



Answer Key

GRADE K • MODULE 4

Number Pairs, Addition, and Subtraction to 10

Lesson 1

Problem Set

2 light butterflies drawn; 3 dark butterflies drawn; 5 butterflies drawn in all

1 light butterfly drawn; 3 dark butterflies drawn; 4 butterflies drawn in all

2; 3

2 circles drawn in one part; 3 circles drawn in the other part

Homework

1 blue fish drawn; 2 orange fish drawn 3 fish drawn in all; 1, 2, 3

5 squares drawn; 3 squares drawn; two squares drawn; 3, 2, 5

Lesson 2

Problem Set

4 squares colored gray; 1 square colored black; squares drawn in number bond

Fingers of left hand colored gray; thumb colored black

4; 1; 5

Homework

Answers will vary.

Answers will vary.

Lesson 3

Sprint

5	5
4	4
3	3
2	2
1	1
0	0
1	4
2	3
3	2
4	0

Problem Set

3 shaded smiley faces drawn; 2 unshaded smiley faces drawn; 2, 3

1 triangle drawn; two squares drawn; 1 triangle and two squares drawn; 1, 2, 3

5; 3; 2

Answers will vary.

Homework

3

1; 4

2; 3; 5

5; 1; 4

Answers will vary.

Lesson 4

Fluency Template

Lines traced to make 4

Lines traced to make 4

Lines traced to make 4

Lines traced to make 4

Problem Set

Answers will vary to make 5.

Answers will vary to make 4.

Answers will vary.

Homework

2, 1; 3

4, 3, 1; 3, 1

Answers will vary.

Lesson 5

Fluency Template

Lines drawn to make a number bond for 5

Lines drawn to make a number bond for 5

Lines drawn to make a number bond for 5

Lines drawn to make a number bond for 5

Problem Set

3; 5

Answers will vary.

3; 1; 2

Answers will vary.

Homework

2, 2, 4; 2, 2, 4

Answers will vary.

Lesson 6

Sprint

- | | |
|------|-------|
| 1. 1 | 6. 3 |
| 2. 1 | 7. 3 |
| 3. 1 | 8. 4 |
| 4. 2 | 9. 0 |
| 5. 2 | 10. 4 |

Problem Set

Answers will vary.

Answers will vary.

Answers will vary.

Line drawn from 1st cube stick to last number bond

Line drawn from 2nd cube stick to first number bond

Line drawn from 3rd cube stick to second number bond

Line drawn from 4th cube stick to third number bond

Homework

3 balls drawn; 1

4 crayons drawn; answers will vary

Answers will vary.

Picture and number bond drawn on back of paper

Lesson 7

Problem Set

Answers will vary.

Answers will vary.

Homework

Answers will vary.

6 presents drawn and sorted into 2 groups; correct number bond drawn

Lesson 8

Problem Set

2, 7; 2, 5, 7

4 squares colored one color; 3 squares colored a different color

1 square colored one color; 6 squares colored a different color

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Homework

4 circles and 3 triangles drawn; 7, 4, 3; 7, 4, 3

5 squares colored one color; 2 squares drawn a different color

Answers will vary.

7 shapes drawn; number bond and number sentence completed to match the drawing

Lesson 9

Problem Set

4; 4

7 dots drawn; 1, 7

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Homework

4; 4

8; 7; 1

Answers will vary.

Number bonds for 4, 5, 6, and 7 drawn on back of paper. Answers will vary.

Lesson 10

Sprint

- | | |
|------|-------|
| 1. 1 | 6. 3 |
| 2. 1 | 7. 4 |
| 3. 2 | 8. 0 |
| 4. 2 | 9. 5 |
| 5. 3 | 10. 5 |

Problem Set

7; 6; 1

7; 5; 2

7; 4; 3

7; 3; 4

7; 2; 5

7; 1; 6

Answers will vary.

Answers will vary.

Answers will vary.

Homework

7 squares colored green; 1 square colored blue; 8, 7, 1; 8, 7, 1

6 squares colored green; 2 squares colored blue; 8, 6, 2; 8, 6, 2

Answers will vary.

