

Lesson 1

Problem Set

- 46; 460
 - 46 hundreds; 4,600
 - Ones; 164
 - Thousands; 164,000
 - 331; 3; thousands; 993,000
 - 5; 6; ten thousands; 300,000
- False; answers will vary.
 - False; answers will vary.
 - True; answers will vary.
 - True; answers will vary.
 - False; answers will vary.
- Answers provided
 - 135; 1,350; 13,500; 135,000
 - 200; 2,000; 20,000; 2,000,000
 - 1,436; 143,600; 1,436,000; 143,600,000
- Answers will vary.
- 36,000,000 gal
- \$9,900

Exit Ticket

- 38,000
 - 300,000
 - 75,000
- Answers will vary.

Homework

- 129; 1,290
 - 129; 12,900
 - Hundreds; 16,600
 - 44; 4; ten thousands; 1,760,000
 - 8; 5; ten thousands; 400,000
- True; answers will vary.
 - False; answers will vary.
 - True; answers will vary.
 - False; answers will vary.
- Answers provided
 - 400; 4,000; 400,000; 400,000
 - 1,911; 191,100; 1,911,000; 19,110,000
- 600 in²
- 2,115,000

Problem Set

Estimates will vary.

- 600; 50; 30,000; 30,000
 - 1,000; 60; 60,000; 60,000
 - 6,000; 25; 150,000; 150,000
- Answers provided
 - $30,000 \times 400$; 12,000,000
 - $9,000 \times 60$; 540,000
 - 900×600 ; 540,000
 - $40,000 \times 500$; 20,000,000
- $2,146 \times 121$; explanations will vary.
- 600; 40
 - 700; 700
 - 8,000; 500
- 800,000
- \$20,000
 - Answers will vary.

Exit Ticket

- 700×100 ; 70,000
- $3,000 \times 8,000$; 24,000,000
- $400 \times 9,000$; 3,600,000
- $9,000 \times 60,000$; 540,000,000

Homework

- 700; 80; 56,000; 56,000
 - 6,000; 70; 420,000; 420,000
 - 9,000; 50; 450,000; 450,000
- Answers provided
 - $80,000 \times 200$; 16,000,000
 - $10,000 \times 40$; 400,000
 - $1,000 \times 400$; 400,000
 - $90,000 \times 900$; 81,000,000
- $8,146 \times 121$; explanations will vary.
- 800; 30
 - 600; 700
 - 8,000; 500
- 3,200,000
- 10
 - \$18,000

Lesson 3

Problem Set

- Accurate model drawn; $(8 + 7) \times 2$
 - Accurate model drawn; $4 \times (14 + 26)$
 - Accurate model drawn; $3 \times (37.5 - 24.5)$
 - Accurate model drawn; $(3 \times 16) + (2 \times 9)$
 - Accurate model drawn; $(4 \times 25) - (3 \times 25)$
 - Accurate model drawn; $3 \times (33 + 27)$
- Answers will vary; 360
 - Answers will vary; 550
 - Answers will vary; 2,300
 - Answers will vary; 76
- $>$; answers will vary.
 - $<$; answers will vary.
 - $=$; answers will vary.
- Model drawn correctly; $(7 \times 15) + (38 \times 15)$
- MeiLing's is equivalent; answers will vary.
- $24 \times (8 + 12)$
 - $2 \times (24 \times 20)$
 - 1,440

Exit Ticket

- Model drawn correctly; $8 \times 47 - 7 \times 47$
 - Model drawn correctly; $6 \times (12 + 8)$
- $>$

Homework

- Accurate model drawn; $(21 + 4) \times 2$
 - Accurate model drawn; $5 \times (7 + 23)$
 - Accurate model drawn; $2 \times (49.5 - 37.5)$
 - Accurate model drawn; $3 \times 15 + 4 \times 2$
 - Accurate model drawn; $9 \times 37 - 8 \times 37$
 - Accurate model drawn; $3 \times (45 + 55)$
- Answers will vary; 160
 - Answers will vary; 220
 - Answers will vary; 2,600
 - Answers will vary; 130
- $>$; answers will vary.
 - $>$; answers will vary.
- No; answers will vary.
 - $(14 + 12) \times (8 + 12)$; 256

