



Answer Key

GRADE 2 • MODULE 4

Addition and Subtraction Within 200 with Word Problems to 100

Lesson 1

Problem Set

1.
 - a. 67
 - b. 76
 - c. 65
 - d. 56
 - e. 46
 - f. 89
 - g. 57
 - h. 73
 - i. 10 less
 - j. 1 less
2.
 - a. 1 less
 - b. 10 more
3.
 - a. 40, 41, 42
 - b. 38, 28, 18
 - c. 49, 48, 47
 - d. 29, 39, 49
4.
 - a. 40; 66; 32; 79
 - b. 33, 10; 77, 76
 - c. 58, 10, 78, 79, 80
5.
 - a. 55, 54, 53, 43, 33
 - b. 60, 59, 69, 79, 78
6.
 - a. Problem solved using the arrow way; 62
 - b. Problem solved using the arrow way; 49

Exit Ticket

1.
 - a. 43, 42, 41
 - b. 28, 18, 8
 - c. 52, 62, 61
2.
 - a. Answers will vary.
 - b. Answers will vary.

Homework

1.
 - a. 38
 - b. 47
 - c. 36
 - d. 27
 - e. 48
 - f. 30
 - g. 35
 - h. 39
 - i. 1 less
 - j. 10 more
2.
 - a. 46, 47; +1
 - b. 34, 14; -10
 - c. 54, 64; +10
 - d. 44, 41; -1
 - e. 64, 54, 24; -10
 - f. 40, 39; -1
3.
 - a. True
 - b. False
 - c. False
 - d. False
4.
 - a. 60; 51; blue
 - b. Problem solved using the arrow way; 48

Lesson 2

Problem Set

1.
 - a. 8, 80; 9, 90
 - b. 54, 74, 64
 - c. 57, 77, 87
 - d. 30, 40, 50
 - e. 30, 40, 60
2.
 - a. 6, 60; 4, 40
 - b. 38, 26, 38
 - c. 60, 20, 50
 - d. 60, 20, 50
3.
 - a. 30
 - b. 57
 - c. 2 tens
 - d. 3 tens
 - e. 2 tens 8 ones
4. 48; arrow way will vary.

Exit Ticket

1. 70
2. 7
3. 2
4. 83
5. 2

Homework

1.
 - a. 5, 50; 5, 4, 54
 - b. 9, 90; 9, 9, 99
 - c. 68; 48; 98
 - d. 55; 85; 35
 - e. 10; 30; 70
 - f. 40; 50; 80
2.
 - a. $63 > 53$
 - b. $68 = 68$
 - c. $79 > 69$
 - d. $74 > 69$
 - e. $91 < 98$
 - f. $85 < 86$
3.
 - a. 4, 40; 3, 3, 33
 - b. 3, 30; 3, 9, 39
 - c. 35, 45, 35
 - d. 50, 30, 60
 - e. 20, 20, 30
4.
 - a. 38
 - b. 76
 - c. 68
 - d. 14
5. 28; arrow way will vary.

Lesson 3

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 4 | 12. 60 | 23. 80 | 34. 70 |
| 2. 40 | 13. 63 | 24. 84 | 35. 72 |
| 3. 41 | 14. 45 | 25. 57 | 36. 36 |
| 4. 32 | 15. 20 | 26. 20 | 37. 30 |
| 5. 2 | 16. 25 | 27. 29 | 38. 36 |
| 6. 20 | 17. 43 | 28. 56 | 39. 72 |
| 7. 25 | 18. 59 | 29. 97 | 40. 93 |
| 8. 34 | 19. 37 | 30. 37 | 41. 57 |
| 9. 57 | 20. 8 | 31. 64 | 42. 13 |
| 10. 9 | 21. 48 | 32. 37 | 43. 86 |
| 11. 79 | 22. 49 | 33. 39 | 44. 88 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 3 | 12. 70 | 23. 70 | 34. 60 |
| 2. 30 | 13. 73 | 24. 75 | 35. 63 |
| 3. 31 | 14. 55 | 25. 48 | 36. 27 |
| 4. 22 | 15. 30 | 26. 10 | 37. 40 |
| 5. 1 | 16. 34 | 27. 19 | 38. 46 |
| 6. 10 | 17. 52 | 28. 46 | 39. 82 |
| 7. 15 | 18. 66 | 29. 87 | 40. 83 |
| 8. 24 | 19. 44 | 30. 27 | 41. 47 |
| 9. 47 | 20. 8 | 31. 54 | 42. 23 |
| 10. 9 | 21. 58 | 32. 47 | 43. 76 |
| 11. 69 | 22. 59 | 33. 49 | 44. 78 |