4 squares colored green; 4 squares colored blue; 8, 4, 4; 4, 4, 8

3 squares colored green; 5 squares colored blue; 8, 3, 5; 3, 5, 8

Answers will vary.

Lesson 11

Problem Set

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Homework

5 squares colored green; 1 square colored blue; 5, 1; 5, 1

5 squares colored green; 2 squares colored blue; 7, 5, 2; 5, 7

4 squares colored green; 3 squares colored blue; 7, 4, 3; 7, 4

4 squares colored green; 4 blue squares colored blue; 8, 4, 4; 8, 4, 4

3 squares colored green; 5 squares colored blue; 8, 3, 5; 8, 3, 5

2 squares colored green; 6 squares colored blue; 8, 2, 6; 2, 6, 8

Lesson 12

Fluency

1	1
2	2
3	3
4	2
1	2
2	1
3	1

Problem Set

3 boxes are colored; 3; 3

2 boxes are colored; 2, 7; 2, 7

6 squares are colored; 1, 6; 5, 1, 6

1 square drawn; 5, 1

2 squares drawn; 5, 2

3 squares drawn; 8, 5, 3

Homework

5; 5

5 squares colored blue in first row; 2 squares colored red in second row; 7, 2; 7, 2

8 squares colored; 8, 3; 8, 3

8 squares colored; 5, 3

9 squares colored; 9, 5, 4; 4

Lesson 13

Fluency Practice

1	1
2	2
3	4
5	3
1	3
4	2
5	2

Problem Set

5, 1; 5, 1; 5, 1

6, 2, 4; 6, 2, 4

6; 6

6 monkeys drawn; 6, 4, 2; 2, 4, 6

Answers will vary.

Homework

6, 4, 2; 6, 4, 2; 6, 4, 2

3, 3, 6; 3, 3, 6; 3, 3, 6

Lesson 14

Sprint

- | | |
|------|-------|
| 1. 1 | 8. 5 |
| 2. 2 | 9. 5 |
| 3. 2 | 10. 5 |
| 4. 2 | 11. 6 |
| 5. 3 | 12. 6 |
| 6. 4 | 13. 6 |
| 7. 4 | |

Problem Set

7; 7, 5, 2

7; 1, 6, 7

7; 7, 2, 5

7; 4, 3

4 cubes colored; 7, 4, 3

Answers will vary.

Homework

7, 3, 4; 3, 4, 7; 7, 4, 3

7, 5, 2; 5, 2, 7

Answers will vary.

Lesson 15

Problem Set

8, 4, 4; 4, 4, 8

8, 5, 3; 5, 3, 8

6, 2, 8; 8, 6, 2

1 triangle circled; 7 squares circled; 1, 7, 8; 8, 1, 7

Answers will vary.

Answers will vary.

Homework

8, 5, 3; 5, 3, 8; 8, 5, 3

8, 4, 4; 4, 4, 8; 4, 4, 8

Lesson 16

Sprint

- | | |
|------|-------|
| 1. 1 | 8. 5 |
| 2. 2 | 9. 5 |
| 3. 2 | 10. 6 |
| 4. 3 | 11. 6 |
| 5. 3 | 12. 7 |
| 6. 4 | 13. 7 |
| 7. 4 | |

Problem Set

Box drawn around snakes; mystery box traced; 6

Box drawn around turtles; mystery box drawn; 7

1 present drawn; mystery box drawn; 8

7 children drawn; box drawn around children; 7

8 frogs drawn; box drawn around frogs; box drawn around answer; 8

Homework

7

Box drawn; 6

7 balls drawn in box; girl drawn putting 1 more ball in box; balls circled; box drawn for answer; 8

Lesson 17

Problem Set

4 balloons colored green; 3 balloons colored orange; 4, 3, 7; 7, 3, 4

6 stars colored yellow; 2 stars colored blue; 6, 2, 8; 8, 6, 2

5, 1, 6; 6, 1, 5

3 squares and 3 triangles drawn; 3, 3, 6; 6, 3, 3

5 purple and 3 orange squares drawn; 5, 3, 8; 8, 5, 3

Homework

7, 5, 2; 5, 2, 7

8, 6, 2; 6, 2, 8

Answers will vary.

