



## Answer Key

# GRADE 4 • MODULE 1

## Place Value, Rounding, and Algorithms for Addition and Subtraction

## Lesson 1

### Sprint

#### Side A

- |        |         |        |         |
|--------|---------|--------|---------|
| 1. 20  | 12. 70  | 23. 10 | 34. 8   |
| 2. 30  | 13. 80  | 24. 2  | 35. 7   |
| 3. 40  | 14. 90  | 25. 3  | 36. 9   |
| 4. 50  | 15. 100 | 26. 10 | 37. 6   |
| 5. 10  | 16. 8   | 27. 5  | 38. 8   |
| 6. 2   | 17. 7   | 28. 1  | 39. 110 |
| 7. 3   | 18. 9   | 29. 2  | 40. 11  |
| 8. 5   | 19. 6   | 30. 3  | 41. 3   |
| 9. 1   | 20. 10  | 31. 6  | 42. 12  |
| 10. 4  | 21. 5   | 32. 7  | 43. 140 |
| 11. 60 | 22. 1   | 33. 9  | 44. 14  |

#### Side B

- |         |        |        |           |
|---------|--------|--------|-----------|
| 1. 10   | 12. 60 | 23. 2  | 34. 7     |
| 2. 20   | 13. 70 | 24. 10 | 35. 8     |
| 3. 30   | 14. 80 | 25. 3  | 36. 9     |
| 4. 40   | 15. 90 | 26. 2  | 37. 6     |
| 5. 50   | 16. 7  | 27. 1  | 38. 7     |
| 6. 3    | 17. 6  | 28. 10 | 39. 110   |
| 7. 2    | 18. 8  | 29. 5  | 40. 11    |
| 8. 4    | 19. 10 | 30. 3  | 41. 1,200 |
| 9. 1    | 20. 9  | 31. 3  | 42. 12    |
| 10. 5   | 21. 1  | 32. 4  | 43. 130   |
| 11. 100 | 22. 5  | 33. 9  | 44. 13    |

**Problem Set**

1.
  - a. Chart accurately labeled; 30; 30; disks accurately drawn
  - b. Chart accurately labeled; 20; 200; disks accurately drawn
  - c. Chart accurately labeled; 40; 4,000; disks accurately drawn
2.
  - a. 10
  - b. 3; 3
  - c. Ten times as many
  - d. 2; explanations will vary.
3. 300; explanations will vary.
4. \$8,000; explanations will vary.
5.
  - a. 8
  - b. 40
  - c. 50
  - d. 10 times as many
6. 10

**Exit Ticket**

1. Chart accurately labeled
2. 4 hundreds; 40 hundreds; 4 thousands
3. 4 thousands is 10 times as many as 4 hundreds.

**Homework**

1.
  1. Chart accurately labeled; 40; 40; disks accurately drawn
  6. Chart accurately labeled; 20; 200; disks accurately drawn
  7. Chart accurately labeled; 50; 5,000; disks accurately drawn
2.
  - a. 10; 1
  - b. 6; 6
  - c. 10 times as many
  - d. 40; explanations will vary.
3. 600 GB; explanations will vary.
4. \$2,000; explanations will vary.
5.
  - a. 12
  - b. 90
  - c. 70
  - d. 10 times as many
6. 10

## Lesson 2

### Problem Set

- Chart accurately labeled; 20; 2 ten thousands; disks accurately drawn
  - Chart accurately labeled; 30; 3 hundred thousands; disks accurately drawn
  - Chart accurately labeled; 40; 4 hundreds; disks accurately drawn
- 60 tens; 600  
70 hundreds; 7,000  
3 hundreds; 300  
6 thousands; 6,000  
40 thousands; 40,000
- 4 hundreds 3 tens; 430  
2 thousands 3 hundreds; 2,300  
7 ten thousands 8 thousands; 78,000  
6 hundreds 4 ones; 604  
4 thousands 3 ones; 4,003
- Explanations will vary; chart proves answer.
- Explanations will vary; chart proves answer.
- \$24,600
- 4,590
- 900,000
  - The population of Planet Ruba is 10 times as many as Planet Zamba.