Problem Set

1. Solved using the arrow way
 - a. 58, 59, 57
 - b. 87, 88, 86
 - c. 24, 23, 25
 - d. 25, 24, 26
2.
 - a. 69, 70, 68
 - b. 93, 94, 92
 - c. 64, 63, 65
 - d. 53, 55, 57
 - e. 44, 23, 56
3. 90

Exit Ticket

1. Solved using the arrow way or number bonds
 - a. 73
 - b. 92
 - c. 31
 - d. 9
2. Answers will vary.

Homework

1. Solved using the arrow way
 - a. Answers provided.
 - b. 96, 97, 95
 - c. 28, 27, 29
 - d. 37, 36, 38
2.
 - a. 28, 27, 29
 - b. 36, 35, 37
 - c. 77, 78, 76
 - d. 92, 93, 91
 - e. 37, 36, 38
 - f. 78, 79, 77
3. \$45
4.
 - a. 43 cm
 - b. Yes

Lesson 4

Problem Set

1. Tape diagram drawn and labeled
 - a. $23 - 9 = 24 - 10 = 14$
 - b. $32 - 19 = 33 - 20 = 13$
 - c. $50 - 29 = 51 - 30 = 21$
 - d. $47 - 28 = 49 - 30 = 19$
2. Tape diagram drawn and labeled
 - a. $29 + 46 = 30 + 45 = 75$
 - b. $38 + 45 = 40 + 43 = 83$
 - c. $61 + 29 = 60 + 30 = 90$
 - d. $27 + 68 = 25 + 70 = 95$

Exit Ticket

1.
 - a. $26 + 38 = 24 + 40 = 64$
 - b. $83 - 46 = 87 - 50 = 37$
2. Drawings will vary; 9

Homework

1. Tape diagram drawn and labeled
 - a. $17 - 9 = 18 - 10 = 8$
 - b. $33 - 19 = 34 - 20 = 14$
 - c. $60 - 29 = 61 - 30 = 31$
 - d. $56 - 38 = 58 - 40 = 18$
2. Number bond drawn
 - a. $28 + 43 = 30 + 41 = 71$
 - b. $49 + 26 = 50 + 25 = 75$
 - c. $43 + 19 = 42 + 20 = 62$
 - d. $67 + 28 = 65 + 30 = 95$
3. Drawings will vary.
Cynthia has 35 oranges.

Lesson 5

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 4 | 12. 60 | 23. 80 | 34. 70 |
| 2. 40 | 13. 63 | 24. 84 | 35. 72 |
| 3. 41 | 14. 45 | 25. 57 | 36. 36 |
| 4. 32 | 15. 20 | 26. 20 | 37. 30 |
| 5. 2 | 16. 25 | 27. 29 | 38. 36 |
| 6. 20 | 17. 43 | 28. 56 | 39. 72 |
| 7. 25 | 18. 59 | 29. 97 | 40. 93 |
| 8. 34 | 19. 37 | 30. 37 | 41. 57 |
| 9. 57 | 20. 8 | 31. 64 | 42. 13 |
| 10. 9 | 21. 48 | 32. 37 | 43. 86 |
| 11. 79 | 22. 49 | 33. 39 | 44. 88 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 3 | 12. 70 | 23. 70 | 34. 60 |
| 2. 30 | 13. 73 | 24. 75 | 35. 63 |
| 3. 31 | 14. 55 | 25. 48 | 36. 27 |
| 4. 22 | 15. 30 | 26. 10 | 37. 40 |
| 5. 1 | 16. 34 | 27. 19 | 38. 46 |
| 6. 10 | 17. 52 | 28. 46 | 39. 82 |
| 7. 15 | 18. 66 | 29. 87 | 40. 83 |
| 8. 24 | 19. 44 | 30. 27 | 41. 47 |
| 9. 47 | 20. 8 | 31. 54 | 42. 23 |
| 10. 9 | 21. 58 | 32. 47 | 43. 76 |
| 11. 69 | 22. 59 | 33. 49 | 44. 78 |

Problem Set

- | | | | | |
|----|-----|----|----|----|
| 1. | 87 | 5. | a. | 15 |
| 2. | 38 | | b. | 62 |
| 3. | 75 | 6. | | 24 |
| 4. | a. | | | |
| | b. | | | |
| | 39 | | | |
| | 107 | | | |

Exit Ticket

- | | | |
|----|----|----|
| 1. | a. | 83 |
| | b. | 42 |
| 2. | | 87 |

Homework

- | | | | | |
|----|-------|----|----|------|
| 1. | 81 | 5. | a. | \$47 |
| 2. | 33 | | b. | \$66 |
| 3. | 75 | | c. | \$79 |
| 4. | a. | | | |
| | b. | | | |
| | 96 cm | | | |
| | 29 cm | | | |