Lesson 18

Sprint

- | | |
|------|-------|
| 1. 1 | 9. 3 |
| 2. 1 | 10. 3 |
| 3. 1 | 11. 3 |
| 4. 1 | 12. 4 |
| 5. 2 | 13. 4 |
| 6. 2 | 14. 0 |
| 7. 2 | 15. 0 |
| 8. 2 | |

Problem Set

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Homework

Answers will vary.

Answers will vary.

Lesson 19

Problem Set

3 mice crossed out; 1

2 worms crossed out; 3

5 flies crossed out; 2

4 bananas crossed out; 4

6 balls drawn; 3 crossed out; 3

5 butterflies drawn; 1 crossed out; 4

Homework

1 train crossed out; 4

2 horses crossed out; 3

4 ducks crossed out; 1

7 apples drawn in tree; 1 crossed out; 6

Lesson 20

Fluency Practice

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

Problem Set

Line drawn from mice to correct number sentence

- 1 bear crossed off
- 2 bears crossed off
- 4 bears crossed off
- 3 bears crossed off
- 1 bear crossed off
- 2 bears crossed off

Homework

Line drawn from stick to correct number sentence

Answers will vary.

Lesson 21

Problem Set

1 scoop crossed out; 3

2 scoops crossed out; 2

3 bottles crossed out; 1

5 erasers drawn; 4 erasers crossed out; 1

5 grapes drawn; 3 grapes crossed out; 5; 3; 2

Homework

1 apple crossed out; 4; 4

5 oranges drawn; 2 oranges crossed off; 3; 5, 2, 3

Lesson 22

Sprint A

3	5
3	5
4	3, 1 or 2, 2
4	1, 4 or 2, 3

Sprint B

2	5
3	5
4	1, 2
4	1, 4 or 2, 3

Problem Set

3 hats crossed out; 3, 3; 3, 3

4 squares crossed out; 4, 2; 4, 2

2 circles crossed out; 6, 2, 4; 2, 4

1 hat crossed out; 1, 5

5 snowflakes crossed out; 5, 1

2 snowflakes crossed out; 2, 4

Homework

2 books crossed out; 2, 4; 2, 4

6 stars drawn; 4 stars crossed out; 2, 4, 6; 6, 4, 2

6 objects drawn; 5 objects crossed out; 1, 5, 6; 6, 5, 1

Answers will vary.

Lesson 23

Problem Set

2 dots crossed out; 5; number 2 crossed out

5 dots crossed out; 2; 2; number 5 crossed out

4 dots crossed out; 3; 4 crossed out; 3; number 4 crossed out

7 dots drawn; 2 dots crossed out; 5; 5

7 dots drawn in 5-group; 3 dots crossed out; 3, 4; 3, 4

7 dots drawn in 5-group; 4 dots crossed out; 7, 4, 3; 7, 4, 3

Homework

5 dots crossed out; 5, 2; 5, 2

7 dots drawn; 3 dots crossed out; 3, 4; 3, 4

7 dots drawn in 5-group; 4 dots crossed out; 4, 3; 4, 3

Answers will vary.

Lesson 24

Problem Set

3 dots crossed off; 3, 5; 3, 5

5 dots crossed off; 8, 5, 3; 5, 3

1 dot crossed off; 8, 1, 7; 1, 7

8 dots drawn; 1 dot crossed off; 8, 1, 7; 1, 7

8 dots drawn in 5-group; 7 dots crossed off; 8, 7, 1; 7, 1

8 dots drawn in 5-group; answers will vary

Homework

2 squares crossed off; 2, 6; 2, 6

4 squares crossed off; 4, 4; 4, 4

Answers will vary.

Answers will vary.

Lesson 25

Problem Set

Answers will vary.

Answers will vary.

Answers will vary; 9 written in whole part of number bond

Answers will vary; 9 written in whole part of number bond

Answers will vary; 9 written in whole part of number bond

Answers will vary; 9 written in whole part of number bond

Homework

Answers will vary.

