



Answer Key

GRADE 2 • MODULE 1

Sums and Differences to 20

Lesson 1

Sprint

Side A

- | | | |
|--------|--------|--------|
| 1. 11 | 11. 11 | 21. 11 |
| 2. 12 | 12. 13 | 22. 14 |
| 3. 14 | 13. 14 | 23. 15 |
| 4. 13 | 14. 12 | 24. 19 |
| 5. 15 | 15. 13 | 25. 16 |
| 6. 16 | 16. 11 | 26. 16 |
| 7. 10 | 17. 12 | 27. 20 |
| 8. 17 | 18. 10 | 28. 13 |
| 9. 19 | 19. 13 | 29. 12 |
| 10. 20 | 20. 16 | 30. 12 |

Side B

- | | | |
|--------|--------|--------|
| 1. 13 | 11. 11 | 21. 13 |
| 2. 14 | 12. 12 | 22. 14 |
| 3. 11 | 13. 13 | 23. 12 |
| 4. 12 | 14. 11 | 24. 18 |
| 5. 13 | 15. 12 | 25. 17 |
| 6. 14 | 16. 13 | 26. 19 |
| 7. 11 | 17. 14 | 27. 10 |
| 8. 12 | 18. 14 | 28. 13 |
| 9. 13 | 19. 12 | 29. 12 |
| 10. 14 | 20. 11 | 30. 15 |

Problem Set

1. 10, 7, 3
10
10
3
7
10, 1, 9
10
10
9
1
2. $0 + 10 = 10$ circled
 $5 + 5 = 10$ circled
 $3 + 7 = 10$ circled
 $9 + 1 = 10$ circled
 $6 + 4 = 10$ circled
3. 6
4
4
6
4. 4; 3; 10
5. \$4
6. \$10; answers will vary.

Exit Ticket

- 10, 10; answers will vary.
10, 8; answers will vary.
10, 6; answers will vary.
- 10, 9; answers will vary.
10, 7; answers will vary.
10, 5; answers will vary.

Homework

1. $6 + 4 = 10$ circled
 $10 = 3 + 7$ circled
 $5 + 5 = 1 + 9$ circled
 $2 + 8 = 7 + 3$ circled
2.
 - a. 3
 - b. 10
 - c. 5
 - d. 10
 - e. 10
3.
 - a. 10
 - b. 60
 - c. 20
 - d. 70
 - e. 30
 - f. 80
 - g. 40
 - h. 90
 - i. 50
 - j. 100
4. 2, 10, 4
5. \$6
6. \$6; answers will vary.
7. No; answers will vary.

Lesson 2

Problem Set

- 2; 4; 2
- 4; 5; 4; 8; 9
3; 4; 3; 10; 9
- 10; answers will vary.
- 10; 5; 18
10; 9; 2
- Ten-frame cards and number bond drawn
- 15; answers will vary.

Exit Ticket

- 3; 6; 3
- 3; answers will vary.

Homework

- 2; 3; 4
- 2; 4; 5; 7; 8
4; 3; 4; 1; 9
- 18; 5; 19; 5; 14; 9
- 10; 8; 1, 5; 1; 17; 9
- 18; answers will vary.
- 20; answers will vary.

Lesson 3

Sprint

Side A

- | | | |
|--------|--------|--------|
| 1. 5 | 11. 4 | 21. 7 |
| 2. 14 | 12. 13 | 22. 16 |
| 3. 5 | 13. 3 | 23. 7 |
| 4. 14 | 14. 12 | 24. 16 |
| 5. 2 | 15. 3 | 25. 9 |
| 6. 11 | 16. 12 | 26. 18 |
| 7. 2 | 17. 6 | 27. 9 |
| 8. 11 | 18. 15 | 28. 18 |
| 9. 4 | 19. 6 | 29. 8 |
| 10. 13 | 20. 15 | 30. 17 |