Lesson 6

Problem Set

- | | | | |
|----|-------------------|----|-------|
| 1. | a. 14, 38, 44, 84 | 3. | 72 |
| | b. 12, 27, 32, 82 | 4. | a. 41 |
| 2. | a. 40, 41 | | b. 37 |
| | b. 30, 31 | | c. 66 |
| | c. 69, 72 | | |
| | d. 90, 92 | | |
| | e. 71, 68 | | |
| | f. 81, 83 | | |
| | g. 86, 88 | | |

Exit Ticket

- 72
- 71
- 92

Homework

- | | | | |
|----|-------------------|----|------|
| 1. | a. 13, 39, 43, 83 | 3. | 85 |
| | b. 14, 28, 34, 84 | 4. | 93 |
| 2. | a. 30, 31 | 5. | \$63 |
| | b. 30, 32 | | |
| | c. 48, 51 | | |
| | d. 70, 72 | | |
| | e. 88, 93 | | |
| | f. 100, 103 | | |
| | g. 101, 98 | | |
| | h. 90, 93 | | |
| | i. 93, 89 | | |

Lesson 7

Problem Set

1.
 - a. 30, 30
 - b. 51, 51
 - c. 82, 82
 - d. 95, 95
2. 85
3.
 - a. 64
 - b. 93

Exit Ticket

1.
 - a. 81
 - b. 81
2. Answers will vary.

Homework

1.
 - a. 40, 40
 - b. 60, 60
 - c. 93, 93
2. 41, 52
3. 91
4.
 - a. 64 cm
 - b. 46 cm

Lesson 8

Problem Set

1.
 - a. 42; solved vertically; disks drawn
 - b. 70; solved vertically; disks drawn
 - c. 79; solved vertically; disks drawn
 - d. 92; solved vertically; disks drawn
 - e. 72; solved vertically; disks drawn
 - f. 86; solved vertically; disks drawn
2. 50
3. 84

Exit Ticket

93; 11 ones bundled instead of 10 ones; 94; solved vertically; disks drawn

Homework

1.
 - a. 61; solved vertically; disks drawn
 - b. 42; solved vertically; disks drawn
 - c. 62; solved vertically; disks drawn
 - d. 69; solved vertically; disks drawn
 - e. 91; solved vertically; disks drawn
2. 52
3. 66 cm

Lesson 9

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 10 | 12. 17 | 23. 10 | 34. 14 |
| 2. 11 | 13. 10 | 24. 11 | 35. 10 |
| 3. 12 | 14. 13 | 25. 12 | 36. 11 |
| 4. 18 | 15. 14 | 26. 16 | 37. 13 |
| 5. 10 | 16. 16 | 27. 10 | 38. 10 |
| 6. 11 | 17. 10 | 28. 11 | 39. 12 |
| 7. 12 | 18. 16 | 29. 12 | 40. 13 |
| 8. 17 | 19. 10 | 30. 15 | 41. 10 |
| 9. 10 | 20. 15 | 31. 10 | 42. 12 |
| 10. 13 | 21. 10 | 32. 11 | 43. 10 |
| 11. 14 | 22. 15 | 33. 12 | 44. 11 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 10 | 12. 17 | 23. 10 | 34. 13 |
| 2. 11 | 13. 10 | 24. 11 | 35. 10 |
| 3. 12 | 14. 13 | 25. 12 | 36. 11 |
| 4. 16 | 15. 14 | 26. 15 | 37. 12 |
| 5. 10 | 16. 18 | 27. 10 | 38. 10 |
| 6. 11 | 17. 10 | 28. 11 | 39. 12 |
| 7. 12 | 18. 16 | 29. 12 | 40. 14 |
| 8. 17 | 19. 10 | 30. 14 | 41. 10 |
| 9. 10 | 20. 15 | 31. 10 | 42. 13 |
| 10. 13 | 21. 10 | 32. 11 | 43. 10 |
| 11. 14 | 22. 15 | 33. 12 | 44. 11 |

