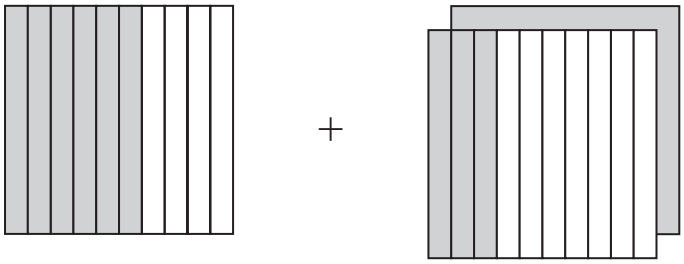
Name: _____ Date: _____

CHAPTER 8 Adding and Subtracting Decimals

Lesson 8.1 Adding Decimals (Part 1)

Add.



Ones	Tenths
	○○○ ○○○
○	○○○

1. 0.6 + 1.3 = _____

Fill in the blanks. Write each sum as a decimal.

2. 0.5 + 0.7 = _____ tenths + _____ tenths

= _____ tenths

= _____

Name: _____ **Date:** _____

Fill in the blanks. Write each sum as a decimal.

3. 1.4 + 2.3 = _____ tenths + _____ tenths

= _____ tenths

= _____

Add.

4.
$$\begin{array}{r} 4.3 \\ +\ 6.5 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 7.8 \\ +\ 25.1 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 6.9 \\ +\ 38.5 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 18.5 \\ +\ 4.7 \\ \hline \end{array}$$

Write in vertical form. Then add.

8. 8.6 + 26.8 = _____

9. 15.4 + 17.6 = _____

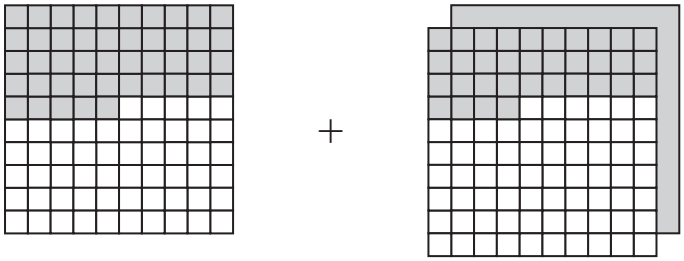
10. 17.9 + 12.6 = _____

11. 20.1 + 19.9 = _____

Name: _____ Date: _____

Lesson 8.1 Adding Decimals (Part 2)

Add.



Ones	Tenths	Hundredths
	○○ ○○	○○○ ○○
○	○○○	○○ ○○

1. 0.45 + 1.34 = _____

Fill in the blanks. Write each sum as a decimal.

2. 0.71 + 0.29 = _____ hundredths + _____ hundredths

= _____ hundredths

= _____

3. 0.38 + 0.15 = _____ hundredths + _____ hundredths

= _____ hundredths

= _____

Name: _____ **Date:** _____

Fill in the blanks. Write each sum as a decimal.

4. 0.65 + 0.45 = _____ hundredths + _____ hundredths

= _____ hundredths

= _____

Add.

5.
$$\begin{array}{r} \$\ 5.94 \\ +\ \$25.05 \\ \hline \end{array}$$

6.
$$\begin{array}{r} \$\ 4.63 \\ +\ \$17.54 \\ \hline \end{array}$$

7.
$$\begin{array}{r} \$17.55 \\ +\ \$26.79 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$38.69 \\ +\ \$18.58 \\ \hline \end{array}$$

Write in vertical form. Then add.

9. \$0.08 + \$0.51 = \$_____

10. \$0.37 + \$0.85 = \$_____

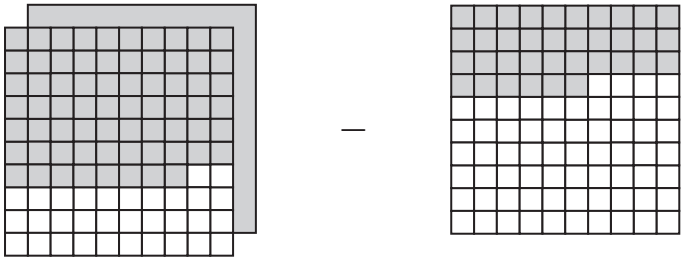
11. \$0.79 + \$0.57 = \$_____

12. \$0.65 + \$0.78 = \$_____

Name: _____ Date: _____

Lesson 8.2 Subtracting Decimals

Subtract.



Ones	Tenths	Hundredths
○	○○○ ○○○	○○○○ ○○○○
	○○○	○○○ ○○○

1. 1.68 − 0.36 = _____

Fill in the blanks. Write the difference as a decimal.

