

# **5th GRADE ENRICHMENT MATH**

## **Unit 2**

### **Adding and Subtracting** **Decimals**

**Name** \_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_

## Lesson 7 Reteach

P. 1

### Addition Properties

On Monday, Simone did math homework for 30 minutes and science homework for 20 minutes. On Tuesday, she did science homework for 20 minutes and math homework for 30 minutes. On which day did she spend more time doing homework?

In this situation, the order in which Simone did math and science homework did not change the total amount of time she spent on homework.

This is an example of the *Commutative Property of Addition*. The definition of this property and other properties of addition appear below.

**Commutative Property of Addition:** The order in which numbers are added does not change the sum.

**Associative Property of Addition:** The way in which numbers are grouped does not change the sum.

**Identity Property of Addition:** The sum of any number and 0 equals the number.

Identify the addition property used to rewrite each problem.

1.  $21 + 36 + 17 = 36 + 17 + 21$

\_\_\_\_\_

2.  $(5 + 9) + 2 = 5 + (9 + 2)$

\_\_\_\_\_

3.  $46.8 + 0 = 46.8$

\_\_\_\_\_

4.  $77 + (31 + 15) = (77 + 31) + 15$

\_\_\_\_\_

5.  $46 + 13 + 8 = 13 + 8 + 46$

\_\_\_\_\_

6.  $15 + 0 = 15$

\_\_\_\_\_



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

P.2

$$\begin{array}{r} 6895 \\ + 7034 \\ \hline \end{array}$$

$$\begin{array}{r} 9690 \\ + 9258 \\ \hline \end{array}$$

$$\begin{array}{r} 6910 \\ - 4191 \\ \hline \end{array}$$

$$\begin{array}{r} 9212 \\ - 7291 \\ \hline \end{array}$$

$$\begin{array}{r} 8074 \\ + 5139 \\ \hline \end{array}$$

$$\begin{array}{r} 6125 \\ + 9182 \\ \hline \end{array}$$

$$\begin{array}{r} 2510 \\ - 2097 \\ \hline \end{array}$$

$$\begin{array}{r} 2901 \\ - 1446 \\ \hline \end{array}$$

$$\begin{array}{r} 1011 \\ + 2975 \\ \hline \end{array}$$

$$\begin{array}{r} 8622 \\ - 1670 \\ \hline \end{array}$$

$$\begin{array}{r} 3310 \\ + 6046 \\ \hline \end{array}$$

$$\begin{array}{r} 3659 \\ - 2749 \\ \hline \end{array}$$

$$\begin{array}{r} 7210 \\ - 2633 \\ \hline \end{array}$$

$$\begin{array}{r} 3773 \\ + 2138 \\ \hline \end{array}$$

$$\begin{array}{r} 9016 \\ + 3943 \\ \hline \end{array}$$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

93

$$\begin{array}{r} 782684 \\ - 662439 \\ \hline \end{array}$$

$$\begin{array}{r} 846209 \\ + 128514 \\ \hline \end{array}$$

$$\begin{array}{r} 442465 \\ - 287411 \\ \hline \end{array}$$

$$\begin{array}{r} 414971 \\ + 886063 \\ \hline \end{array}$$

$$\begin{array}{r} 805843 \\ - 359113 \\ \hline \end{array}$$

$$\begin{array}{r} 812875 \\ - 503352 \\ \hline \end{array}$$

$$\begin{array}{r} 692107 \\ + 820956 \\ \hline \end{array}$$

$$\begin{array}{r} 874009 \\ - 120866 \\ \hline \end{array}$$

$$\begin{array}{r} 695289 \\ + 853656 \\ \hline \end{array}$$

$$\begin{array}{r} 434662 \\ - 274554 \\ \hline \end{array}$$

$$\begin{array}{r} 761778 \\ + 347559 \\ \hline \end{array}$$

$$\begin{array}{r} 122388 \\ + 690807 \\ \hline \end{array}$$

$$\begin{array}{r} 180573 \\ + 564708 \\ \hline \end{array}$$

$$\begin{array}{r} 564260 \\ - 128523 \\ \hline \end{array}$$

$$\begin{array}{r} 230826 \\ + 968584 \\ \hline \end{array}$$



Name \_\_\_\_\_

Reteaching

**2-3**

# Estimating Sums and Differences

D.4

During one week, Mr. Graham drove a truck to five different towns to make deliveries. Estimate how far he drove in all.