### Exit Ticket

- 406,000
  - 802
- \$395,800

**Homework**

1.
  - a. Chart accurately labeled; 40; 4 ten thousands; disks accurately drawn
  - b. Chart accurately labeled; 40; 4 hundreds; disks accurately drawn
2. 30 tens; 300  
50 hundreds; 5,000  
9 thousands; 9,000  
70 thousands; 70,000
3. 2 hundreds 1 tens; 210  
5 thousands 5 hundreds; 5,500  
2 hundreds 7 ones; 207  
4 thousands 8 tens; 4,080
4.
  - a. \$9,500
  - b. \$95

## Lesson 3

### Sprint

#### Side A

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

#### Side B

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

**Problem Set**

- 1,234
  - 12,345
  - 123,456
  - 1,234,567
  - 12,345,678,901
- 100  
1,000  
1,000,000  
12,000
- Disks accurately drawn; 5,100
  - Disks accurately drawn; 251,000
- Disks or numbers accurately represented;  
30,000; 30
  - Disks or numbers accurately represented;  
320,000; 320
  - Disks or numbers accurately represented;  
321,040; 321
- Disks or numbers prove equivalency

**Exit Ticket**

- 9,304
  - 62,789
  - 108,953
- 27,300 accurately written; 27

**Homework**

- 4,321
  - 54,321
  - 224,466
  - 2,224,466
  - 10,010,011,001
- 100  
1,000  
12,000
- Disks accurately drawn; 3,200
  - Disks accurately drawn; 152,000
- Disks or numbers accurately represented;  
50,000; 50
  - Disks or numbers accurately represented;  
440,000; 440
  - Disks or numbers accurately represented;  
273,050; 273
- Disks or numbers prove equivalent amounts

## Lesson 4

### Problem Set

- Units accurately labeled; 90,523 written in chart
  - Ninety thousand, five hundred twenty-three
  - $90,000 + 500 + 20 + 3$
- Units accurately labeled; 905,203 written in chart
  - Nine hundred five thousand, two hundred three
  - $900,000 + 5,000 + 200 + 3$
- 2,480;  $2,000 + 400 + 80$

20,482; twenty thousand, four hundred eighty-two

64,106;  $60,000 + 4,000 + 100 + 6$

Six hundred four thousand, sixteen;  $600,000 + 4,000 + 10 + 6$

Nine hundred sixty thousand, sixty;  $900,000 + 60,000 + 60$
- Both ways of reading 4,400 are acceptable; explanations will vary.

### Exit Ticket

- Units accurately labeled
  - 806,302 written in chart  
Eight hundred six thousand, three hundred two
- $100,000 + 60,000 + 500 + 80 + 2$



**Homework**

1.
  - a. Units accurately labeled; 50,679 written in chart
  - b. Fifty thousand, six hundred seventy-nine
  - c.  $50,000 + 600 + 70 + 9$
2.
  - a. Units accurately labeled; 506,709 written in chart
  - b. Five hundred six thousand, seven hundred nine
  - c.  $500,000 + 6,000 + 700 + 9$
3. 

5,370;  $5,000 + 300 + 70$

50,372; fifty thousand, three hundred seventy-two

39,701;  $30,000 + 9,000 + 700 + 1$

Three hundred nine thousand, seventeen;  $300,000 + 9,000 + 10 + 7$

Seven hundred seventy thousand, seventy;  $700,000 + 70,000 + 70$
4. Answers and explanations will vary.