2. 2.5 − 0.8 = _____ tenths − _____ tenths

= _____ tenths

= _____

3. 3.4 − 0.9 = _____ tenths − _____ tenths

= _____ tenths

= _____

Name: _____ **Date:** _____

4. 0.32 − 0.17 = _____ hundredths − _____ hundredths

= _____ hundredths

= _____

5. 0.21 − 0.07 = _____ hundredths − _____ hundredths

= _____ hundredths

= _____

Subtract.

6.
$$\begin{array}{r} 0.90 \\ -\ 0.27 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 0.81 \\ -\ 0.36 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 0.74 \\ -\ 0.45 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 6.9 \\ -\ 6.2 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 7.0 \\ -\ 3.1 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 12.3 \\ -\ 7.4 \\ \hline \end{array}$$

Write in vertical form. Then subtract.

12. 16.57 − 8.23 = _____

13. 21.04 − 6.52 = _____

14. 30.06 − 18.97 = _____

15. 44.99 − 26.23 = _____

Name: _____ Date: _____

Lesson 8.3 Real-World Problems: Decimals

Solve. Show your work.

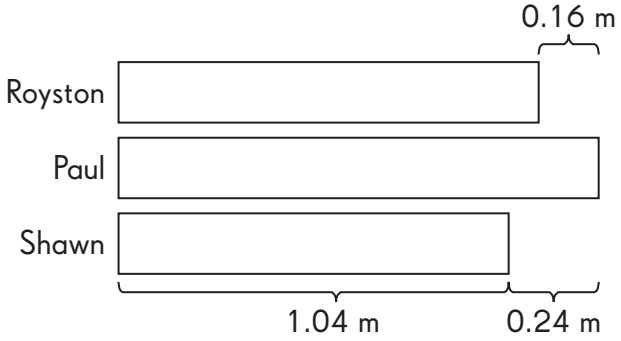
1. The weight of a bag of potatoes is 2.5 pounds. Ms. Bennett uses 0.55 pound of potatoes on the first day and 1.08 pounds on the second day. How many pounds of potatoes are left?

2. Ms. Petrie buys some peaches for $4.95 and some breakfast cereal for $7.85. Ms. Petrie had $50 before she went shopping. How much money does Ms. Petrie have left after she buys the peaches and cereal?

Name: _____ **Date:** _____

3. The total weight of Container A and Container B is 71.4 pounds. The total weight of Container B and Container C is 58.5 pounds. The weight of Container C is 29.7 pounds. What is the weight of Container A?

4. In a long jump competition, Paul jumps 0.16 meter farther than Royston. Shawn jumps 0.24 meter less than Paul. Shawn jumps a distance of 1.04 meters. How far does Royston jump?



Name: _____ **Date:** _____

5. The distance between John's home and his school is 7.49 kilometers. The distance from John's school to the Tennis Academy is 9.87 kilometers.

a. John travels from home to school and then to the Academy. How far does John travel?

b. After his tennis class, John goes back to school. What is the total distance John travels?

Name: _____ **Date:** _____

6. Greg makes a kite using the following materials.

KITE MATERIALS

1 long stick	60 cm
1 short stick	45.8 cm
1 tail	3.6 m
1 ball of string	180 m

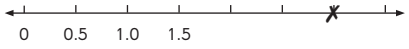
a. How much shorter is the short stick than the long stick?

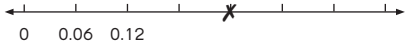
b. How many long sticks put end to end will be needed to equal the total length of the tail?

Lesson 7.5

1. 0.4
2. 0.67
3. 0.3
4. 0.49
5. 5.9
6. 8.79
7. 2; 0.2
8. 38; 0.38
9. 0.8
10. 0.5
11. 1.75
12. 0.3
13. 0.64
14. 7.2
15. $\frac{3}{5}$
16. $5\frac{7}{10}$
17. $1\frac{9}{20}$
18. $3\frac{9}{25}$

Put on Your Thinking Cap!

1. 

2. 