**Mr. Graham's Mileage Log**

Cities	Mileage
Mansley to Mt. Hazel	243
Mt. Hazel to Perkins	303
Perkins to Alberton	279
Alberton to Fort Maynard	277
Fort Maynard to Mansley	352

To estimate the sum, you can round each number to the nearest hundred miles.

$$\begin{array}{rcl} 243 & \Rightarrow & 200 \\ 303 & \Rightarrow & 300 \\ 279 & \Rightarrow & 300 \\ 277 & \Rightarrow & 300 \\ +352 & \Rightarrow & +400 \\ \hline & & 1,500 \text{ mi} \end{array}$$

Mr. Graham drove about 1,500 mi.

You can estimate differences in a similar way.

Estimate  $7.25 - 4.98$ .

You can round each number to the nearest whole number.

$$\begin{array}{rcl} 7.25 & \Rightarrow & 7 \\ -4.98 & \Rightarrow & -5 \\ \hline & & 2 \end{array}$$

The difference is about 2.

Estimate each sum or difference.

1.  $19.7 - 6.9$

\_\_\_\_\_

2.  $59 + 43 + 95$

\_\_\_\_\_

3.  $582 + 169 + 23$

\_\_\_\_\_

4.  $87.99 - 52.46$

\_\_\_\_\_

5. **Estimation** Brigid worked 16.75 h. Kevin worked 12.50 h. About how many more hours did Brigid work than Kevin?
- \_\_\_\_\_

Name \_\_\_\_\_

Practice

**2-3**

# Estimating Sums and Differences

P.5

Estimate each sum or difference.

1.  $5,602 - 2,344$  \_\_\_\_\_ 2.  $7.4 + 3.1 + 9.8$  \_\_\_\_\_

3.  $2,314 + 671$  \_\_\_\_\_ 4.  $54.23 - 2.39$  \_\_\_\_\_

5. Wesley estimated  $5.82 - 4.21$  to be about 2. Is this an overestimate or an underestimate? Explain.

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6. Estimate the total precipitation in inches and the total number of days with precipitation for Asheville and Wichita.

**Average Yearly Precipitation of U.S. Cities**

City	Inches	Days
Asheville, North Carolina	47.71	124
Wichita, Kansas	28.61	85

7. Which numbers should you add to estimate the answer to this problem:  
 $87,087 + 98,000$ ?

A  $88,000 + 98,000$

C  $87,000 + 98,000$

B  $85,000 + 95,000$

D  $80,000 + 90,000$

8. **Estimation** Estimate the total weight of two boxes that weigh 9.4 lb and 62.6 lb using rounding and compatible numbers. Which estimate is closer to the actual total weight? Why?

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Name \_\_\_\_\_

Reteaching

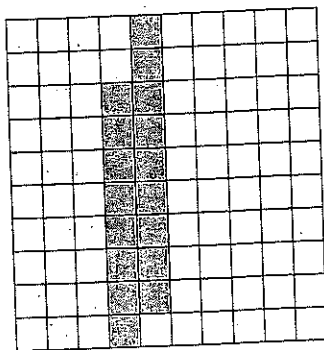
**2-4**

# Modeling Addition and Subtraction of Decimals

D.6

**Adding decimals using a hundredths grid:**

Add  $0.32 + 0.17$ .