Side B

- | | | |
|--------|--------|--------|
| 1. 5 | 11. 4 | 21. 7 |
| 2. 14 | 12. 13 | 22. 16 |
| 3. 5 | 13. 3 | 23. 7 |
| 4. 14 | 14. 12 | 24. 16 |
| 5. 2 | 15. 3 | 25. 9 |
| 6. 11 | 16. 12 | 26. 18 |
| 7. 2 | 17. 6 | 27. 9 |
| 8. 11 | 18. 15 | 28. 18 |
| 9. 4 | 19. 6 | 29. 8 |
| 10. 13 | 20. 15 | 30. 17 |

Problem Set

1. 11, 2, 1; line drawn to $10 + 1$
14, 2, 4; line drawn to $10 + 4$
13, 1, 3; line drawn to $10 + 3$
11, 4, 1; line drawn to $10 + 1$
16, 2, 6; line drawn to $10 + 6$
12, 2, 3; line drawn to $10 + 2$
2. 10; 11; 7; 16; 9; 8
3. a. 12
b. 11
4. Answers will vary.

Exit Ticket

1. Drawings will vary.
2. a. 10
b. 9
c. 4.

Homework

1. Answer provided.
13, 3; 3; line drawn to $10 + 3$
12, 4, 2; line drawn to $10 + 2$
16, 1, 6; line drawn to $10 + 6$
14, 4, 2; line drawn to $10 + 8$
14, 4, 3; line drawn to $10 + 4$
2. a. 15
b. 15
3. a. 10
b. 2
c. 7
d. 7
4. a. 13
b. 16
5. Answers will vary.

Lesson 4

Problem Set

- 15
- 12
- 15
- 11
- 2
- 2
- 19
- 12
- 16
- 16
- 14
- 19
- 6
- 19
- $13 + 7 = 17 + 3$ circled
 $13 - 2 = 10 + 1$ circled
- 20
- 15
- \$40

Exit Ticket

- Answer provided.
- $15; 4 + 1 = 5$
- $18; 5 + 3 = 8$
- $20; 8 + 2 = 10$
- $11; 7 - 6 = 1$
- $26; 9 + 7 = 16$
- $20; 6 + 4 = 10$
- $20; 2 + 8 = 10$

Homework

- 19
- 7
- 19
- 19
- 18
- 18
- 20
- 20
- 10
- 10
- 16
- 14
- 13
- 12
- $17 = 12 + 5$ circled
 $12 + 5 = 15 + 2$ circled
- 7
- Ten-frame cards drawn

Lesson 5

Problem Set

- | | | | |
|----|------------|------------|------------|
| 1. | A | B | C |
| | 8 | 3 | 6 |
| | 9; circled | 4; circled | 7; circled |
| | 10 | 5; circled | 8; circled |
| | 11 | 6; circled | 9; circled |
| | 12 | 7; circled | 10 |
| | 13 | 8; circled | 11 |
| | 14 | 9; circled | 12 |
| | 15 | 10 | 13 |
| | 16 | 11 | 14 |
| | 17 | 12 | 15 |
2. a. 1
b. 4
c. 7
d. 6
e. 3
f. 8
3. 8
4. a. 8
b. 15

Exit Ticket

- | | | | |
|----|---------|----|-------|
| 1. | 10, 5 | 4. | 10, 2 |
| | 1; 6; 6 | | 7, 3 |
| 2. | 10, 4 | | 3, 5 |
| | 4; 8; 8 | | 5 |
| 3. | 10, 1 | | |
| | 8, 2 | | |
| | 2, 3 | | |
| | 3 | | |

Homework

- | | | | |
|----|------------|------------|------------|
| 1. | A | B | C |
| | 7; circled | 5; circled | 4; circled |
| | 8; circled | 6; circled | 5; circled |
| | 9; circled | 7; circled | 6; circled |
| | 10 | 8; circled | 7; circled |
| | 11 | 9; circled | 8; circled |
| | 12 | 10 | 9; circled |
| | 13 | 11 | 10 |
| | 14 | 12 | 11 |
| | 15 | 13 | 12 |
| | 16 | 14 | 13 |
2. a. 4
b. 5
c. 8
d. 6
e. 1
f. 3
3. 9
4. 9

