times 9 = 36$

## Page 4

- 2
- 3
- 8, 8
- 6
- 6
- 9
- 18, 18
- 8
- 12
- 12, 12
- 10
- 15
- 6, 14, 14
- 12
- 18
- 7, 6, 6
- 14
- 21
- 16
- 24
- 18
- 27

## Page 5

- 4
- 5
- 8
- 10
- 12
- 15
- 16
- 20
- 20
- 20
- 25
- 24
- 30
- 28
- 35
- 32
- 40
- 36
- 45



## Page 6

- 0
- 1
- 0
- 2
- 0
- 3
- 0
- 4
- 0
- 5
- 0
- 6
- 0
- 7
- 0
- 8
- 0
- 9

- zero
- that number

## Page 7

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45

- 0, 2, 4, 6, 8, 10, 12, 14, 16, 18;  
0, 2, 4, 6, or 8
- 0, 5, 10, 15, 20, 25, 30, 35, 40, 45;  
0 or 5
- They are the column numbers.
- 0
- 15, 15, 6, 6; The factors are the same, just in a different order.

## Page 8

1. 0	2. 0	3.
6	7	7 5 35 5 8 40 3 8
12	14	3 6 18 3 1 3 2 4
18	21	21 30 42 15 8 5 6 2
24	28	7 9 63 4 6 24 9 7
30	35	8 7 56 3 48 6 4 2
36	42	7 8 49 12 54 28 36 4
42	49	7 1 7 5 35 6 0 0
48	56	
54	63	

## Page 9

1. 0	2. 0	3.
8	9	56 32
16	18	8 7 4 48
24	27	1 7 4 6 0
32	36	8 5 9 0 0
40	45	64 40 72
48	54	4.
56	63	18 45
64	72	81 9 2 5 8 72
72	81	54 6 1 7 3 27
		9 63

## Page 10

- 42, 12, 64, 14,  
40, 24, 9, 0, 21,  
81, 16, 25, 42,  
24, 0, 18, 16, 30,  
36, 54, 9, 81, 56

## Page 11

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

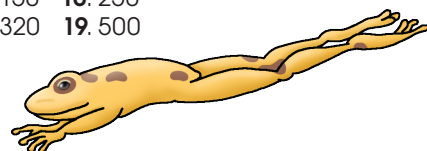
## Page 12

- 6
- 27
- 20
- 36
- 30
- 45
- 12
- 42
- 28
- 56
- 36
- 14.40
- 17.15
- 20.32
- 15.56
- 18.54
- 21.0
- 13.81
- 16.72
- 19.20
- 22.36
- 1.4
- 3.1
- 5.4
- 7.9
- 9.2
- 11.9
- 13.0
- 15.3
- 2.7
- 4.8
- 6.6
- 8.7
- 10.7
- 12.0
- 14.8
- 16.8

## Page 13

## Page 14

- 40¢; 40¢
- 100¢; 100¢
- 0
- 60
- 80
- 20
- 30
- 40
- 50
- 60
- 70
- 80
- 90
- 100
- 60
- 20
- 8.30
- 10.10
- 11.40
- 12.70
- 13.10, 0
- 14.120
- 15.150
- 16.250
- 17.200
- 18.320
- 19.500



# Answer Key

## Page 15

1. 16   2. 80   3. 0  
4. 90   5. 100   6. 30  
7. 48   8. 40   9. 18  
10. 100   11. 60   12. 81  
13. 0   14. 27   15. 900

## Page 16

1. 55   2. 11  
66   22  
77   33  
88   44  
99   55  
110   66  
121   77  
132   88  
99   88  
110   99  
121   110  
132   132
3. It's easy to add a 1 to the ones place and a 1 to the tens place of the previous number.
4. The numbers are doubles.
5. 0; Zero times any number equals zero.
6. 143;  $10 \times 13 = 130$   
 $+ 13 = 143$

## Page 17

1. 60   2. 12   3. even  
72   24   4. 0, 2, 4, 6, or 8  
84   36   5. 0; Zero times any number equals zero.  
96   48   6. 84 eggs  
108   60   7. 60 inches  
120   72  
132   84  
144   96  
108  
120  
132  
144

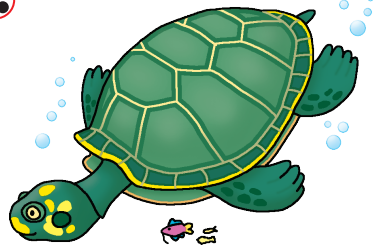
## Page 18

1.  $7 + 7 + 7 + 7 = 28$   
4 groups of 7 = 28  
 $4 \times 7 = 28$

2. 24  3. 6 

4. 14  5. 16 

6. 9   7. 36   8. 7  
9. 0   10. 0   11. 24  
12. 42   13. 36   14. 56  
15. 64   16. 70   17. 77  
18. 96   19. 100   20. 54