Homework

1. a. $(30 \times 19) - (7 \times 29)$ and $(40 - 2) \times 19$
b. $(26 + 30) \times (26 + 5)$ and $35 \times (20 + 60)$
c. $(34 \times 8) + (34 \times 9)$
2. a. 19; 20, 1; 1,000, 50; 950
b. 11; 10, 1; 10, 1; 260, 26; 286
c. 49; 50; 50, 1; 600, 12; 588
d. 12; 10, 2; 10, 2; 250, 50; 300
3. a. Twelves; twelves, twelve; 12, 12; 360, 12; 348
b. Elevens; elevens, eleven; 11, 11; 330, 11; 341
c. Elevens; elevens, eleven; 11, 11; 220, 11; 209
d. Fifties; fifties, fifties; 500, 150; 650
4. Answers will vary.
5. a. 1,584
b. 2,020
6. 266 ft²; answer will vary.
7. 2,323; answers will vary.

Lesson 5

Pattern Sheet

Estimates may vary.

- | | | | |
|-----------|------------|------------|------------|
| 1. 300 | 12. 450 | 23. 24,000 | 34. 2,400 |
| 2. 600 | 13. 900 | 24. 24,000 | 35. 24,000 |
| 3. 900 | 14. 8,000 | 25. 21,000 | 36. 1,800 |
| 4. 250 | 15. 6,000 | 26. 1,200 | 37. 18,000 |
| 5. 500 | 16. 4,000 | 27. 1,500 | 38. 24,000 |
| 6. 750 | 17. 400 | 28. 1,500 | 39. 24,000 |
| 7. 1,000 | 18. 800 | 29. 2,500 | 40. 28,000 |
| 8. 400 | 19. 1,200 | 30. 2,700 | 41. 32,000 |
| 9. 800 | 20. 12,000 | 31. 27,000 | 42. 49,000 |
| 10. 1,000 | 21. 15,000 | 32. 2,100 | 43. 64,000 |
| 11. 1,000 | 22. 18,000 | 33. 21,000 | 44. 72,000 |

Problem Set

- | | | |
|-----------|-------------|-------------|
| 1. a. 714 | 2. a. 5,172 | 3. \$7,248 |
| b. 9,114 | b. 2,829 | 4. 508.2 kg |
| | c. 9,984 | |

Exit Ticket

- | | |
|--------|----------|
| a. 483 | b. 1,716 |
|--------|----------|

Homework

- | | | |
|-----------|-------------|------------|
| 1. a. 504 | 2. a. 6,908 | 3. 2.99 m |
| b. 5,082 | b. 9,086 | 4. \$1,704 |
| | c. 6,816 | |

Lesson 6

Pattern Sheet

- | | | | |
|---------|-----------|-----------|-----------|
| 1. 500 | 12. 594 | 23. 4,950 | 34. 2,079 |
| 2. 495 | 13. 400 | 24. 4,950 | 35. 3,100 |
| 3. 495 | 14. 396 | 25. 8,000 | 36. 3,069 |
| 4. 300 | 15. 700 | 26. 7,920 | 37. 7,100 |
| 5. 297 | 16. 693 | 27. 6,000 | 38. 7,029 |
| 6. 297 | 17. 900 | 28. 5,940 | 39. 4,200 |
| 7. 200 | 18. 891 | 29. 1,100 | 40. 4,158 |
| 8. 198 | 19. 800 | 30. 1,089 | 41. 5,247 |
| 9. 198 | 20. 792 | 31. 1,089 | 42. 6,336 |
| 10. 600 | 21. 500 | 32. 2,100 | 43. 7,425 |
| 11. 594 | 22. 5,000 | 33. 2,079 | 44. 9,603 |

Problem Set

- | | | |
|-------------|--------------|---|
| 1. a. 1,680 | 2. a. 69,736 | 3. \$3,584 |
| b. 22,680 | b. 90,052 | 4. a. \$2,375 |
| | c. 30,940 | b. $19 \times 125 + 4 \times 125 = \$2,875$ |
| | d. 35,008 | |