**Step 1:** Shade 32 squares to show 0.32.

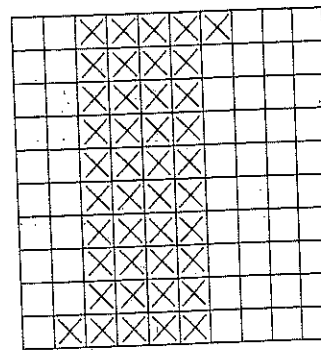
**Step 2:** Use a different color. Shade 17 squares to show 0.17.

**Step 3:** Count all the squares that are shaded. How many hundredths are shaded in all? Write the decimal for the total shaded squares: 0.49.

So,  $0.32 + 0.17 = 0.49$ .

**Subtracting decimals using a hundredths grid:**

Subtract  $0.61 - 0.42$ .



**Step 1:** Shade 61 squares to show 0.61.

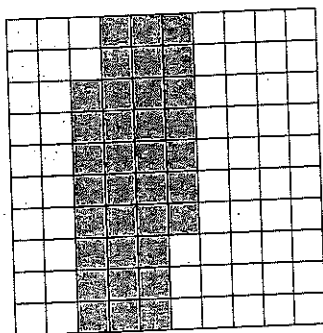
**Step 2:** Cross out 42 squares to show 0.42.

**Step 3:** Count the squares that are shaded but not crossed out. Write the decimal: 0.19.

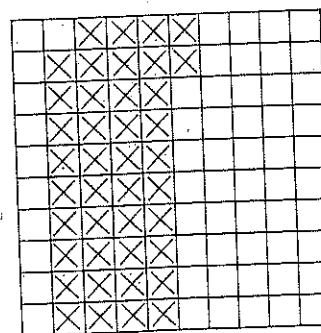
So,  $0.61 - 0.42 = 0.19$ .

Add or subtract. You may use hundredths grids to help.

1.  $0.22 + 0.35 =$  \_\_\_\_\_



2.  $0.52 - 0.41 =$  \_\_\_\_\_

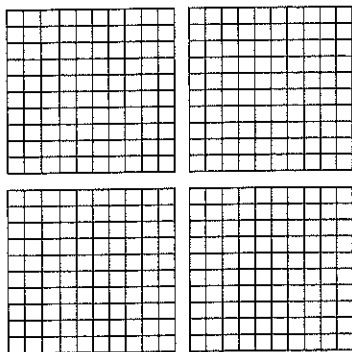


Name \_\_\_\_\_

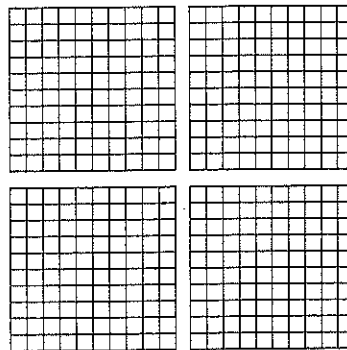
## Practice It

Add. Shade the decimal models.