## Page 19

21. A   22. B  
23. C   24. C  
25. D   26. C  
27. D   28. C  
29. C   30. A

## Page 20

1.  $12 \div 3 = 4$    2.  $8 \div 4 = 2$   
 $12 \div 4 = 3$     $8 \div 2 = 4$   
3.  $10 \div 2 = 5$    4.  $18 \div 3 = 6$   
 $10 \div 5 = 2$     $18 \div 6 = 3$   
5.  $12 \div 6 = 2$    6.  $20 \div 5 = 4$   
 $12 \div 2 = 6$     $20 \div 4 = 5$

## Page 22


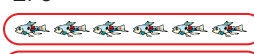
1. 7  2. 4  3. 2 

## Page 21

1.  $56 \div 8 = 7$    2.  $36 \div 4 = 9$    3.  $25 \div 5 = 5$   
 $56 \div 7 = 8$     $36 \div 9 = 4$   
4.  $42 \div 6 = 7$    5.  $24 \div 3 = 8$    6.  $14 \div 2 = 7$   
 $42 \div 7 = 6$     $24 \div 8 = 3$     $14 \div 7 = 2$   
7.  $35 \div 7 = 5$    8.  $72 \div 8 = 9$    9.  $32 \div 4 = 8$   
 $35 \div 5 = 7$     $72 \div 9 = 8$     $32 \div 8 = 4$
10. 9 stamps

4. 1   5. 1   6.  $16 \div 2 = 8$   
2   2   7.  $21 \div 3 = 7$  or  
3   3    $21 \div 7 = 3$   
4   4   8.  $2 \times 9 = 18$   
5   5    $18 \div 2 = 9$   
6   6   9.  $1 \times 3 = 3$   
7   7    $3 \div 3 = 1$  or  
8   8    $3 \div 1 = 3$   
9   9   10. 1

## Page 23

1. 5  2. 6 

3. 1   4. 1   5. 3  
2   2   2  
3   3   8  
4   4   8  
5   5   1  
6   6   4  
7   7   9  
8   8   7  
9   9   1  
6

## Page 24

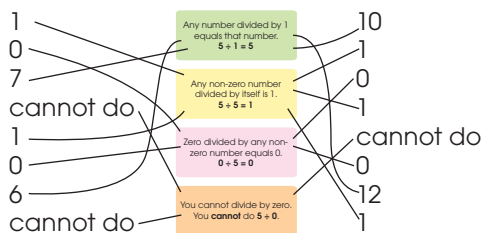
1. 1   2. 1   3. 6  
2   2   21  
3   3   8  
4   4   49  
5   5   6  
6   6   7  
7   7   3  
8   8   56  
9   9   54

## Page 25

1. 1   2. 1   7.  $7 \times 8 = 56$   
2   2    $8 \times 7 = 56$   
3   3    $56 \div 7 = 8$   
4   4    $56 \div 8 = 7$   
5   5  
6   6   8.  $1 \times 9 = 9$   
7   7    $9 \times 1 = 9$   
8   8    $9 \div 1 = 9$   
9   9    $9 \div 9 = 1$   
3. 40, 5   9.  $7 \times 9 = 63$   
8, 5    $9 \times 7 = 63$   
4. 6, 54    $63 \div 7 = 9$   
6, 54    $63 \div 9 = 7$   
5. 9, 9  
9, 9  
6. 64, 8

# Answer Key

## Page 26



## Page 27

1.  $9\overline{)36}$

3.  $8\overline{)56}$

5.  $18 \div 2 = 9$  or  $18 \div 3 = 6$   
 $18 \div 9 = 2$     $18 \div 6 = 3$

7.  $5\overline{)45}$  or  $9\overline{)45}$

9.  $72 \div 9 = 8$  or  
 $72 \div 8 = 9$

2.  $2\overline{)10}$

4.  $7\overline{)63}$

6.  $5\overline{)30}$  or  $6\overline{)30}$

8.  $54 \div 6 = 9$  or  
 $54 \div 9 = 6$

10.  $7\overline{)1}$  or  $1\overline{)7}$

11. 9   12. 7   13. 9  
 14. 9   15. 7   16. 9  
 17. 1   18. 8   19. 0

## Page 28

1.  $9\overline{)81}$    2.  $2\overline{)4}$

3.  $8\overline{)7}$    4.  $7\overline{)14}$

5. 8   6. 7  
 7. 7   8. 10  
 9. 10   10. 7  
 11. 1   12. 8

## Page 29

1.  $24 \div 6 = 4$ ; 4 nuts  
 2.  $3 \times 8 = 24$ ; 24 bananas  
 3.  $6 \times 7 = 42$ ; 42 stickers  
 4.  $9 \div 3 = 3$ ; 3 boxes