Answers will vary, 9 written in whole part of number bond

Answers will vary, 9 written in whole part of number bond

Answers will vary, 9 written in whole part of number bond

Lesson 26

Problem Set

Line drawn to number bond showing that 7 and 2 make 9

Line drawn to number bond showing that 8 and 1 make 9; 1

Line drawn to number bond showing that 3 and 6 make 9; 6

Line drawn to number bond showing that 4 and 5 make 9

Cube sticks drawn and colored to show 5 and 4 make 9

Cube stick drawn and colored to show 1 and 8 make 9; 1

Answers will vary.

Homework

Yes circled

No circled

Yes circled

4; 5

Number bond completed that shows that 7 and 2 make 9

Number bond completed that shows that 4 and 5 make 9

Number bond completed that shows that 2 and 7 make 9

Lesson 27

Problem Set

4; 6

5 glasses colored green; 5 glasses colored purple; 10, 5, 5

Answers will vary.

Answers will vary.

Answers will vary.

Homework

5 beads colored blue; 5 beads colored green; 5, 5, 10

Answers will vary.

Answers will vary.

Answers will vary.

Lesson 28

Problem Set

Line drawn to number bond showing that 8 and 2 make 10; 2

Line drawn to number bond showing that 9 and 1 make 10; 1

Line drawn to number bond showing that 3 and 7 make 10

Line drawn to number bond showing that 5 and 5 make 10

10 cubes drawn; 5 cubes colored

10 cubes drawn; 4 cubes colored

Answers will vary.

Homework

5

1; 6

3; 7; 10

10; 4; 6

10; 2; 8

Answers will vary.

Lesson 29

Core Fluency Practice

Set A

2	5
5	4
3	4
4	4
5	5
3	5
4	5
5	4

Set B

2	1,1
5	1,2 or 2,1
3	4
5	4
4	1,2 or 2,1
3	5
5	1, 3 or 3, 1 or 2, 2
5	1, 3 or 3, 1 or 2, 2

Set C

4	1
3	2
2	3
1	2
3	1
1	1
1	2
2	3

Set D

4	1
3	2
2	3
1	2
3	1
1	1
1	2
2	3

Set E

2	1
1	5
4	3
3	2
4	3
5	3
2	4
5	2

Problem Set

7, 2; 7, 2

9 peas and carrots drawn the 5-group way; 6, 3

9 black and tan circles drawn the 5-group way; 5, 4, 9

8 red marbles and 1 green marble drawn the 5-group way; 8, 1, 9; 9, 8, 1

Homework

6, 1; 6, 1

7, 2, 9; 7, 2, 9

Hockey pucks and stick drawn the 5-group way; 9, 8, 1

Strawberries and grapes drawn the 5-group way; 5, 4, 9

Lesson 30

Problem Set

7, 3; 3, 7

4, 6, 10; number bond showing that 4 and 6 make 10

5 green balloons and 5 blue balloons drawn the 5-group way; 10, 5, 5; 5, 5, 10

10 balls drawn the 5-group way; 8, 2, 10; 10, 8, 2

Homework

6, 4; 6, 4

Animals drawn the 5-group way; number bond showing 5 and 5 make 10; 5, 5, 10

3

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Lesson 31

Core Fluency Sprints

Set A

1. 3	11. 5
2. 2	12. 4
3. 5	13. 4
4. 4	14. 3
5. 4	15. 5
6. 5	16. 5
7. 3	17. 6
8. 5	18. 7
9. 5	19. 1
10. 4	20. 5

Set C

1. 3	11. 5
2. 1	12. 1
3. 4	13. 4
4. 2	14. 4
5. 5	15. 5
6. 3	16. 5
7. 2	17. 0
8. 0	18. 5
9. 4	19. 1
10. 0	20. 4

Set B

1. 1	11. 2
2. 3	12. 2
3. 4	13. 2
4. 2	14. 3
5. 1	15. 3
6. 2	16. 1
7. 2	17. 4
8. 3	18. 5
9. 1	19. 1
10. 1	20. 0