Problem Set

1.
 - a. 139
 - b. 190
 - c. 142
 - d. 195
2. 162
3. 181

Exit Ticket

1. $154 + 37 = 191$
2. 175

Homework

1.
 - a. 141
 - b. 181
 - c. 145
2. $148 + 26 = 174$
3.
 - a. 71
 - b. 67

Lesson 10

Sprint

Side A

- | | | | |
|-------|--------|--------|--------|
| 1. 1 | 12. 3 | 23. 10 | 34. 8 |
| 2. 2 | 13. 10 | 24. 9 | 35. 10 |
| 3. 3 | 14. 9 | 25. 8 | 36. 9 |
| 4. 9 | 15. 8 | 26. 6 | 37. 8 |
| 5. 10 | 16. 7 | 27. 10 | 38. 7 |
| 6. 10 | 17. 5 | 28. 9 | 39. 7 |
| 7. 10 | 18. 10 | 29. 8 | 40. 4 |
| 8. 10 | 19. 9 | 30. 7 | 41. 9 |
| 9. 9 | 20. 8 | 31. 5 | 42. 2 |
| 10. 8 | 21. 7 | 32. 10 | 43. 7 |
| 11. 7 | 22. 3 | 33. 9 | 44. 6 |

Side B

- | | | | |
|-------|--------|--------|--------|
| 1. 10 | 12. 4 | 23. 10 | 34. 8 |
| 2. 10 | 13. 10 | 24. 9 | 35. 7 |
| 3. 10 | 14. 9 | 25. 8 | 36. 10 |
| 4. 10 | 15. 8 | 26. 7 | 37. 9 |
| 5. 1 | 16. 7 | 27. 5 | 38. 8 |
| 6. 2 | 17. 4 | 28. 10 | 39. 6 |
| 7. 3 | 18. 10 | 29. 9 | 40. 9 |
| 8. 8 | 19. 9 | 30. 8 | 41. 3 |
| 9. 9 | 20. 8 | 31. 6 | 42. 6 |
| 10. 8 | 21. 7 | 32. 10 | 43. 3 |
| 11. 7 | 22. 4 | 33. 9 | 44. 7 |

Problem Set

1.
 - a. 145
 - a. 152
 - b. 150
 - c. 177
 - d. 186; 1, 7, 16; 1, 8, 6
2.
 - a. \$58
 - b. \$94

Exit Ticket

1. 164
2. 1, 5, 14
1, 6, 4
Explanations will vary.

Homework

1.
 - a. 142
 - b. 162
 - c. 163
 - d. 187
2. $158 + 34 = 192$; 1, 9, 2
3.
 - a. 57
 - b. 92

Lesson 11

Problem Set

1.
 - a. 1, 31, 30, 29
 - b. 1, 81, 80, 79
2.
 - a. 21, 19
 - b. 20, 19
 - c. 25, 28
 - d. 25, 19
 - e. 28, 18
 - f. 42, 52
3. 28; explanations will vary.
4. 15
5. 42

Exit Ticket

1. 15
2. 46

Homework

1.
 - a. 1, 21, 20, 19
 - b. 1, 51, 50, 49
2.
 - a. 31, 29
 - b. 31, 29
 - c. 35, 36
 - d. 26, 29
 - e. 34, 36
 - f. 29, 39
3.
 - a. 14; explanations will vary.
 - b. 39; explanations will vary.
4.
 - a. $45 - 37 = 8$
 - b. $52 - 37 = 15$
 - c. $48 - 37 = 11$
 - d. $55 - 37 = 18$

Lesson 12

Problem Set

1.
 - a. Answer provided
 - b. 8
 - c. 9
 - d. 7
 - e. 24
 - f. 44
2. Pam
3.
 - a. 25
 - b. 17

Exit Ticket

Sherry forgot to unbundle a ten.

Homework

1.
 - a. Answer provided.
 - a. 25
 - b. 18
 - c. 28
 - d. 35
 - e. 47
2.
 - a. 9
 - b. 28
 - c. 9

Lesson 13

Sprint

Side A

1. 5	12. 13	23. 8	34. 26
2. 15	13. 23	24. 18	35. 15
3. 25	14. 9	25. 28	36. 25
4. 8	15. 19	26. 8	37. 4
5. 18	16. 29	27. 18	38. 24
6. 28	17. 9	28. 28	39. 13
7. 9	18. 19	29. 7	40. 23
8. 19	19. 29	30. 17	41. 19
9. 29	20. 3	31. 27	42. 19
10. 2	21. 12	32. 6	43. 29
11. 3	22. 21	33. 16	44. 29

Side B

1. 9	12. 12	23. 8	34. 26
2. 19	13. 22	24. 18	35. 5
3. 29	14. 9	25. 28	36. 15
4. 7	15. 19	26. 8	37. 4
5. 17	16. 29	27. 18	38. 24
6. 27	17. 9	28. 28	39. 13
7. 9	18. 19	29. 7	40. 23
8. 19	19. 29	30. 17	41. 29
9. 29	20. 4	31. 27	42. 29
10. 1	21. 13	32. 6	43. 19
11. 2	22. 22	33. 16	44. 19

