

Problem Set

1.
 - a. Answer provided
 - b. 345.2
 - c. 3452
 - d. Explanations will vary.
2.
 - a. Answer provided
 - b. 3.45
 - c. 0.345
 - d. Explanations will vary.
3. 7,234,000; explanations will vary.
4. 320.04
 $3200.4 \div 10 = 320.04$; explanations will vary.
5. 9.5 cm; explanations will vary.

Exit Ticket

- a. 667.1
- b. 0.684

Homework

1.
 - a. Answer provided
 - b. 728.1
 - c. 9254
 - d. Explanations will vary.
2.
 - a. Answer provided
 - b. 6.78
 - c. 0.067
 - d. Explanations will vary.
3. 8,912,000
4. 2800.3
 $28.003 \times 100 = 2800.3$; explanations will vary.
5. 251 m; explanations will vary.

Homework

1.
 - a. 360,000
 - b. 3,600
 - c. 43
 - d. 0.43
 - e. 240
 - f. 0.024
 - g. 4,540
 - h. 30.454
2.
 - a. 145,600
 - b. 1,456,000
 - c. 14,560,000

Explanations will vary.
3.
 - a. 1.65
 - b. 0.165
 - c. Explanations will vary.
4. No; $0.3 \times 100 = 30$; explanations will vary.
5. $1,700,000 \div 10 = 170,000 \text{ km}^2$; explanations will vary.

Homework

1.
 - a. 10^3
 - b. 10^2
 - c. 10^5
 - d. 10^3
 - e. 10^6
 - f. 10^5
2.
 - a. 4,000
 - b. 640,000
 - c. 53
 - d. 5,300
 - e. 6,072
 - f. 607,200
 - g. 0.948
 - h. 0.094
3.
 - a. 2; 200; 2,000
 - b. 340; 0.034
 - c. 85,700; 857; 0.857
 - d. 444,000; 4,440,000; 44,400,000
 - e. 0.095; 9,500,000; 950,000,000
4. Answers will vary; $10^4 = 10 \times 10 \times 10 \times 10 = 10,000$
5.
 - a. Answers will vary.
 - b. $247 \div 10^3 = 0.247$; $247 \times 10^3 = 247,000$

Homework

1.
 - a. Answer provided
 - b. 1.08; $108 \div 10^2 = 1.08$
 - c. 2.49; 249; $2.49 \times 10^2 = 249$
 - d. 50; 0.50; $50 \div 10^2 = 0.5$
 - e. 6.3; 630; $6.3 \times 10^2 = 630$
 - f. 7; 0.07; $7 \div 10^2 = 0.07$
 - g. b, d, f
2.
 - a. 4; 4000; $4 \times 10^3 = 4,000$
 - b. 1.7; 1,700; $1.7 \times 10^3 = 1,700$
 - c. 1,050; 1.05; $1,050 \div 10^3 = 1.05$
 - d. 65; 0.065; $65 \div 10^3 = 0.065$
 - e. 4.92; 4,920; $4.92 \times 10^3 = 4,920$
 - f. 3; 0.003; $3 \div 10^3 = 0.003$
 - g. a, b, e
3.
 - a. 2,638; answer provided
 - b. 0.07; $7 \div 10^2 = 0.07$
 - c. 0.039; $39 \div 10^3 = 0.039$
 - d. 80; $0.08 \times 10^3 = 80$
 - e. 0.5; $0.005 \times 10^2 = 0.5$
4. $1.49 \text{ m} = 1,490 \text{ mm}$; $1.49 \times 10^3 = 1,490$
5. $2 \text{ cm} = 0.02 \text{ m}$; $2 \div 10^2 = 0.02$
6. $77 \text{ mm} = 0.077 \text{ m}$; $77 \div 10^3 = 0.077$

Homework

1. a. Answer provided
b. 0.035
c. 9.235
d. 800.005
e. 0.008
f. 0.028
g. 7.528
h. 300.502
2. a. Eight thousandths
b. Fifteen and sixty-two thousandths
c. Six hundred seven and four hundred nine thousandths
3. a. Answer provided
b. $3 \times 0.1 + 6 \times 0.01 + 2 \times 0.001$
c. $4 \times 10 + 9 \times 1 + 5 \times 0.1 + 6 \times 0.01 + 4 \times 0.001$
4. a. 35.276
b. 920.307
c. 5,408.065
5. a. $4 \times 1 + 8 \times \frac{1}{10} + 7 \times \frac{1}{100} + 5 \times \frac{1}{1000}$
b. $3 \times 1 + 1 \times \frac{1}{10} + 2 \times \frac{1}{100} + 5 \times \frac{1}{1000}$
6. Nancy: $4 \times 100 + 1 \times 10 + 2 \times 1 + 6 \times \frac{1}{10} + 3 \times \frac{1}{100} + 8 \times \frac{1}{1000}$
Charles: $4 \times 100 + 1 \times 10 + 2 \times 1 + 6 \times 0.1 + 3 \times 0.01 + 8 \times 0.001$

Lesson 6

Problem Set

- <; >; completed place value chart; explanations will vary.
- <
 - =
 - =
 - =
 - >
 - =
 - >
 - <
 - <
 - <
 - <
- 3.04; 3.049; 3.05; 3.059
 - 182.025; 182.05; 182.105; 182.205
- 7.68; 7.608; 7.6; 7.068
 - 439.612; 439.261; 439.216; 439.126
- No; answers will vary; Angel has $\frac{500}{1000}$ L, but Lance has $\frac{485}{1000}$ L.
- Dr. Hong prescribes the most; Dr. Evans prescribes the least; explanations will vary.