Lesson 6

Sprint

Side A

- | | | |
|--------|--------|--------|
| 1. 12 | 11. 26 | 21. 38 |
| 2. 32 | 12. 31 | 22. 36 |
| 3. 46 | 13. 44 | 23. 40 |
| 4. 25 | 14. 47 | 24. 41 |
| 5. 25 | 15. 38 | 25. 47 |
| 6. 44 | 16. 34 | 26. 48 |
| 7. 23 | 17. 43 | 27. 33 |
| 8. 15 | 18. 35 | 28. 35 |
| 9. 26 | 19. 43 | 29. 47 |
| 10. 47 | 20. 27 | 30. 27 |

Side B

- | | | |
|--------|--------|--------|
| 1. 13 | 11. 35 | 21. 45 |
| 2. 23 | 12. 28 | 22. 39 |
| 3. 34 | 13. 25 | 23. 46 |
| 4. 24 | 14. 47 | 24. 31 |
| 5. 44 | 15. 23 | 25. 28 |
| 6. 32 | 16. 22 | 26. 37 |
| 7. 26 | 17. 32 | 27. 27 |
| 8. 33 | 18. 23 | 28. 38 |
| 9. 26 | 19. 26 | 29. 46 |
| 10. 45 | 20. 37 | 30. 30 |

Problem Set

- | | | | |
|----|-----------------------------|-----|----|
| 1. | 6 | 8. | 42 |
| | 16 | 9. | 77 |
| | 26 | 10. | 82 |
| | Related problems will vary. | 11. | 10 |
| 2. | 2 | 12. | 3 |
| | 32 | 13. | 20 |
| | 52 | 14. | 13 |
| | Related problems will vary. | 15. | 40 |
| 3. | 7 | 16. | 43 |
| 4. | 2 | 17. | 60 |
| 5. | 17 | 18. | 63 |
| 6. | 22 | 19. | 47 |
| 7. | 37 | | |

Exit Ticket

- | | | | |
|----|----------------------------|----|----------------------------|
| 1. | 6 | 3. | 10 |
| | 26 | | 20 |
| | 86 | | 70 |
| | Related problem will vary. | | Related problem will vary. |
| 2. | 2 | | |
| | 32 | | |
| | 72 | | |
| | Related problem will vary. | | |

Homework

- | | | | |
|----|-----------------------------|-----|-----------------------------|
| 1. | 8 | 5. | 7 |
| | 18 | | 37 |
| | 28 | | 77 |
| | Related problems will vary. | | Related problems will vary. |
| 2. | 2 | 6. | 5 |
| | 22 | | 55 |
| | 32 | | 65 |
| | Related problems will vary. | | Related problems will vary. |
| 3. | 7 | 7. | 14 |
| | 47 | | Number bond drawn |
| | 77 | 8. | 25 |
| | Related problems will vary. | | Number bond drawn |
| 4. | 4 | 9. | 43 |
| | 54 | | Number bond drawn |
| | 74 | 10. | 63 |
| | Related problems will vary. | | Number bond drawn |
| | | 11. | 73 |

Lesson 7

Problem Set

- | | | |
|---------------------------------|----------------|-----------|
| 1. 82
Number bonds provided. | 7. a. 10
12 | b. 2
5 |
| 2. 63
50, 8; 2, 3 | 22
52 | 7
2 |
| 3. 60
50, 4 | 72
92 | 5
7 |
| 4. 90
80, 8 | 8. True | |
| 5. 34
20, 6; 4, 4 | 9. True | |
| 6. 54
40, 8; 2, 4 | 10. False | |
| | 11. True | |
| | 12. False | |
| | 13. \$73 | |