Problem Set

1.
 - a. 12
 - b. 22
 - c. 18
 - d. 18
 - e. 18
 - f. 19
2. 4; 10; false
3. 35; 35; true
4. 13

Exit Ticket

1. 47
2. 28

Homework

1.
 - a. 16
 - b. 26
 - c. 43
2.
 - a. 12
 - b. 23
 - c. 12
 - d. 23
 - e. 22
 - f. 23

Lesson 14

Problem Set

1.
 - a. 111
 - b. 128
 - c. 107
 - d. 135
 - e. 138
2.
 - a. 35
 - b. 135

Exit Ticket

1. 117
2. 112

Homework

1.
 - a. 114
 - b. 114
 - c. 118
2.
 - a. 105
 - b. 117
3.
 - a. $165 - 28 = 137$; 137
 - b. $165 - 19 = 146$; 146
 - c. $137 - 19 = 118$; 118

Lesson 15

Sprint

Side A

1. 51	12. 21	23. 44	34. 30
2. 62	13. 32	24. 30	35. 38
3. 73	14. 43	25. 36	36. 63
4. 84	15. 54	26. 10	37. 27
5. 93	16. 10	27. 17	38. 83
6. 21	17. 11	28. 10	39. 29
7. 31	18. 20	29. 18	40. 74
8. 29	19. 22	30. 44	41. 56
9. 38	20. 30	31. 40	42. 48
10. 47	21. 35	32. 41	43. 57
11. 56	22. 40	33. 43	44. 78

Side B

1. 41	12. 11	23. 44	34. 40
2. 52	13. 22	24. 30	35. 48
3. 63	14. 33	25. 36	36. 64
4. 74	15. 44	26. 10	37. 28
5. 83	16. 10	27. 17	38. 82
6. 91	17. 11	28. 10	39. 19
7. 21	18. 20	29. 18	40. 54
8. 19	19. 22	30. 35	41. 36
9. 28	20. 30	31. 50	42. 28
10. 37	21. 35	32. 51	43. 37
11. 46	22. 40	33. 44	44. 48

Problem Set

1.
 - a. 131
 - b. 135
 - c. 126
 - d. 131
 - e. 129
2.
 - a. 17
 - b. 117

Exit Ticket

1. 115
2. 108

Homework

1.
 - a. 122
 - b. 115
 - c. 123
 - d. 123
2.
 - a. Solved using place value chart; explanations will vary.
 - b. Vertical method; explanations will vary.

Lesson 16

Problem Set

- 41
- 26
- 34
- 74
- a. 18
b. 25

Exit Ticket

- a. 37
b. 9

Homework

- 47; models will vary.
- 17
- 12
- 81

Lesson 17

Problem Set

1.
 - a. 8 ones; 8
8 tens; 80
 - b. 4 ones; 4
4 tens; 40
 - c. 1; 10
10; 100
20; 200
 - d. 1; 10
2; 200
 - e. 2; 20
2; 200
2.
 - a. 1, 3; 13
1, 3; 130
 - b. 1, 2; 12
1, 2; 120
 - c. 1, 3; 13
1, 3; 130
3.
 - a. Answer provided
 - b. 130, 200; 76, 200
 - c. 10, 100, 200; 193, 200
 - d. 100, 190, 200; 130, 200
 - e. 40, 100, 130; 92, 130
 - f. 100, 106, 146; 48, 146

Exit Ticket

1.
 - a. 6 ones; 6; 6 tens; 60
 - b. 1; 10; 2; 200
2. 70, 80, 90, 100; 37, 100

Homework

1.
 - a. 6 ones; 6
6 tens; 60
 - b. 3 ones; 3
3 tens; 30
 - c. 19; 19
109; 109
190; 190
 - d. 1 ten; 10
1 hundred; 100
 - e. 1, 1; 11
1, 1; 110
 - f. 1, 8; 18
1, 8; 180
2.
 - a. 1, 1; 11
1, 1; 110
 - b. 1, 2; 12
1, 2; 120
 - c. 1, 7; 17
1, 7; 170
3.
 - a. Answer provided
 - b. 80, 90, 100; 22, 100
 - c. 70, 80, 90, 100, 200; 139, 200
 - d. 30, 100, 200; 173, 200

Lesson 18

Sprint

Side A

1. 39	12. 54	23. 92	34. 52
2. 49	13. 60	24. 94	35. 60
3. 59	14. 61	25. 80	36. 61
4. 69	15. 62	26. 81	37. 60
5. 39	16. 64	27. 82	38. 62
6. 49	17. 70	28. 85	39. 60
7. 59	18. 61	29. 70	40. 62
8. 69	19. 62	30. 71	41. 80
9. 50	20. 64	31. 84	42. 82
10. 51	21. 90	32. 50	43. 40
11. 52	22. 91	33. 51	44. 43