Exit Ticket

- <
- <
- 76.343; 76.342; 76.332; 76.232

Homework

- <
 - =
 - =
 - <
 - >
 - =
 - <
 - >
 - <
 - <
- 8.008; 8.08; 8.081; 8.09
 - 14.200; 14.204; 14.210; 14.240
- 8.58; 8.508; 7.5; 7.058
 - 439.612; 439.261; 439.216; 439.126
- James's hand was bigger; explanations will vary.
- Salvador's plane traveled the farthest distance; Jennifer's plane traveled the shortest distance; explanations will vary.

Problem Set

- 3 ones + 1 tenth; 31 tenths; 310 hundredths
 - 310 hundredths = 3.1
 - 31 tenths = 3.1
 - 0 tens
- 11 tens + 5 ones + 3 tenths + 7 hundredths + 6 thousandths; 115 ones + 3 tenths + 7 hundredths + 6 thousandths; 1,153 tenths + 7 hundredths + 6 thousandths; 11,537 hundredths + 6 thousandths
 - 11,538 hundredths = 115.38
 - 115 ones = 115
 - 12 tens = 120
- 9 tenths + 9 hundredths + 4 thousandths; 99 hundredths + 4 thousandths; 944 thousandths
 - 99 hundredths = 0.99
 - 10 tenths = 1.0
 - 1 one = 1
 - 0 tens = 0
- 2.14 m
- Explanations will vary.

Exit Ticket

- 855 hundredths = 8.55
- 1 ten = 10

Homework

- 4 ones + 3 tenths; 43 tenths; 430 hundredths
 - 430 hundredths = 4.3
 - 43 tenths = 4.3
 - 4 ones = 4
- 22 tens + 5 ones + 2 tenths + 8 hundredths + 6 thousandths; 225 ones + 2 tenths + 8 hundredths + 6 ones; 2,252 tenths + 8 hundredths + 6 thousandths
 - 22,529 hundredths = 225.29
 - 225 ones = 225
 - 23 tens = 230
- 8 ones + 9 tenths + 8 hundredths + 4 thousandths; 89 tenths + 8 hundredths + 4 thousandths; 898 hundredths + 4 thousandths
 - 898 hundredths = 8.98
 - 90 tenths = 9.0
 - 9 ones = 9
 - 1 ten = 10
- 18.39 m
 - 1,838.6 cm
- Explanations will vary.

Lesson 8

Problem Set

- 32.7; 32.70; 33
 - 142.0; 142.00; 140; 100
- 1,325.5
- 13.74; explanations will vary.
 - 13.65; explanations will vary.

Exit Ticket

- 14.0
- 382.99

Homework

- 43.6; 43.59; 44
 - 243.9; 243.88; 240; 200
- 285.2 miles
- 18.64; explanations will vary.
 - 18.55; explanations will vary.

Problem Set

- 3; 0.3
 - 23; 2; 3; 2.3
 - 3; 0.03
 - 32; 3; 2; 0.32
 - 3; 0.003
 - 43; 4; 3; 0.043
 - 603; 0.603
 - 76; 7.6
 - 9007; 9.007
- 1.12
 - 1.11
 - 10.1
 - 59.11
 - 66.901
 - 97.900
- 2.542; 2.300
 - 6.122 km
- Pedometer and math apps; explanations will vary.

Exit Ticket

- 12; 1; 2
 - 72; 7; 2
- 4.20
 - 44.92

Homework

- 7
 - 21; 2; 1
 - 7
 - 34; 3; 4
 - 7
 - 44; 4; 4
 - 507
 - 48
 - 6,016
- 1.1
 - 2.11
 - 10.1
 - 59.11
 - 77.701
 - 97.900
- 4,133 km
 - 4.126 km
- \$12.86

Lesson 10

Problem Set

- 3; 0.3
 - 3; 9; 3.009
 - 7; 4; 700.04
 - 21; 0.021
- 0.7
 - 90.79
 - 180.77
 - 7.078
 - 58.054
 - 358.469
- 89.9
 - 0.8
 - 2.5
 - 4.69
 - 5.592
 - 1.81
- No; explanations will vary; 0.47
- \$0.37

Exit Ticket

- 17; 8; 9; 0.9
- 56.077
 - 6.65

Homework

- 6
 - 6; 2
 - 4; 3
 - 33; 3; 3
- 0.9
 - 40.94
 - 319.92
 - 5.092
 - 46.166
 - 737.09
- 269.7
 - 3.4
 - 1.1
 - 3.77
 - 8.196
 - 4.77
- No; explanations will vary; 0.75
- \$3.89