## Page 30

1.  $6 \times 5 \div 3 \div 2 = 5$   
 2.  $10 \div 5 \times 4 \div 2 = 4$   
 3.  $49 \div 7 \times 6 \div 6 = 7$   
 4.  $81 \div 9 \div 3 \times 6 = 18$   
 5.  $2 \div 2 \times 2 \div 2 = 1$   
 or  $2 \times 2 \div 2 \div 2 = 1$   
 6.  $64 \div 8 \div 8 \times 1 = 1$   
 or  $64 \div 8 \div 8 \div 1 = 1$   
 7.  $8 \times 5 \div 4 \times 3 = 30$   
 8.  $24 \div 8 \times 9 \div 3 = 9$

## Page 31

<sup>1</sup> 4	0		<sup>2</sup> 5	6		<sup>3</sup> 3
<sup>4</sup> 8		<sup>5</sup> 2	4		<sup>6</sup> 3	6
	<sup>7</sup> 1	4		<sup>8</sup> 2	0	
<sup>9</sup> 7	2		<sup>10</sup> 1			<sup>11</sup> 6
2		<sup>12</sup> 2	8		<sup>13</sup> 2	4
	<sup>14</sup> 4	0		<sup>15</sup> 2	8	

## Page 32

1.  $3 \times 5 = 15$   
 $15 \div 3 = 5$   
 2. 8   3. 9   4. 0  
 5. 0   6. 1   7. 0  
 8.  $54 \div 6 = 9$    9.  $8 \div 8 = 1$    10.  $35 \div 7 = 5$   
 $54 \div 9 = 6$     $8 \div 1 = 8$     $35 \div 5 = 7$   
 11. 8   12. 6   13. 8   14. 9  
 15. 9   16. 4   17. 0   18. 42  
 19. 1   20. 8   21. 9   22. cannot do  
 23. 9   24. cannot do   25. 9   26. 5

## Page 33

27. B   28. C  
 29. C   30. D  
 31. D   32. C  
 33. B   34. D

## Page 34

1. 8; 80; 800  
 2. 63; 630; 6,300  
 3. 6; 60  
 4. 16; 1,600  
 5. 27; 2,700  
 6. 56; 560  
 7. 40; 400  
 8. 54; 5,400  
 9. 700   10. 360   11. 1,500  
 12. 280   13. 2,400   14. 450  
 15. 4,200   16. 400   17. 7,200  
 18.

x	10	30	80	100	400	900
5	50	150	400	500	2,000	4,500
7	70	210	560	700	2,800	6,300
8	80	240	640	800	3,200	7,200

## Page 35

1.  $4 \times 60 = 240$    2.  $6 \times 80 = 480$    3.  $3 \times 200 = 600$   
 4.  $600 \times 8 = 4,800$    5.  $7 \times 200 = 1,400$    6.  $5 \times 800 = 4,000$   
 7. 210   8. 3,200   9. 4,900  
 10. 2,000   11. 1,800   12. 540  
 13. 1,500   14. 560   15. 5,400  
 16. 210 photographs  
 17. 240 students

## Page 36

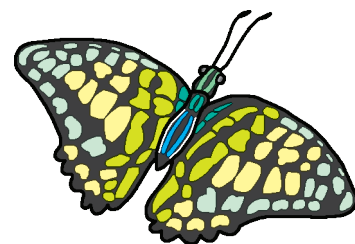
1. 28   2. 48   3. 46  
 4. 99   5. 48   6. 77  
 7. 96   8. 40   9. 26  
 10. 36 pages

## Page 37

1. 252   2. 196   3. 296   4. 102   5. 156   6. 320  
 7. 567   8. 54   9. 275   10. 171   11. 84   12. 225  
 13. 24   14. 80   15. 36

## Page 38

1. 504   2. 944   3. 3,900  
 4. 938   5. 2,439   6. 1,152  
 7. 270   8. 1,460   9. 2,016



# Answer Key

## Page 39

- 312
- 448
- 234
- 852
- 1,281
- 2,946
- 507
- 2,220
- 3,660
- 1,380 pounds
- 6 ostriches = 2,070 pounds

## Page 40

- 903
- 570
- 1,950
- 4,230
- 2,412
- 2,250
- 1,530
- 818
- 1,428
- 3,150
- 3,654
- 5,360
- $302 \times 8 = 2,416$
- $605 \times 8 = 4,840$
- $340 \times 5 = 1,700$
- $260 \times 7 = 1,820$  or  $270 \times 7 = 1,890$

## Page 41

- 6,666
- 15,705
- 8,028
- 36,856
- 15,536
- 15,783
- 21,735
- 16,200
- 31,750
- 9,000 pounds