Side B

1. 29	12. 44	23. 82	34. 42
2. 39	13. 50	24. 84	35. 50
3. 49	14. 51	25. 70	36. 51
4. 59	15. 52	26. 71	37. 50
5. 29	16. 54	27. 72	38. 52
6. 39	17. 60	28. 75	39. 60
7. 49	18. 61	29. 60	40. 62
8. 59	19. 62	30. 61	41. 70
9. 40	20. 64	31. 62	42. 72
10. 41	21. 80	32. 40	43. 90
11. 42	22. 81	33. 41	44. 93

Problem Set

1.
 - a. 110; 130
 - b. 111; 122
 - c. 131; 141
 - d. 121; 132
 - e. 191; 200
2.
 - a. 1st and 4th statements circled
 - b. 1st, 2nd, and 4th statements circled
3. $45 + 95 = 140$; 140
4. 130
5. Kim; explanations will vary.

Exit Ticket

1. 100
2. 105
3. 91
4. 156

Homework

1.
 - a. 110; 130
 - b. 122; 141
 - c. 131; 142
 - d. 162; 142
 - e. 100; 200
2.
 - a. 2nd and 4th statements circled
 - b. 1st and 4th statements circled
3.
 - a. $86 + 57 = 143$; 143
 - b. $129 + 78 = 207$; 207
4.
 - a. 100
 - b. 111
 - c. 121

Lesson 19

Problem Set

1.
 - a. 91
 - b. 119
 - c. 129
 - d. 132
 - e. 143
 - f. 143
 - g. 200
 - h. 200
2.
 - a. 117
 - b. 196

Exit Ticket

1. 132
2. 167

Homework

1.
 - a. 121
 - b. 121
 - c. 114
 - d. 142
 - e. 144
 - f. 142
 - g. 200
 - h. 200
2.
 - a. 123
 - b. 197

Lesson 20

Sprint

Side A

1. 39	12. 54	23. 92	34. 52
2. 49	13. 60	24. 94	35. 60
3. 59	14. 61	25. 80	36. 61
4. 69	15. 62	26. 81	37. 60
5. 39	16. 64	27. 82	38. 62
6. 49	17. 70	28. 85	39. 60
7. 59	18. 61	29. 70	40. 62
8. 69	19. 62	30. 71	41. 80
9. 50	20. 64	31. 84	42. 82
10. 51	21. 90	32. 50	43. 40
11. 52	22. 91	33. 51	44. 43

Side B

1. 29	12. 44	23. 82	34. 42
2. 39	13. 50	24. 84	35. 50
3. 49	14. 51	25. 70	36. 51
4. 59	15. 52	26. 71	37. 50
5. 29	16. 54	27. 72	38. 52
6. 39	17. 60	28. 75	39. 60
7. 49	18. 61	29. 60	40. 62
8. 59	19. 62	30. 61	41. 70
9. 40	20. 64	31. 62	42. 72
10. 41	21. 80	32. 40	43. 90
11. 42	22. 81	33. 41	44. 93

Problem Set

1.
 - a. 80
 - b. 101
 - c. 112
 - d. 122
 - e. 156
2. Explanations will vary.

Exit Ticket

1. 111
2. 131

Homework

1.
 - a. 80
 - b. 80
 - c. 135
 - d. 163
 - e. 162
2.
 - a. 67 and 83 circled
 - b. 92 and 58 circled
 - c. 75 and 75 circled

Lesson 21

Problem Set

- 140
 - 113
 - 110
 - 190
- Place value chart solved correctly
Vertical form solved incorrectly

Exit Ticket

- 125
- 132

Homework

- 121
 - 151
 - 176
 - 205
- 106
 - 175

Lesson 22

Problem Set

- 17; 67; 167
 - 20; 120; 170
 - 17; 67; 167
- Strategy to make 10 or 100 shown
- Strategies will vary; \$80

Exit Ticket

- 98
- 198

Homework

- 16; 76; 166
 - 15; 135; 165
 - 20; 120; 190
- 90
 - 166
 - 94
 - Red and Green
 - Blue and Black

Lesson 23

Sprint

Side A

- | | | | |
|--------|--------|--------|--------|
| 1. 9 | 12. 58 | 23. 15 | 34. 9 |
| 2. 8 | 13. 6 | 24. 85 | 35. 79 |
| 3. 18 | 14. 7 | 25. 3 | 36. 8 |
| 4. 38 | 15. 17 | 26. 4 | 37. 68 |
| 5. 8 | 16. 67 | 27. 24 | 38. 8 |
| 6. 9 | 17. 5 | 28. 2 | 39. 78 |
| 7. 19 | 18. 6 | 29. 3 | 40. 7 |
| 8. 49 | 19. 16 | 30. 33 | 41. 87 |
| 9. 7 | 20. 76 | 31. 1 | 42. 9 |
| 10. 8 | 21. 4 | 32. 2 | 43. 39 |
| 11. 18 | 22. 5 | 33. 42 | 44. 59 |