## Lesson 5

### Sprint

#### Side A

- |        |        |        |        |
|--------|--------|--------|--------|
| 1. 4   | 12. 28 | 23. 40 | 34. 36 |
| 2. 4   | 13. 28 | 24. 36 | 35. 16 |
| 3. 8   | 14. 32 | 25. 16 | 36. 12 |
| 4. 8   | 15. 32 | 26. 32 | 37. 8  |
| 5. 12  | 16. 36 | 27. 12 | 38. 28 |
| 6. 12  | 17. 36 | 28. 28 | 39. 32 |
| 7. 16  | 18. 40 | 29. 24 | 40. 44 |
| 8. 20  | 19. 40 | 30. 40 | 41. 44 |
| 9. 20  | 20. 12 | 31. 20 | 42. 48 |
| 10. 24 | 21. 4  | 32. 24 | 43. 48 |
| 11. 24 | 22. 8  | 33. 4  | 44. 52 |

#### Side B

- |        |        |        |        |
|--------|--------|--------|--------|
| 1. 4   | 12. 28 | 23. 36 | 34. 16 |
| 2. 4   | 13. 28 | 24. 12 | 35. 36 |
| 3. 8   | 14. 32 | 25. 32 | 36. 8  |
| 4. 8   | 15. 32 | 26. 16 | 37. 28 |
| 5. 12  | 16. 36 | 27. 28 | 38. 12 |
| 6. 12  | 17. 36 | 28. 20 | 39. 32 |
| 7. 16  | 18. 40 | 29. 24 | 40. 44 |
| 8. 20  | 19. 40 | 30. 20 | 41. 44 |
| 9. 20  | 20. 4  | 31. 40 | 42. 48 |
| 10. 24 | 21. 40 | 32. 4  | 43. 48 |
| 11. 24 | 22. 8  | 33. 24 | 44. 52 |

**Problem Set**

- Units accurately labeled; disks accurately drawn;  $>$
  - Units accurately labeled; disks accurately drawn;  $<$
- $>$
  - $>$
  - $=$
  - $<$
- 4,240 ft, 4,340 ft, 4,960 ft, 5,344 ft; Slide Mountain
- 820; 2,008; 2,080; 8,002; 8,200
- 728,000; 720,800; 708,200; 87,300
- Proxima Centauri 268,269 AUs, Alpha Centauri 275,725 AUs, 377,098 AUs, Sirius 542,774 AUs, Epsilon Eridani 665,282 AUs

**Exit Ticket**

- 2,398 points, 2,699 points, 2,709 points, 2,976 points; Bonnie
- Answers will vary.
  - Answers will vary.

**Homework**

- Units accurately labeled; disks accurately drawn;  $>$
  - Units accurately labeled; disks accurately drawn;  $<$
- $>$
  - $<$
  - $=$
  - $>$
- 1,450 ft, 1,483 ft, 1,670 ft, 1,776 ft; One World Trade Center
- 750; 5,007; 5,070; 7,505; 7,550
- 640,020; 426,000; 406,200; 46,600
- Nevada, Arizona, Montana, California, Texas, Alaska

## Lesson 6

### Problem Set

- Units accurately labeled; disks accurately drawn; 615,472
  - Units accurately labeled; disks accurately drawn; 381,036
  - Units accurately labeled; disks accurately drawn; 100,000 more
- 249,867 points; explanations will vary.
- 50,060
  - 11,195
  - 1,000,000
  - 29,231
  - 100,000
  - 1,000
- 160,010; 180,010; 200,010; explanations will vary.
  - 998,756; 698,756; 598,756; explanations will vary.
  - 742,369; 740,369; 739,369; explanations will vary.
  - 128,910; 108,910; 98,910; explanations will vary.

### Exit Ticket

- 469,235; 470,235; 473,235; explanations will vary.
- 57,879
  - 224,560
  - 446,080
  - 796,233
- 209,773; explanations will vary.

**Homework**

1.
  - a. Units accurately labeled; disks accurately drawn; 460,313
  - b. Units accurately labeled; disks accurately drawn; 405,040
  - c. Units accurately labeled; disks accurately drawn; 100,000 more
2.
  - a. 176,960
  - b. 12,097
  - c. 839,000
  - d. 452,210
  - e. 1,000
  - f. 100,000
3.
  - a. 146,555; 148,555; 150,555; explanations will vary.
  - b. 754,321; 784,321; 794,321; explanations will vary.
  - c. 325,876; 525,876; 625,876; explanations will vary.
  - d. 264,445; 244,445; 234,445; explanations will vary.
4. \$64,098; explanations will vary.