## Page 42

- $\$3 \times 6 = \$18$
- $\$8 \times 7 = \$56$
- $\$40 \times 3 = \$120$
- $\$1 \times 9 = \$9$
- $\$17.58$
- $\$56.42$
- $\$127.50$
- $\$8.01$
- $\$28.50$
- $\$29.96$
- $\$114.87$
- $\$5.88$

## Page 43

- $3 \times \$5.75 = \$17.25$
- $6 \times \$1.99 = \$11.94$
- $4 \times \$12.50 = \$50.00$
- $5 \times \$7.09 = \$35.45$
- $8 \times \$6.5 = \$52.00$
- $4 \times (\$7.25 + \$3.89) = \$44.56$

## Page 44

- 600
- 5,600
- 3,000
- 1,600
- 3,600
- 4,200
- 4,000
- 3,600
- 1,200
- 2,700

11.

x	10	20	40	50	60	80
10	100	200	400	500	600	800
30	300	600	1,200	1,500	1,800	2,400
60	600	1,200	2,400	3,000	3,600	4,800
70	700	1,400	2,800	3,500	4,200	5,600
90	900	1,800	3,600	4,500	5,400	7,200

## Page 45

- 2,387
- 1,012
- 1,023
- 1,428
- 2,332
- 1,550
- 276 postcards

## Page 46

- 960
- 1,560
- 3,150
- 2,030
- 620
- 2,580
- 1,000
- 3,360
- 690
- 3,360
- 3,550
- 3,960
- 900 orchids

## Page 47

- $65 \times 9 = 585$
- $35 \times 2 = 70$
- $653 \times 9 = 5,877$
- $356 \times 2 = 712$
- $6,532 \times 9 = 58,788$
- $3,569 \times 2 = 7,138$
- $93 \times 65 = 6,045$
- $36 \times 25 = 900$

## Page 48

- 60
- 350
- 800
- 5,600
- 900
- 5,400
- 200
- 4,200
- 1,000
- $\$21$
- 14,000
- 3,000
- 69
- 483
- 2,139
- 4,950
- 2,036
- 12,819
- 42,245
- $\$43.12$
- $\$211.50$
- 1,081
- 2,220
- 4,920

## Page 49

- B
- B
- B
- C
- D
- B
- D
- D

## Page 50

- 42
- 23
- 12
- 19
- 19
- 12

## Page 51

- $9; 36 \div 4 = 9$
- $8; 64 \div 8 = 8$
- $3; 24 \div 8 = 3$
- $3; 27 \div 9 = 3$
- $9; 54 \div 6 = 9$
- $6; 30 \div 5 = 6$
- 4
- 4
- 7
- 6
- 10
- 10
- 8
- 8
- 4
- 9
- 5
- 3
- 22
- 7
- 23
- 10 or 11
- 24
- 21

## Page 52

- 11 R3
- 9 R2
- 5 R4
- 47 R1
- 12 R5
- 13 R4
- 9 R3
- 22 R1
- 10 R2

## Page 54

- 107
- 203
- 120
- 109
- 240 miles

## Page 56

- 6
- 8
- 23 R3
- 120 R3
- 37 R6
- 107
- 172
- 270 R1
- 13
- 215 R2
- 9 R4
- 21 R2
- 136 R4
- 188
- 34 R3
- 78
- 89 R2
- 92 R3
- 115 R3
- 208 R1

## Page 58

1. 2	2. 7	3. 6	4. 8	5. 3	6. 7
7. 8	8. 1	9. 4	10. 8	11. 5	12. 0
13. 0	14. 0	15. 3	16. 0	17. 0	18. 0
19. 1	20. 2	21. 1	22. 6	23. 6	24. 3
25. 5	26. 2	27. 1	28. 0	29. 0	30. 0
31. 2	32. 4	33. 0	34. 0	35. 0	36. 4
37. 7	38. 2	39. 9	40. 8	41. 5	42. 6

## Page 53

- 234
- 84
- 111 R2
- 41 R3
- 95
- 313 R1
- 111 R2
- 69
- 98 R2

## Page 55

- 50
  - 30
  - 25
  - 95
  - 75
  - 24
  - 50
  - 454
  - 101
  - 18
  - 72
  - 25
  - 63
  - 25
  - 50
- corn, chocolate

## Page 57

- B
- D
- C
- C
- C
- C
- A
- C
- B
- D

## Page 59

- 4,350 plants
- $\$45.90$
- 19 days
- 16 snapshots



A white banner with a red border is held by two colorful toucans. The banner has the word "Award" written on it in red. The scene is decorated with confetti, streamers, and a dragonfly.

**Award**

**CONGRATULATIONS!**

---

NAME

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