Set D

1. 3	11. 3
2. 5	12. 5
3. 4	13. 2
4. 4	14. 4
5. 5	15. 3
6. 2	16. 1
7. 2	17. 4
8. 3	18. 3
9. 5	19. 1
10. 1	20. 0

Problem Set

6 round crackers and 3 square crackers drawn; $6 + 3 = 9$

10 crayons drawn; $9 + 1 = 10$

3 red and 7 purple pieces of paper drawn; $3 + 7 = 10$

5 squares and 4 rectangles drawn; $5 + 4 = 9$

Homework

7 chocolate and 2 sugar cookies drawn; $7 + 2 = 9$

4 apple juice and 5 orange juice boxes drawn; $4 + 5 = 9$

5 celery sticks and 5 carrot sticks drawn; $5 + 5 = 10$

Answers will vary.

Lesson 32

Problem Set

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Answers will vary.

Extra Practice

5 robots colored one color; 5 robots colored another color

6 robots colored one color; 4 robots colored another color

7 robots colored one color; 3 robots colored another color

8 robots colored one color; 2 robots colored another color

9 robots colored one color; 1 robots colored another color

Homework

9 hats drawn the 5-group way; answers will vary

10 pencils drawn the 5-group way; answers will vary

Answers will vary.

Answers will vary.

Lesson 33

Problem Set

7; 2; 5

9; 7; 2

10; 6; 4

Pictures will vary; 10, 5, 5

Pictures will vary; 9, 3, 6

Homework

2 bears crossed out; 2, 8; number bond showing 2 and 8 make 10

9 bears crossed out; 10, 9, 1; number bond showing 9 and 1 make 10

3 bears crossed out; 10, 3, 7

Lines drawn from the picture to the correct number sentence

Lesson 34

Problem Set

7; 7

1, 9

9, 6, 3; 6, 3

Line drawn after 5 cubes of the 9-cube stick; 9, 4, 5; 4, 5

10 grapes drawn, 6 crossed off; 10, 6, 4; 4, 10

10 bones drawn, 8 crossed off; 10, 8, 2; 8, 2

Homework

2 penguins crossed out; 6; 6, 2

Line drawn after 3 cubes; 7, 4, 3; 4, 3

Answers will vary.

4 2

5 4

1 2

4 3

Lesson 35

Problem Set

5 circles crossed off; number bond filled out to show 5 and 4 make 9; 9, 5, 4

4 circles crossed off; number bond filled out to show 4 and 5 make 9; 9, 4, 5

9 stars drawn the 5-group way; 3 stars crossed out; number bond filled out to show 6 and 3 make 9; 9, 3, 6

9 granola bars drawn the 5-group way; 8 crossed out; number bond filled out to show 1 and 8 make 9; 9, 8, 1

1; 1; 1; 1

Homework

1 circle crossed out; number bond filled out to show 1 and 8 make 9; 9, 1, 8

3 circles crossed out; number bond filled out to show 3 and 6 make 9; 9, 3, 6

9 pencils drawn the 5-group way; 7 pencils crossed out; number bond filled out to show 7 and 2 make 9; 9, 7, 2

9 balls drawn; 5 balls crossed out; number bond filled out to show 5 and 4 make 9; 9, 5, 4

3; 2; 1; 1

Lesson 36

Problem Set

5 blueberries crossed off; number bond filled in to show 5 and 5 make 10; 10, 5, 5

1 circle crossed off; number bond filled in to show 1 and 9 make 10; 10, 1, 9

10 hats drawn the 5-group way; 7 hats crossed out; number bond filled in to show that 7 and 3 make 10; 10, 7, 3

10 juice boxes drawn; 3 boxes crossed out; number bond filled out to show 3 and 7 make 10; 10, 3, 7

4; 3; 2; 1

Homework

2 circles crossed off; number bond filled out to show 2 and 8 make 10; 10, 2, 8

6 circles crossed off; number bond filled out to show 6 and 4 make 10; 10, 6, 4

10 butterflies drawn the 5-group way; 9 butterflies crossed out; number bond filled out to show that 9 and 1 make 10; 10, 9, 1

10 toy cars drawn; 4 cars crossed out; number bond filled out to show 4 and 6 make 10; 10, 4, 6