## Lesson 7

### Problem Set

- 7,000
  - 9,000
  - 16,000
  - 40,000
  - 399,000
  - 840,000
- $5,572 \approx 6,000$ ;  $8,147 \approx 8,000$ ;  $10,996 \approx 11,000$ ; 25,000 km
- $12,748 \approx 13,000$ ;  $11,702 \approx 12,000$ ; Tyler; explanations will vary.
- \$43,499; \$42,500

### Exit Ticket

- 8,000
  - 13,000
  - 324,000
- Susie; explanations will vary.

### Homework

- 6,000
  - 4,000
  - 33,000
  - 79,000
  - 251,000
  - 700,000
- $981 \approx 1,000$ ; explanations will vary.
- $\$5,990 \approx \$6,000$ ;  $\$4,720 \approx \$5,000$ ; Sophia's family; explanations will vary.
- Incorrect; explanations will vary.

## Lesson 8

### Sprint

#### Side A

- |          |           |           |           |
|----------|-----------|-----------|-----------|
| 1. 5     | 12. 45    | 23. 6,500 | 34. 685   |
| 2. 50    | 13. 55    | 24. 650   | 35. 9,450 |
| 3. 500   | 14. 550   | 25. 65    | 36. 3,950 |
| 4. 15    | 15. 5,500 | 26. 265   | 37. 2,455 |
| 5. 150   | 16. 250   | 27. 9,265 | 38. 7,085 |
| 6. 1,500 | 17. 350   | 28. 85    | 39. 3,205 |
| 7. 35    | 18. 750   | 29. 95    | 40. 8,635 |
| 8. 350   | 19. 5,750 | 30. 995   | 41. 8,195 |
| 9. 450   | 20. 75    | 31. 9,995 | 42. 2,515 |
| 10. 25   | 21. 675   | 32. 445   | 43. 4,895 |
| 11. 35   | 22. 6,750 | 33. 8,350 | 44. 6,665 |

#### Side B

- |          |           |           |           |
|----------|-----------|-----------|-----------|
| 1. 15    | 12. 55    | 23. 7,500 | 34. 585   |
| 2. 150   | 13. 65    | 24. 750   | 35. 9,550 |
| 3. 1,500 | 14. 650   | 25. 75    | 36. 2,950 |
| 4. 25    | 15. 6,500 | 26. 275   | 37. 3,455 |
| 5. 250   | 16. 350   | 27. 9,275 | 38. 6,085 |
| 6. 2,500 | 17. 450   | 28. 85    | 39. 4,205 |
| 7. 45    | 18. 850   | 29. 95    | 40. 7,635 |
| 8. 450   | 19. 5,850 | 30. 995   | 41. 7,195 |
| 9. 550   | 20. 85    | 31. 9,995 | 42. 3,515 |
| 10. 35   | 21. 685   | 32. 455   | 43. 5,895 |
| 11. 45   | 22. 6,850 | 33. 8,450 | 44. 7,775 |

**Problem Set**

- 50,000; number line accurately models work.
  - 40,000; number line accurately models work.
  - 410,000; number line accurately models work.
- 200,000; number line accurately models work.
  - 400,000; number line accurately models work.
  - 1,000,000; number line accurately models work.
- 1,000,000; number line accurately models work.
- Possible digits are 0, 1, 2, 3, or 4; number line accurately models work.
- 370,000
  - 400,000

**Exit Ticket**

- 40,000; number line accurately models work.
  - 980,000; number line accurately models work.
- 100,000; number line accurately models work.
  - 1,000,000; number line accurately models work.
- 800,000