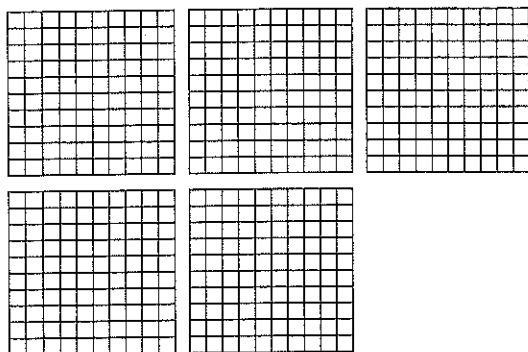
3.  $2.46 + 1.13 =$  \_\_\_\_\_



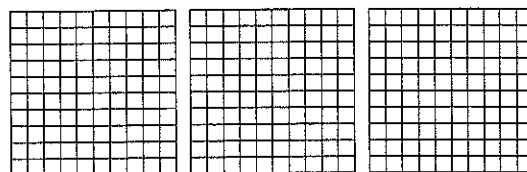
4.  $2.05 + 1.87 =$  \_\_\_\_\_



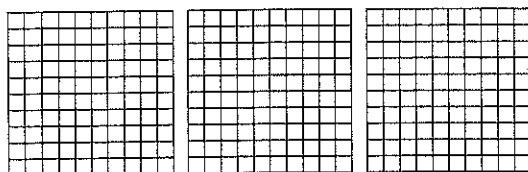
5.  $2.91 + 1.8 =$  \_\_\_\_\_



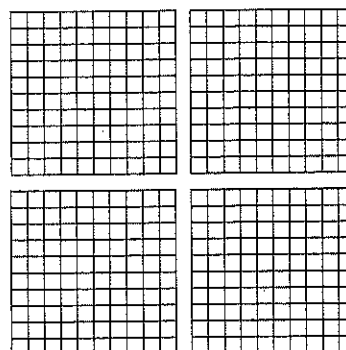
6.  $1.34 + 1.15 =$  \_\_\_\_\_



7.  $1.74 + 0.36 =$  \_\_\_\_\_



8.  $2.05 + 1.12 =$  \_\_\_\_\_

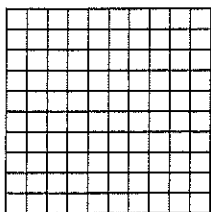


Name \_\_\_\_\_

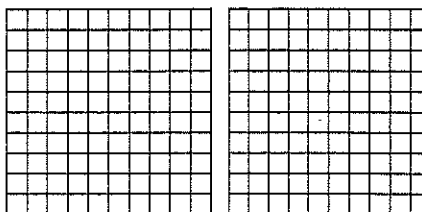
## Practice It

Subtract. Use decimal models.

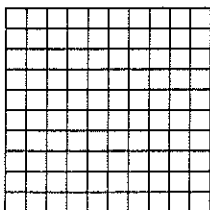
2.  $0.93 - 0.7 =$  \_\_\_\_\_



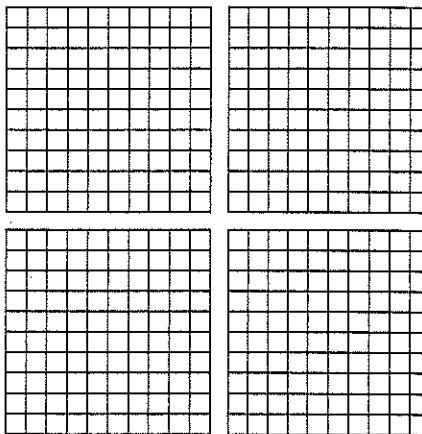
3.  $1.53 - 1.41 =$  \_\_\_\_\_



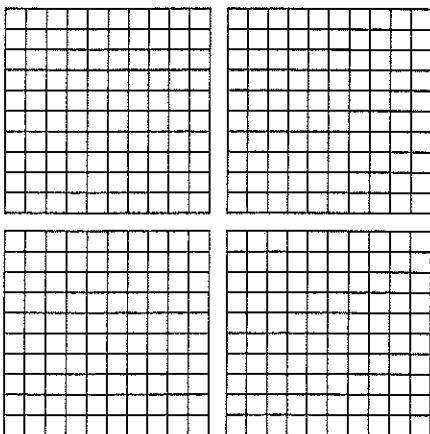
4.  $0.9 - 0.3 =$  \_\_\_\_\_



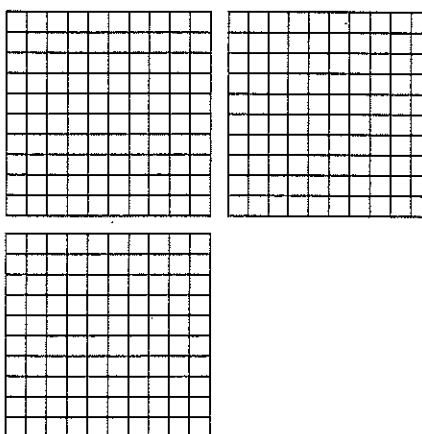
5.  $3.94 - 0.4 =$  \_\_\_\_\_



6.  $3.55 - 0.1 =$  \_\_\_\_\_



7.  $2.4 - 0.9 =$  \_\_\_\_\_



Name \_\_\_\_\_

Practice

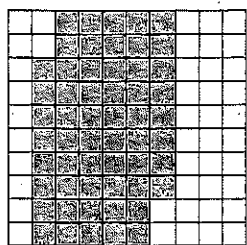
**2-4**

(p.9)