Side B

- | | | | |
|--------|--------|--------|--------|
| 1. 8 | 12. 68 | 23. 15 | 34. 9 |
| 2. 18 | 13. 6 | 24. 35 | 35. 89 |
| 3. 28 | 14. 7 | 25. 3 | 36. 8 |
| 4. 48 | 15. 17 | 26. 4 | 37. 38 |
| 5. 8 | 16. 77 | 27. 44 | 38. 8 |
| 6. 9 | 17. 5 | 28. 2 | 39. 58 |
| 7. 19 | 18. 6 | 29. 3 | 40. 7 |
| 8. 59 | 19. 16 | 30. 53 | 41. 77 |
| 9. 7 | 20. 86 | 31. 1 | 42. 9 |
| 10. 8 | 21. 4 | 32. 2 | 43. 69 |
| 11. 18 | 22. 5 | 33. 22 | 44. 49 |

Problem Set

1.
 - a. Answer provided
 - b. 26
 - c. 34
 - d. 35
 - e. 53
 - f. 67
 - g. 69
 - h. 69
 - i. 76
 - j. 72
2. $100 - 80 = 20$; $20 + 26 = 46$

Exit Ticket

1. 64
2. 86
3. 94

Homework

1.
 - a. Answer provided.
 - b. 31
 - c. 32
 - d. 65
 - e. 76
 - f. 79
 - g. 76
 - h. 98
2. 62
3. 78

Lesson 24

Problem Set

1.
 - a. 20; 19; 100; 99
 - b. 110; 100; 90
2.
 - a. 64; yes; no
 - b. 116; no; yes
 - c. 73; yes; yes
 - d. 58; yes; yes
 - e. 69; yes; yes
 - f. 109; no; yes
 - g. 12; yes; yes
 - h. 89; yes; yes
 - i. 58; yes; yes
 - j. 76; yes; yes
 - k. 108; no; yes
 - l. 67; yes; yes
3. 78 apples
4.
 - a. 87
 - b. 58 cards

Exit Ticket

1. 83; yes; no
2. 78; yes; yes

Homework

1.
 - a. 30; 29; 100; 99
 - b. 110; 100; 90
2.
 - a. 65; yes; no
 - b. 68; yes; yes
 - c. 49; no; yes
 - d. 147; no; yes
 - e. 77; yes; yes
 - f. 96; yes; yes
 - g. 32; yes; yes
 - h. 33; yes; yes
 - i. 75; yes; yes
 - j. 94; yes; yes
 - k. 85; yes; yes
 - l. 49; yes; yes
3. 86

Lesson 25

Problem Set

- 23
 - 34
 - 88
 - 33
 - 91
 - 89
 - 38
 - 29
- 82 cookies
- Yes; \$68 left over

Exit Ticket

- 28
- 56

Homework

- 27
 - 17
 - 51
 - 53
 - 97
 - 89
 - 16
 - 69
- \$79
- $144 - 88$

Lesson 26

Sprint

Side A

1. 29	12. 84	23. 29	34. 79
2. 38	13. 85	24. 28	35. 29
3. 47	14. 75	25. 27	36. 39
4. 46	15. 25	26. 37	37. 49
5. 45	16. 26	27. 46	38. 59
6. 41	17. 36	28. 55	39. 69
7. 42	18. 47	29. 64	40. 68
8. 52	19. 57	30. 73	41. 58
9. 72	20. 58	31. 74	42. 16
10. 73	21. 68	32. 75	43. 27
11. 83	22. 88	33. 76	44. 28

Side B

1. 19	12. 74	23. 19	34. 69
2. 28	13. 75	24. 18	35. 19
3. 37	14. 85	25. 17	36. 29
4. 36	15. 15	26. 27	37. 39
5. 35	16. 16	27. 36	38. 49
6. 31	17. 26	28. 45	39. 59
7. 32	18. 37	29. 54	40. 58
8. 42	19. 47	30. 63	41. 48
9. 62	20. 48	31. 64	42. 15
10. 63	21. 58	32. 65	43. 26
11. 73	22. 78	33. 66	44. 37

Problem Set

1.
 - a. 118
 - b. 82
 - c. 96
 - d. 89
 - e. 36
2. Tanisha; she failed to take away 4 tens