Exit Ticket

- | | |
|----------|-----------|
| a. 3,276 | b. 32,886 |
|----------|-----------|

Homework

- | | | |
|-----------|--------------|-------------|
| 1. a. 972 | 2. a. 34,397 | 3. \$6,000 |
| b. 18,972 | b. 26,288 | 4. \$28,466 |
| | c. 34,868 | |
| | d. 25,392 | |

Problem Set

1.
 - a. 169,312
 - b. 145,262
 - c. Answers will vary.
2.
 - a. 2,562,305
 - b. 2,618,350
3.
 - a. 9,342
 - b. 399,762
 - c. 71,622
 - d. 278,622
4. \$251,535
5. 461,160
6. 2,494,920

Exit Ticket

- a. 164,944
- b. 132,894

Homework

1.
 - a. 94,458
 - b. 83,538
 - c. Answers will vary.
2.
 - a. 2,169,490
 - b. 1,466,762
3.
 - a. 152,082
 - b. 509,082
 - c. 130,782
 - d. 437,782
4. 986,595
5. \$47,188

Lesson 8

Problem Set

- 69,864
 - 280,000; 246,264
 - 280,000; 326,638
 - 400,000; 396,237
 - 2,800,000; 2,297,312
 - 2,800,000; 3,252,990
 - 1,000,000; 1,099,750
 - 2,400,000; 2,414,412
 - 3,100,000; 3,064,635
- 776 L 475 mL; answers will vary.
- \$71,713
- No; answers will vary.
 - 4,410
 - 9

Exit Ticket

- 117,728; 300; 400; 120,000
- 1,138,018; 2,800; 400; 1,120,000

Homework

- 46,488
 - 210,000; 219,185
 - 240,000; 272,636
 - 210,000; 210,755
 - 2,520,000; 2,550,048
 - 1,500,000; 1,604,564
 - 1,200,000; 1,317,520
 - 1,500,000; 1,509,514
 - 1,800,000; 1,550,416
- No; answers will vary.
- 600,000; answers will vary.

Lesson 9

Problem Set

- \$1,518,720
- a. 26,104
b. Leah; \$1,996
- $26 \times \$1,334 + 19 \times \$749 = \$48,915$
- \$10,822
- $2 \times (2 \times 9 + 2 \times 6) \times 12 \times 3 = 2,160$
- a. 3,874
b. 46,488

Exit Ticket

- \$103.50
- \$89.70
- \$193.20
- $15 \times (30 + 26) = 840$

Homework

- 1,529
- a. 4,832 yd
b. 67,648 yd
- \$13,608
- 40,500 cm^2
- a. $(120 \text{ yd} \times 80 \text{ yd}) - (100 \text{ yd} \times 55 \text{ yd}) = 4,100 \text{ yd}^2$
b. No; length is too short; answers will vary.
c. \$249,600

Lesson 10

Problem Set

Estimates may vary.

- 20, 2, 40; 52.8
 - 3, 30, 90; 102.3
- 3, 50, 150; 150.4
 - 3, 90, 270; 300.8
 - 6, 40, 240; 277.2
 - 10, 20, 200; 248.2
 - 8, 30, 240; 278.8
 - 200, 20, 4000; 2726.8
- Answers will vary.
- 4.1 m

Exit Ticket

- 30, 20, 600; 697.2
 - 2, 60, 120; 93.5
- 1,697.5; answers will vary.

Homework

- 50, 1, 50; 63.6
 - 2, 80, 160; 172.2
- 4, 30, 120; 142.8
 - 70, 6, 420; 377
 - $3 \times 20 = 60$; 52.8
 - $15 \times 20 = 300$; 265.2
 - 75, 2, 150; 175.2
 - 200, 60, 12,000; 11,029.5
- 184.8 m²
- 114 mi

Problem Set

Estimates may vary.