Lesson 11

Problem Set

- $3 \times 0.2 = 0.6$
 - $5 \times 0.02 = 0.1$
 - $3 \times 0.6 = 1.8$
 - $6 \times 0.04 = 0.24$
 - $5 \times 0.7 = 3.5$
 - $0.004 \times 3 = 0.012$
- 21; 0.7; 21.84
 - $24 + 1.2 + 0.3 = 25.5$
 - $12 + 1.8 + 0.15 = 13.95$
 - $80 + 0.28 + 0.02 = 80.3$
- Models will vary; 18.2
- \$8.80

Exit Ticket

- $4 \times 0.3 = 1.2$
- 9 ones; 6 tenths; 3 hundredths; 3; 9; 6; 3; 27 ones + 18 tenths + 9 hundredths = 28.89

Homework

- $2 \times 0.4 = 0.8$
 - $4 \times 0.05 = 0.2$
 - $4 \times 0.7 = 2.8$
 - $3 \times 0.05 = 0.15$
 - $9 \times 0.7 = 6.3$
 - $8 \times 0.006 = 0.048$
- 24; 2.8; 0.36; 27.16
 - $42 + 2.4 + 0.54 = 44.94$
 - $27 + 5.4 + 0.45 = 32.85$
 - $60 + 0.3 + 0.21 + 0.015 = 60.525$
- No; area models will vary; 34.4
- \$16.39

Problem Set

1.
 - a. Circle 10; answers will vary.
 - b. Circle 21.98; answers will vary.
 - c. Circle 48.176; answers will vary.
 - d. Circle 49.32; answers will vary.
2. 2.20 m; 3 m; answers will vary.
3. ≈ 14 km; 14.48 km; accurate work shown
4. 80×5 is about \$400; answers will vary.

Exit Ticket

1.
 - a. Circle 10.2
 - b. Circle 35.72
2. About 42; answers will vary.

Homework

1.
 - a. Circle 6.3; answers will vary.
 - b. Circle 25.62; answers will vary.
 - c. Circle 42.371; answers will vary.
 - d. Circle 43.38; answers will vary.
2. 33.2 kg
3. \$128.49
4. \$50.64

Problem Set

- 4; 0.4
 - 4; 0.04
 - 12; 0.012
 - 4; 0.4
- 42; 6; 0.6
 - 2; 64; 1; 32; 1.32
 - 12; 64; 6; 32; 6.32
 - 42; 6; 7 tenths + 1 hundredth; 0.71
 - 42 tenths \div 6 + 36 thousandths \div 6; 7 tenths + 6 thousandths; 0.706
- 4; 0.4
 - 9; 0.009
- No; explanations may vary.
 - No; explanations may vary.
 - Yes; explanations may vary.
- 3.12 doses or 3 full doses
- \$0.41

Exit Ticket

- 9; 0.9
 - 8; 0.08
 - 3; 0.003
- 45; 9; 0.9
 - 6; 12; 1; 2; 1.02

Homework

- 5; 0.5
 - 4; 0.04
 - 9; 0.009
- 9; 36; 3; 12; 3.12
 - 36; 12; 12; 4; 12.004
 - 35; 5; 7 tenths + 1 hundredth; 0.71
 - 35 tenths \div 5 + 45 thousandths \div 5; 7 tenths + 9 thousandths; 0.709
- 3; 0.3
 - 6; 0.006
- No; explanations may vary.
 - Yes; explanations may vary.
 - No; explanations may vary.
- \$1.21
- 6.32 L

Lesson 14

Problem Set

- 1.412
 - 0.662
- 0.26
 - 1.82
 - 3.49
- Explanations will vary; 0.21
- 0.37 m
- \$0.12; accurate tape diagram shown

Exit Ticket

- 2.686
- 0.144

Homework

- 1.747
 - 1.343
- 0.16
 - 1.29
 - 2.734
- \$13.56
- 0.4 lb

Problem Set

1.
 - a. 0.25
 - b. 1.425
2.
 - a. 0.45
 - b. 1.82
 - c. 1.5
 - d. 0.245
 - e. 1.55
 - f. 22.75
3. 1.25 kg
4. 3.25 L

Exit Ticket

1. 0.225
2. 1.96

Homework

1.
 - a. 0.175
 - b. 1.62
2.
 - a. 0.35
 - b. 0.65
 - c. 2.25
 - d. 0.46
 - e. 2.35
 - f. 11.375
3. 1.74 m
4. 1.425 gal

Problem Set

1. a. \$31.50
b. \$42
2. Ava: 112 cm
Olivia: 89 cm
3. \$96.01
4. 1.675 lb
5. a. 8.85 kg
b. 3; explanations will vary.

Exit Ticket

Word problems will vary; Jim's dog weighs 5.41 lb; $\frac{2}{3}$ of John's dog's weight is 10.82 lb.

Homework

1. 6.55 m
2. a. \$127.05
b. \$1,172.95
3. 9.73 lb
4. 0.744 L