Exit Ticket

107
39

Homework

1.
 - a. 49
 - b. 83
 - c. 52
 - d. 59
 - e. 58
2. 4; place value chart and chips drawn to model 54

Lesson 27

Sprint

Side A

1. 9	12. 48	23. 18	34. 82
2. 90	13. 6	24. 15	35. 18
3. 89	14. 60	25. 85	36. 40
4. 89	15. 59	26. 30	37. 94
5. 8	16. 59	27. 29	38. 30
6. 80	17. 7	28. 28	39. 93
7. 79	18. 70	29. 25	40. 57
8. 79	19. 65	30. 75	41. 92
9. 5	20. 65	31. 90	42. 41
10. 50	21. 20	32. 89	43. 96
11. 48	22. 19	33. 88	44. 32

Side B

1. 5	12. 88	23. 28	34. 83
2. 50	13. 7	24. 25	35. 17
3. 49	14. 70	25. 75	36. 30
4. 49	15. 69	26. 20	37. 93
5. 8	16. 69	27. 19	38. 40
6. 80	17. 6	28. 18	39. 94
7. 79	18. 60	29. 15	40. 58
8. 79	19. 55	30. 85	41. 96
9. 9	20. 55	31. 90	42. 42
10. 90	21. 30	32. 89	43. 92
11. 88	22. 29	33. 88	44. 33

Problem Set

1.
 - a. 10
 - b. 10
 - c. 10
 - d. 10
2.
 - a. 39
 - b. 21
 - c. 193
 - d. 113
 - e. 74

Exit Ticket

56
124

Homework

1.
 - a. 63
 - b. 51
 - c. 151
 - d. 143
 - e. 117
2. Answers will vary.

Lesson 28

Problem Set

- 53
 - 69
 - 45
 - 77
- 52
- 63 stamps

Exit Ticket

- 29
- 74

Homework

- 42
 - 48
 - 139
 - 93
 - 57
- 64 shells

Lesson 29

Problem Set

1.
 - a. 46
 - b. 93
2.
 - a. 12, 170; 182
 - b. 10, 20, 100; 130
 - c. 6, 90, 100; 196
 - d. 8, 90, 100; 198
 - e. 9, 80, 100; 189
 - f. 9, 90, 100; 199

Exit Ticket

1. 9, 100; 109
2. 11, 70, 100; 181
3. 12, 90, 100; 202
4. 9, 110, 100; 219

Homework

1.
 - a. 15, 60; 75
 - b. 11, 80, 100; 191
 - c. 8, 110, 100; 218
 - d. 9, 110, 100; 219
 - e. 12, 70, 100; 182
 - f. 10, 90, 100; 200
 - g. 10, 100, 100; 210
 - h. 11, 80, 100; 191
2. Solved vertically using totals below
16, 130; 146

Lesson 30

Sprint

Side A

1. 29	12. 84	23. 29	34. 79
2. 38	13. 85	24. 28	35. 29
3. 47	14. 75	25. 27	36. 39
4. 46	15. 25	26. 37	37. 49
5. 45	16. 26	27. 46	38. 59
6. 41	17. 36	28. 55	39. 69
7. 42	18. 47	29. 64	40. 68
8. 52	19. 57	30. 73	41. 58
9. 72	20. 58	31. 74	42. 16
10. 73	21. 68	32. 75	43. 27
11. 83	22. 88	33. 76	44. 28

Side B

1. 19	12. 74	23. 19	34. 69
2. 28	13. 75	24. 18	35. 19
3. 37	14. 85	25. 17	36. 29
4. 36	15. 15	26. 27	37. 39
5. 35	16. 16	27. 36	38. 49
6. 31	17. 26	28. 45	39. 59
7. 32	18. 37	29. 54	40. 58
8. 42	19. 47	30. 63	41. 48
9. 62	20. 48	31. 64	42. 15
10. 63	21. 58	32. 65	43. 26
11. 73	22. 78	33. 66	44. 37

Problem Set

1. Explanations will vary.
2. Solution strategies will vary.
3. Each problem solved two different ways
 - a. 182
 - b. 152
 - c. 121
 - d. 191

Exit Ticket

1. Solution strategies will vary.
2. Explanations will vary.

Homework

1. Explanations will vary.
2.
 - a. Solution strategies will vary.
 - b. Explanations will vary.
3. Solution strategies will vary.

Lesson 31

Problem Set

- 100 tests
- 37 men on a boat
 - 91 people on the boat
- 85 coins
 - 40
- 9 apples

Exit Ticket

- 103 coins
 - 160 coins
- 67 dogs

Homework

- 93 pencils
 - 149 pencils and pens
- 30 tomatoes
- 52 chocolate chip muffins
- \$78