**Homework**

- 70,000; number line accurately models work.
  - 50,000; number line accurately models work.
  - 110,000; number line accurately models work.
- 900,000; number line accurately models work.
  - 800,000; number line accurately models work.
  - 600,000; number line accurately models work.
- 500,000; number line accurately models work.
- Possible digits are 0, 1, 2, 3, or 4; number line accurately models work.
- 380,000
  - 400,000



## Lesson 9

### Problem Set

- 5,000
  - 5,000
  - 42,000
  - 802,000
  - Explanations will vary.
- 30,000
  - 30,000
  - 790,000
  - 710,000
  - Explanations and numbers will vary.
- 800,000
  - 900,000
  - 800,000
  - 1,000,000
  - Explanations and numbers will vary.
- Explanations will vary.
  - Estimate is not reasonable; explanations will vary.
  - 30,000

### Exit Ticket

- 766,000; 770,000; 800,000
- 17,000; explanations will vary.

### Homework

- 7,000
  - 3,000
  - 16,000
  - 706,000
  - Explanations will vary.
- 90,000
  - 90,000
  - 790,000
  - 910,000
  - Explanations and numbers will vary.
- 100,000
  - 800,000
  - 600,000
  - 800,000
  - Explanations and numbers will vary.
- 849,999; 750,000
  - 404,999; 395,000
  - 30,499; 29,500

## Lesson 10

### Sprint

#### Side A

- |             |             |             |             |
|-------------|-------------|-------------|-------------|
| 1. 20,000   | 12. 40,000  | 23. 190,000 | 34. 160,000 |
| 2. 30,000   | 13. 140,000 | 24. 90,000  | 35. 20,000  |
| 3. 40,000   | 14. 40,000  | 25. 100,000 | 36. 920,000 |
| 4. 540,000  | 15. 60,000  | 26. 100,000 | 37. 40,000  |
| 5. 50,000   | 16. 460,000 | 27. 100,000 | 38. 60,000  |
| 6. 60,000   | 17. 20,000  | 28. 200,000 | 39. 700,000 |
| 7. 70,000   | 18. 30,000  | 29. 800,000 | 40. 240,000 |
| 8. 370,000  | 19. 40,000  | 30. 30,000  | 41. 710,000 |
| 9. 60,000   | 20. 240,000 | 31. 50,000  | 42. 190,000 |
| 10. 710,000 | 21. 80,000  | 32. 650,000 | 43. 780,000 |
| 11. 30,000  | 22. 180,000 | 33. 60,000  | 44. 440,000 |

#### Side B

- |             |             |             |             |
|-------------|-------------|-------------|-------------|
| 1. 10,000   | 12. 30,000  | 23. 190,000 | 34. 150,000 |
| 2. 20,000   | 13. 130,000 | 24. 90,000  | 35. 30,000  |
| 3. 30,000   | 14. 30,000  | 25. 100,000 | 36. 930,000 |
| 4. 530,000  | 15. 50,000  | 26. 100,000 | 37. 30,000  |
| 5. 40,000   | 16. 350,000 | 27. 100,000 | 38. 50,000  |
| 6. 50,000   | 17. 30,000  | 28. 200,000 | 39. 600,000 |
| 7. 60,000   | 18. 40,000  | 29. 800,000 | 40. 140,000 |
| 8. 360,000  | 19. 50,000  | 30. 20,000  | 41. 610,000 |
| 9. 50,000   | 20. 250,000 | 31. 40,000  | 42. 180,000 |
| 10. 610,000 | 21. 70,000  | 32. 640,000 | 43. 890,000 |
| 11. 20,000  | 22. 170,000 | 33. 50,000  | 44. 440,000 |

**Problem Set**

1.
  - a. 544,000
  - b. 540,000
  - c. 500,000
2.
  - a. 2,800
  - b. 32,900
  - c. 132,900
  - d. 6,000
  - e. 37,000
  - f. 101,000
3.
  - g. 40,000
  - h. 50,000
  - i. 1,000,000
  - j. 400,000
  - k. 400,000
  - l. 900,000
3. No; explanations will vary.
4. Answers and explanations will vary.
5. 70,000; 7,000;  $\approx$  10 trips

**Exit Ticket**

1.
  - a. 599,000; 600,000; 600,000
  - b. Explanations will vary.
2. Answers and explanations will vary.