3. Accept any number from 5.31 to 5.39.
4. Accept any number from 0.41 to 0.49.
5. Accept any number from 3.86 to 3.94.
6. 83
7. 258
8. 370
9. 56
10. 182
11. 394
12. a. 9
    b. 9.0
13. 12.98
    pattern: + 2.2; + 2.2; + 2.2; + 2.2; + 2.2
14. 1.6
    pattern: − 0.04; − 0.04; − 0.04; − 0.04; − 0.04
15. 8.7
    pattern: + 0.5; + 1.0; + 1.5; + 2.0; + 2.5
16. 0.7
    pattern: − 0.2; − 0.4; − 0.6; − 0.8; − 1.0
17. 1.68
    pattern: + 0.01; + 0.01; − 0.02; − 0.02; + 0.01; + 0.01
18. 0.42
    pattern: − 0.3; − 0.6; − 0.9; − 1.2; − 1.5
19. 12.38
    pattern: − 0.4; + 1.4; − 0.8; + 2.8; − 1.2; + 4.2

Chapter 8

Lesson 8.1 (Part 1)

1. 1.9
2. 5; 7; 12; 1.2
3. 14; 23; 37; 3.7
4. 10.8
5. 32.9
6. 45.4
7. 23.2
8. 35.4
9. 33
10. 30.5
11. 40

Lesson 8.1 (Part 2)

1. 1.79
2. 71; 29; 100; 1.00
3. 38; 15; 53; 0.53
4. 65; 45; 110; 1.10
5. $30.99
6. $22.17
7. $44.34
8. $57.27
9. $0.59
10. $1.22
11. $1.36
12. $1.43

Lesson 8.2

1. 1.32
2. 25; 8; 17; 1.7
3. 34; 9; 25; 2.5
4. 32; 17; 15; 0.15
5. 21; 7; 14; 0.14
6. 0.63
7. 0.45
8. 0.29
9. 0.7
10. 3.9
11. 4.9
12. 8.34

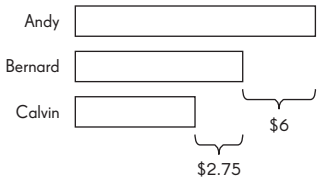
13. 14.52
14. 11.09
15. 18.76

Lesson 8.3

1. 0.55 + 1.08 = 1.63
   2.50 − 1.63 = 0.87
   0.87 pound of potatoes are left.
2. $4.95 + $7.85 = $12.80
   $50.00 − $12.80 = $37.20
   Ms. Petrie has $37.20 left.
3. 58.5 − 29.7 = 28.8
   71.4 − 28.8 = 42.6
   The weight of Container A is 42.6 pounds.
4. 1.04 + 0.24 = 1.28 (Paul)
   1.28 − 0.16 = 1.12
   Royston jumps 1.12 meters.
5. a. 7.49 + 9.87 = 17.36
      John travels 17.36 kilometers.
   b. 17.36 + 9.87 = 27.23
      John travels a total of 27.23 kilometers.
6. 60 − 45.8 = 14.20
   a. The short stick is 14.20 centimeters shorter than the long stick.
   b. 3.6 m = 360 cm
      The length of the tail is 360 centimeters.
      60 × 6 = 360 cm
      6 long sticks put end to end will be as long as the tail.

Put on Your Thinking Cap!

1. 7.37
   8.97 + 3.68 = 12.65
   20.02 − 12.65 = 7.37
2. Andy has $8.75 more than Calvin.



   $6 + $2.75 = $8.75
3. $2.30 − $1.95 = $0.35
   Amount saved by buying 1 ballpoint pen on sale: $0.35
   $0.35 + $0.35 + $0.35 = $1.05
   Amount saved by buying 3 ballpoint pens on sale is $1.05.
4. $0.85 + $0.85 + $2.75 = $4.45
   $10.00 − $4.45 = $5.55
   The amount of change Julio gets back is $5.55.
5. $1.20 − $0.85 = $0.35
   A mechanical pencil costs $0.35 more before the sale.
   $3.50 − $2.75 = $0.75
   A correction pen costs $0.75 more before the sale.
   $0.35 + $0.35 + $0.75 = $1.45
   Nicolas paid $1.45 more than Julio.
6. a. 35.00 − 1.75 = 33.25
      33.25 + 4.75 = 38
      The number is 38.
   b. 8.75 + 3.78 = 12.53
      12.53 − 6.75 = 5.78
      The number is 5.78.

Chapter 9

Lesson 9.1

1. ∠*ABC*; ∠*CBA*
2. ∠*QRS*; ∠*SRQ*
3. ∠*n*; ∠*WZY*
4. ∠*l*; ∠*YXW*
5. ∠*b*; ∠*HGF*
6. ∠*c*; ∠*FHG*
7. ∠*c*; ∠*LKO*
8. ∠*g*; ∠*KON*
9. ∠*e*; ∠*NML*
10. inner scale
11. outer scale
12. outer scale
13. inner scale
14. inner scale
15. outer scale
16. 125°; obtuse angle
17. 35°; acute angle
18. 100°; obtuse angle
19. 88°; acute angle
20. Estimates will vary.

Angle	*p*	*q*	*r*	*s*
Measured ∠	37°	175°	128°	90°