Exit Ticket

- | | |
|----------------------|----------------------|
| 1. 32
20, 8; 2, 2 | 3. 36
20, 7; 3, 6 |
| 2. 43
30, 9; 1, 3 | 4. 47
30, 8; 2, 7 |

Homework

- | | |
|------------------------|-------------|
| 1. 82 | 7. 55 |
| Number bonds provided. | 40, 7; 3, 5 |
| 2. 63 | 8. 76 |
| 50, 8; 2, 3 | 60, 8; 2, 6 |
| 3. 42 | 9. 97 |
| 30, 6; 4, 2 | 80, 9; 1, 7 |
| 4. 33 | 10. 86 |
| 20, 6; 4, 3 | 70, 7; 3, 6 |
| 5. 32 | 11. True |
| 20, 3; 7, 2 | 12. True |
| 6. 53 | 13. False |
| 40, 4; 6, 3 | 14. True |
| | 15. False |
| | 16. 55 |

Lesson 8

Sprint

Side A

- | | | |
|--------|--------|--------|
| 1. 10 | 11. 13 | 21. 15 |
| 2. 10 | 12. 13 | 22. 15 |
| 3. 1 | 13. 10 | 23. 14 |
| 4. 11 | 14. 14 | 24. 14 |
| 5. 11 | 15. 13 | 25. 15 |
| 6. 11 | 16. 10 | 26. 16 |
| 7. 11 | 17. 12 | 27. 16 |
| 8. 12 | 18. 12 | 28. 16 |
| 9. 13 | 19. 13 | 29. 16 |
| 10. 13 | 20. 14 | 30. 17 |

Side B

- | | | |
|--------|--------|--------|
| 1. 10 | 11. 13 | 21. 14 |
| 2. 10 | 12. 13 | 22. 14 |
| 3. 2 | 13. 10 | 23. 14 |
| 4. 11 | 14. 14 | 24. 14 |
| 5. 11 | 15. 12 | 25. 14 |
| 6. 11 | 16. 10 | 26. 16 |
| 7. 11 | 17. 12 | 27. 16 |
| 8. 11 | 18. 12 | 28. 16 |
| 9. 12 | 19. 12 | 29. 17 |
| 10. 13 | 20. 13 | 30. 17 |

Problem Set

- | | |
|--|--|
| 1. Answer provided.
Number bond provided. | 10. 13
12, 10 |
| 2. 33
Number bond provided. | 11. 61
60, 10 |
| 3. 12
10, 10 | 12. 62
61, 10 |
| 4. 13
11, 10 | 13. 35
30, 10 |
| 5. 22
20, 10 | 14. 37
32, 10 |
| 6. 24
22, 10 | 15. a. 50, 10 |
| 7. 82
80, 10 | 16. 70, 6, 64 |
| 8. 83
81, 10 | 17. 53; pictures and number sentences will vary. |
| 9. 11
10, 10 | 18. Drawings will vary. |

Exit Ticket

- | | |
|-----------------|-----------------|
| 1. 12
10, 10 | 3. 13
11, 10 |
| 2. 55
50, 10 | 4. 57
52, 10 |

Homework

- | | |
|--|--|
| 1. Answer provided.
Number bond provided. | 10. 63
61, 10 |
| 2. 33
Number bond provided. | 11. 32
30, 10 |
| 3. 7
No bond necessary. | 12. 34
32, 10 |
| 4. 8
1, 10 | 13. 53
50, 10 |
| 5. 15
10, 10 | 14. 54
51, 10 |
| 6. 16
11, 10 | 15. 71
70, 10 |
| 7. 43
40, 10 | 16. 73
72, 10 |
| 8. 45
42, 10 | 17. d. 30, 10 |
| 9. 62
60, 10 | 18. 41, 3, 38 |
| | 19. 17; pictures and number sentences will vary. |