**Homework**

1.
  - a. 845,000
  - b. 850,000
  - c. 800,000
2.
  - a. 800
  - b. 12,800
  - c. 951,200
  - d. 1,000
  - e. 65,000
  - f. 99,000
3.
  - g. 60,000
  - h. 80,000
  - i. 900,000
  - j. 900,000
  - k. 500,000
  - l. 700,000
3.
  - a. Answers and explanations will vary.
  - b. Answers and explanations will vary.
  - c. Answers and explanations will vary.

## Lesson 11

### Problem Set

- |    |    |         |    |         |
|----|----|---------|----|---------|
| 1. | a. | 6,579   | 2. | 240,029 |
|    | b. | 7,579   | 3. | 4,485   |
|    | c. | 7,582   | 4. | 31,318  |
|    | d. | 8,807   |    |         |
|    | e. | 10,807  |    |         |
|    | f. | 17,841  |    |         |
|    | g. | 58,146  |    |         |
|    | h. | 106,538 |    |         |
|    | i. | 901,256 |    |         |
|    | j. | 1,554   |    |         |
|    | k. | 286,026 |    |         |

### Exit Ticket

- |    |    |        |    |        |
|----|----|--------|----|--------|
| 1. | a. | 25,914 | 2. | 54,427 |
|    | b. | 4,226  |    |        |
|    | c. | 8,080  |    |        |

### Homework

- |    |    |           |    |    |           |
|----|----|-----------|----|----|-----------|
| 1. | a. | 8,953     | 2. | a. | 15,123 lb |
|    | b. | 37,649    |    | b. | 17,353 lb |
|    | c. | 870,898   |    | c. | 20,020 lb |
|    | d. | 301,050   |    | d. | 5,020 lb  |
|    | e. | 662,831   |    |    |           |
|    | f. | 380,880   |    |    |           |
|    | g. | 119,714   |    |    |           |
|    | h. | 381,848   |    |    |           |
|    | i. | 1,000,000 |    |    |           |

## Lesson 12

### Problem Set

- 330
  - 337
  - Explanations will vary.
- 3,000
  - 2,918
  - Explanations will vary.
- 44,000
  - 44,020
  - Explanations will vary.
- 53,443
  - 54,000; Explanations will vary.

### Exit Ticket

- \$31,771; explanations will vary.

### Homework

- 24,000
  - 23,613
  - Explanations will vary.
- 157,593
  - 157,000; explanations will vary.
- 30,238
  - Explanations will vary.

## Lesson 13

### Problem Set

- 4,023
  - 4,023
  - 2,208
  - 4,190
  - 6,030
  - 2,523
  - 9,010
  - 227,110
  - 98,220
- 12,009
  - 471 y
  - 52,411 lb
  - 109,014 mi

### Exit Ticket

- 6,011
  - 13,920
  - 6,511
- 7,050

### Homework

- 2,090
  - 408,110
  - 330,011
  - 30,011
  - 890,130
  - 106,010
  - 1,511
  - 371,631
- 24,717
- 1,922
- \$312,571
- 390,211
  - 204,110

## Lesson 14

### Problem Set

- 1,090
  - 990
  - 47,984
  - 988
  - 93,189
  - 92,979
  - 2,889
  - 49,979
  - 92,943
- 57,600 s
  - 284,700
  - 1,816
  - \$10,909

### Exit Ticket

- 13,589
- 29,464
- 356

### Homework

- 50,497
  - 275,497
  - 345,897
  - 158,497
  - 90,517
  - 858,919
  - 857,011
  - 87,897
  - 258,989
- 212,181 lb
  - 92,944
  - 361,200 lb