2; 3; 1; 4

Lesson 37

Fluency Template 1

$4 + 1 = 5$	Answers may vary; equals 5
$3 + 2 = 5$	Answers may vary; equals 5
$2 + 3 = 5$	Answers may vary; equals 5
$1 + 4 = 5$	Answers may vary; equals 5
$1 + 4 = 5$	Answers may vary equals 5
$2 + 3 = 5$	Answers may vary; equals 5
$3 + 2 = 5$	Answers may vary; equals 5

Fluency Template 2

1
2
3
0
2,2
2,3

Problem Set

5; 3

7, 2, 5; 5, 2, 7

4, 3, 7; 7, 3, 4

8, 0, 8; 6, 0, 6

2; 2; 4; 3

Homework

5, 3, 8; number bond filled out to show that 5 and 3 make 8

8, 3, 5; number bond filled out to show that 3 and 5 make 8

9, 0, 9; number bond filled out to show that 9 and 0 make 9

8, 0, 8; number bond filled out to show that 8 and 0 make 8

1; 2; 3; 4

5; 4; 3; 2

Lesson 38

Problem Set

2; 2 circles colored two different colors

3; 2 circles colored one color, 1 circle colored another color

4; 3 circles colored one color, 1 circle colored another color

5; 4 circles colored one color, 1 circle colored another color

6; 5 circles colored one color, 1 circle colored another color

7; 6 circles colored one color, 1 circle colored another color

8; 7 circles colored one color, 1 circle colored another color

9; 8 circles colored one color, 1 circle colored another color

10; 9 circles colored one color, 1 circle colored another color

Answers will vary.

Homework

9 squares colored green, 1 square colored blue; 9, 1, 10; number bond filled out to show that 9 and 1 make 10

8 squares colored green, 1 square colored blue; 8, 1, 9

7 squares colored green, 1 square colored blue; 7, 1, 8; number bond filled out to show that 7 and 1 make 8

2 squares colored green, 1 square colored blue; 2, 1, 3; number bond filled out to show that 2 and 1 make 3

1 square colored green, 1 square colored blue; 1, 1, 2

1 square colored blue; 0, 1, 1; number bond filled out to show that 0 and 1 make 1

3; 2; 1; 0

Lesson 39

Problem Set

1 dot drawn, number bond showing 9 and 1 make 10; 9 dots drawn, number bond showing 1 and 9 make 10

2 dots drawn, number bond showing 8 and 2 make 10; 8 dots drawn, number bond showing 2 and 8 make 10

5 dots drawn, number bond showing 5 and 5 make 10

6 dots drawn, number bond showing 4 and 6 make 10; 4 dots drawn, number bond showing 6 and 4 make 10

7 dots drawn, number bond showing 3 and 7 make 10; 3 dots drawn, number bond showing 7 and 3 make 10

10; 10; 10; 10

Homework

6 dots drawn; line drawn to number bond showing 4 and 6 make 10

9 dots drawn; line drawn to number bond showing 1 and 9 make 10

2 dots drawn; line drawn to number bond showing 8 and 2 make 10

3 dots drawn; line drawn to number bond showing 7 and 3 make 10

Lesson 40

Fluency Template

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

Practice Sheet

Answers will vary.

Problem Set

2 dots drawn; 8, 2

9 dots are drawn; 1, 9

5 dots drawn; 5, 5

6 dots are drawn; 4, 6

8 dots drawn; 2, 8

7 dots are drawn; 3, 7

4 dots drawn; 6, 4

3 dots are drawn; 7, 3

Answers will vary.

Homework

2 boxes colored red and 8 boxes colored blue the 5-group way; 2, 8, 10

5 cubes colored red and 5 cubes colored blue the 5-group way; 5, 5, 10

7 cubes colored red and 3 colored blue the 5-group way; 7, 3, 10

Match number sentence to shaded cubes.

Lesson 41

Homework

6 blocks colored blue, 4 blocks colored red; 10, 6, 4; number bond filled out to show that 6 and 4 make 10

Answers will vary.

Answers will vary.

Answers will vary.

2	3
3	4
4	5
5	5
6	5