1. a. 1, 30, 30; 44.16
b. 4, 90, 360; answers will vary; 315.95
2. a. 40.32
b. 9,904.61
c. 42,038.64
d. 241.92
3. a. 752.64
b. 1,140.99
c. 5,699.4
4. \$56.05
5. \$3,692.42

Exit Ticket

1. 407.61
2. a. 85.82
b. 3,547.9

Homework

1. a. 2, 12, 24; 29.04
b. 4, 40, 160; answers will vary; 152.81
2. a. 26.39
b. 1,807.44
c. 19,675.19
d. 678.24
3. a. 48.24
b. 2,246.16
c. 6,100.9
4. \$42.39
5. a. \$283.50
b. 65.21 m

Lesson 12

Problem Set

Estimates may vary.

1.
 - a. 1, 14, 14; 16.94
 - b. 2, 300, 600; 747.25
2.
 - a. 1, 12, 12; 14.76
 - b. 1, 30, 30; 33.8
 - c. 0.2, 10, 2; 3.22
 - d. 0.5, 30, 15; 11.7
 - e. 7, 30, 210; 197.68
 - f. 6, 200, 1,200; 1,409.36
 - g. 7, 200, 1,400; 1,468.48
 - h. 200, 600, 120,000; 84,060.3
3. 106.95 mi
4. Greg will need \$2.08 more.
5. 17.85 g

Exit Ticket

- a. 3, 400, 1,200; 1,218.06
- b. 700, 1, 700; 833.75

Homework

1.
 - a. 25, 2, 50; 55.44
 - b. 5, 300, 1,500; 1,653.1
2.
 - a. 1, 21, 21; 25.83
 - b. 3, 40, 120; 131.2
 - c. 0.3, 40, 12; 13.12
 - d. 0.5, 60, 30; 33.48
 - e. 6, 30, 180; 170.52
 - f. 7, 700, 4,900; 4,664.89
 - g. 6, 200, 1,200; 1,266.72
 - h. 200, 600, 120,000; 95,326.8
3. 2,007.5 mi
4. \$3,174.75
5. \$13.60

Lesson 13

Problem Set

- Answer provided
 - 4, 1; 4, 365; 1,460
 - 9.2, 1; 9.2, 100; 920
 - 17.1 ft
 - 6,080 g
 - 200 oz
- Answer provided
 - 68,000 g
 - 170 cm
 - 80 mL
 - 180.8 oz
 - 82.8 in

Exit Ticket

- 14; 14, 16; 224
- 18.2, 1 kilogram; 18.2, 1,000 grams; 18,200

Homework

- Answer provided
 - 7, 1; 7, 365; 2,555
 - 4.5, 1; 4.5, 100; 450
 - 201.6 oz
 - 3,090 g
 - 8,820 in
- Answer provided
 - 65,000 g
 - 460 cm
 - 100 mL
 - 156.8 oz
 - 130 mm

Lesson 14

Problem Set

- Answer provided
 - $20; 20; \frac{20}{4}; 5$
 - $920, 1; 920, 0.01; 9.2$
 - $1,578, 1; 1,578; 1.578$
 - 6.08 kg
 - 0.509 L
- Answer provided
 - 6 pints
 - 3.78 m
 - 1.478 L
 - $3,900 \text{ kg}$
 - 264.04 km

Exit Ticket

- $35, 1; 35, \frac{1}{7}; \frac{35}{7}$ weeks; 5 weeks
- $4,567, 1 \text{ g}; 4,567, 0.001 \text{ kg}; 4.567 \text{ kg}$

Homework

- Answer provided
 - $36; 36; \frac{36}{4}; 9$
 - $760, 1; 760, 0.01; 7.6$
 - $2,485, 1; 2,485; 2.485$
 - 3.09 kg
 - 0.205 L
- Answer provided
 - 4 pints
 - 5.29 m
 - 2.06 L
 - $1,560 \text{ kg}$
 - 372.06 km

Problem Set

- 11 oz
- 1,888 bags of peppercorns
- 117.76 m
- 48 cups of juice
 - 12 containers