## Lesson 15

### Problem Set

- 9,980
  - 91,680
  - 197,859
  - 167,574
  - 408,000
  - 407,500
  - 8,089
  - 7,431
- 3,679 mi
- 227,367 gal
- \$929

### Exit Ticket

- 176,035
- 84,369

### Homework

- 8,818
  - 53,776
  - 179,667
  - 127,780
  - 55,061
  - 197,750
  - 720,511
  - 755,000
  - 523,836
- 7,919 mi
- 598,909
- \$674,700
- 18,647 g



## Lesson 16

### Sprint

#### Side A

- |         |         |         |           |
|---------|---------|---------|-----------|
| 1. 200  | 12. 140 | 23. 102 | 34. 260   |
| 2. 300  | 13. 190 | 24. 103 | 35. 375   |
| 3. 400  | 14. 195 | 25. 104 | 36. 633   |
| 4. 900  | 15. 185 | 26. 107 | 37. 809   |
| 5. 100  | 16. 184 | 27. 207 | 38. 470   |
| 6. 700  | 17. 173 | 28. 307 | 39. 735   |
| 7. 500  | 18. 162 | 29. 807 | 40. 417   |
| 8. 800  | 19. 262 | 30. 804 | 41. 604   |
| 9. 600  | 20. 762 | 31. 409 | 42. 1,004 |
| 10. 120 | 21. 527 | 32. 608 | 43. 1,040 |
| 11. 130 | 22. 387 | 33. 903 | 44. 1,184 |

#### Side B

- |         |         |         |           |
|---------|---------|---------|-----------|
| 1. 100  | 12. 130 | 23. 101 | 34. 250   |
| 2. 200  | 13. 170 | 24. 102 | 35. 385   |
| 3. 300  | 14. 175 | 25. 103 | 36. 631   |
| 4. 700  | 15. 165 | 26. 109 | 37. 607   |
| 5. 500  | 16. 164 | 27. 209 | 38. 460   |
| 6. 900  | 17. 153 | 28. 309 | 39. 725   |
| 7. 400  | 18. 142 | 29. 709 | 40. 413   |
| 8. 800  | 19. 242 | 30. 704 | 41. 602   |
| 9. 600  | 20. 842 | 31. 408 | 42. 1,003 |
| 10. 110 | 21. 529 | 32. 603 | 43. 1,030 |
| 11. 120 | 22. 389 | 33. 905 | 44. 1,148 |

**Problem Set**

- 19,000 lb
  - 19,190 lb
  - Explanations will vary.
- 500,000 gal
  - 597,420 gal
  - Explanations will vary.
- 53,000 mi
  - 53,558 mi
  - Explanations will vary.
- 10,994; explanations will vary.
- 78,497 lb; explanations will vary.

**Exit Ticket**

- 64,000
- 63,213
- Explanations will vary.

**Homework**

- 40,000
  - 40,699
  - Explanations will vary.
- 700,000
  - 601,801
  - Explanations will vary.
- 19,999; explanations will vary.

## Lesson 17

### Problem Set

1. \$13,838
2. 290,694
3. 1,125 kg
4. 150 m

### Exit Ticket

476 mL

### Homework

1. 278
2. 9,484 L
3. 160 in

## Lesson 18

### Problem Set

1. 21,550 m
2. 46,303
3. 40,284

### Exit Ticket

1. 16,939 sq km
2. Answers will vary.

### Homework

1. 124,867
2. 31,504
3. 2,210

## Lesson 19

### Problem Set

1. Word problems will vary; 1,827
2. Word problems will vary; 521,565
3. Word problems will vary; 23,110
4. Tape diagram models the equation; word problems will vary; 5,394

### Exit Ticket

1. Word problems will vary; 60,209
2. Tape diagram models the equation; word problems will vary; 35,656

### Homework

1. Word problems will vary; 1,972
2. Word problems will vary; 93,168
3. Word problems will vary; 94,851
4. Tape diagram models the equation; word problems will vary; 5,606