Exit Ticket

18,060 m

Homework

- 19.2 cm
- 11 gal
- 35.7 m
- 1,160 g
 - 1.16 kg

Problem Set

1.
 - a. 50
 - b. 36
 - c. 120
 - d. 4,500
 - e. 700
 - f. 5,300
2.
 - a. Answer provided
 - b. 40
 - c. 4
 - d. 8,000
 - e. 800
 - f. 80
 - g. 700
 - h. 900
 - i. 90
3.
 - a. 40 m
 - b. 60 m
 - c. 300 m
4.
 - a. Carter; explanations will vary.
 - b. 500

Exit Ticket

- a. 170
- b. 59
- c. 300
- d. 800

Homework

1.
 - a. 30
 - b. 45
 - c. 180
 - d. 7,300
 - e. 900
 - f. 680
2.
 - a. Answer provided
 - b. 90
 - c. 9
 - d. 7,000
 - e. 700
 - f. 70
 - g. 800
 - h. 800
 - i. 50
3. 200
4.
 - a. 4
 - b. 16

Homework

Estimates may vary.

1.
 - a. Answers provided
 - b. 600, 20; 30
 - c. 800, 40; 20
 - d. 500, 50; 10
 - e. 500, 50; 10
 - f. 140, 70; 2
 - g. 480, 80; 6
 - h. 630, 70; 9
 - i. 600, 100; 6
 - j. 300, 30; 10
 - k. 720, 80; 9
 - l. 630, 30; 21
 - m. 810, 90; 9
 - n. 350, 70; 5
 - o. 550, 11; 50
2. \$8
3. $160 \div 40 = 4$ barrels; answers will vary.

Homework

Estimates may vary.

1.
 - a. Answers provided
 - b. 2,000, 20; 100
 - c. 8,000, 40; 200
 - d. 3,600, 60; 60
 - e. 2,800, 70; 40
 - f. 5,400, 90; 60
 - g. 4,900, 70; 70
 - h. 8,100, 81; 100
 - i. 9,000, 90; 100
 - j. 3,000, 50; 60
 - k. 8,100, 90; 90
 - l. 4,200, 60; 70
 - m. 6,300, 70; 90
 - n. 5,000, 50; 100
 - o. 6,000, 30; 200
2. 26
3. 30; 11; 3; 40; answers will vary.

Lesson 19

Problem Set

- Answer provided
 - 2 R20; accurate check shown
 - 1 R21; accurate check shown
 - 9; accurate check shown
 - 8 R3; accurate check shown
 - 2 R35; accurate check shown
- 7 R19; explanations may vary.
- 564
- 5

Exit Ticket

- 3 R13
- 9 R21

Homework

- Answer provided
 - 2 R10; accurate check shown
 - 1 R35; accurate check shown
 - 9 R10; accurate check shown
 - 7 R17; accurate check shown
 - 4 R26; accurate check shown
- 256
- 18
- 4

Lesson 20

Problem Set

- Answer provided
 - 2 R7
 - 2
 - 2 R20
 - 3 R2
 - 4
- 1 R39; explanations may vary.
- 157
- Answers may vary.
- \$105

Exit Ticket

- 3 R15
- 2 R15

Homework

- Answer provided
 - 4 R5
 - 2 R28
 - 3 R10
 - 3 R4
 - 3 R20
- 7 ft
- 6 full plates with 12 remaining
 - 2 bagels

Lesson 21

Problem Set

- Answer provided
 - 2 R14
 - 8 R7
 - 8 R7
 - 8 R61
 - 7 R5
- Answers and explanations may vary.
- 19
- 4
 - More pencils.

Exit Ticket

- 6 R8
- 5 R2

Homework

- Answer provided
 - 4 R10
 - 5 R16
 - 7
 - 8
 - 8 R8
- 4
- 8

Lesson 22

Problem Set

- Answer provided
 - 22 R26
 - 33 R16
 - 24 R1
 - 15 R14
 - 40 R14
- 13 R35; explanations may vary.
- 10
 - 17; explanations may vary.

Exit Ticket

- 21 R14
- 10 R38

Homework

- Answer provided
 - 32 R5
 - 33 R7
 - 12 R27
 - 19 R22
 - 16 R12
- Explanations may vary.
- Explanations may vary.

Lesson 23

Problem Set

- 211 R6
 - 84
 - 213
 - 70 R14
 - 315 R17
 - 70 R14
- \$376
- 5,460
- 58 days

Exit Ticket

- 435 R18
- 28 R20

Homework

- 242 R40
 - 33 R10
 - 238 R27
 - 82 R1
 - 126 R15
 - 93 R55
- 565
- 57

Homework

1.
 - a. Answer provided
 - b. Answer provided
 - c. 0.3
 - d. $(2.4 \div 80) \div 10 = 0.3 \div 10 = 0.03$
 - e. 7.3
 - f. $(14.6 \div 20) \div 10 = 7.3 \div 10 = 0.73$
 - g. 0.2
 - h. $(80 \div 4) \div 100 = 20 \div 100 = 0.2$
 - i. 0.08
 - j. $(0.56 \div 7) \div 10 = 0.08 \div 10 = 0.008$
 - k. 1.05
 - l. $(9.45 \div 9) \div 100 = 1.05 \div 100 = 0.0105$
2.
 - a. 8.2; explanations may vary.
 - b. 0.5; explanations may vary.
 - c. 4.8; explanations may vary.
 - d. 0.66; explanations may vary.
3.
 - a. 2.13 mi; explanations may vary.
 - b. 29.82 mi
4. 70 mL

Lesson 25

Problem Set

- ≈ 0.04
 - ≈ 6
 - ≈ 0.2
 - ≈ 3
 - ≈ 1
- ≈ 0.2
 - ≈ 20
 - ≈ 2
- About 13 miles
 - About 40 days
- About \$3.90
 - No

Exit Ticket

- ≈ 0.08
- ≈ 2
- ≈ 0.2

Homework

- ≈ 0.07
 - ≈ 0.6
 - ≈ 0.40
 - ≈ 2
 - ≈ 0.12
- ≈ 0.2
 - ≈ 20
 - ≈ 2
- $\approx \$0.75$; answers may vary.
- ≈ 0.5 gal; answers may vary.
 - ≈ 3.5 gal
 - ≈ 40 days

Lesson 26

Problem Set

- No; $156 \div 24 = 6.5$, $102 \div 15 = 6.8$
 - Answers will vary.
- All answers should include a multiplication sentence to check division.
 - 2.78
 - 2.73
 - 1.11
 - 0.53
 - 4.8
 - 0.48
 - 5.1
 - 0.51
- 2.55 g
- 0.25 m
- 80.25 m

Exit Ticket

- All answers should include an estimate and check.
 - 2.15
 - 0.23
- Answers will vary.

Homework

- Answers will vary.
- All answers should include a multiplication sentence to check division.
 - 3.45
 - 5.12
 - 2.03
 - 0.42
- 2.87
 - 1.23
- 1.21; answers will vary
 - 5.3; answers will vary
- 14.2 ft
 - 3.35 ft taller

Lesson 27

Problem Set

- All answers should include a multiplication sentence to check division.
 - 0.35
 - 1.5
 - 0.5
 - 1.5
 - 1.5
 - 1.04
 - 0.36
 - 0.31
 - 0.175
- 1.27 kg
- 34.25 in
- \$33.75
- \$0.81

Exit Ticket

- 0.875
- 1.05

Homework

- All answers should include a multiplication sentence to check division.
 - 0.25
 - 2.04
 - 0.5
 - 8.26
 - 20.06
 - 16.8
- 0.85 L; 850 mL
- 6.75 kg
- 24.15 L

Problem Set

1. 43.5 hr
2. \$16.25
3. 6.75 in
4. 321.25 kg

Exit Ticket

\$23.20

Homework

1. 9
2. 2.22 oz
3. 0.67 kg
4. \$5.75
5. 38

Lesson 29

Problem Set

1. 903 kg
2. 6 weeks; explanations will vary.
3. 39.12 m
4. 10,800 m²

Exit Ticket

\$618

Homework

1. 13
2. \$178
3. 64.5 m
4. \$3.50
5. 6.25 km²