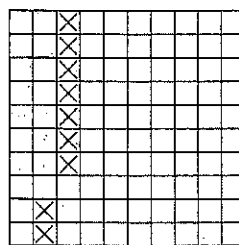
# Modeling Addition and Subtraction of Decimals

Add or subtract. Use hundredths grids if necessary.

1.  $0.12 + 0.56 =$  \_\_\_\_\_



2.  $0.27 - 0.09 =$  \_\_\_\_\_



3.  $0.86 + 0.54 =$  \_\_\_\_\_

4.  $1.27 + 0.75 =$  \_\_\_\_\_

5.  $0.93 - 0.25 =$  \_\_\_\_\_

6.  $1.07 - 0.61 =$  \_\_\_\_\_

7.  $1.13 - 1.02 =$  \_\_\_\_\_

8.  $0.28 + 1.96 =$  \_\_\_\_\_

9. Is the difference of  $1.45 - 0.12$  less than or greater than 1? \_\_\_\_\_

10. A bottle of nail polish holds 0.8 ounce. A bottle of perfume holds 0.45 ounce. How many more ounces does a bottle of nail polish hold? \_\_\_\_\_

11. Add:  $1.18 + 1.86$

A 2.04

B 2.94

C 3.04

D 3.14

12. **Writing to Explain** Explain how to use hundredths grids to subtract  $1.65 - 0.98$ .

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Name \_\_\_\_\_

Reteaching

**2-6**

# Adding Decimals

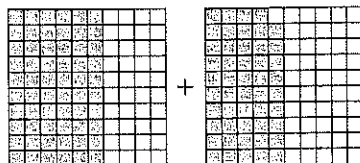
In February, Chantell ran a 5K race in 0.6 hour. She ran another 5K race in May in 0.49 hour. What was her combined time for the two races?

*p. 10*

**Step 1:** Write the numbers, lining up the decimal points. Include the zeros to show place value.

$$\begin{array}{r} 0.60 \\ + 0.49 \\ \hline \end{array}$$

You can use decimal squares to represent this addition problem.



**Step 2:** Add the hundredths.

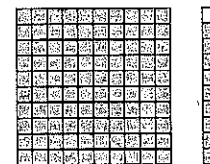
$$\begin{array}{r} 0.60 \\ + 0.49 \\ \hline 9 \end{array}$$



**Step 3:** Add the tenths.

Remember to write the decimal point in your answer.

$$\begin{array}{r} 1 \\ 0.60 \\ + 0.49 \\ \hline 1.09 \end{array}$$



Chantell's combined time for the two races was 1.09 hours.

Add.

1.  $2.97 + 0.35 =$  \_\_\_\_\_
2.  $13.88 + 7.694 =$  \_\_\_\_\_
3.  $39.488 + 26.7 =$  \_\_\_\_\_
4.  $88.8 + 4.277 + 78.95 =$  \_\_\_\_\_
5. Is 16.7 a reasonable sum for  $7.5 + 9.2$ ? Explain.

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6. How much combined snowfall was there in Milwaukee and Oklahoma City?

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City	Snowfall (inches) in 2000
Milwaukee, WI	87.8
Baltimore, MD	27.2
Oklahoma City, OK	17.3

Name \_\_\_\_\_

Practice

**2-6**

# Adding Decimals

P. 11

Add.

1. 
$$\begin{array}{r} 58.0 \\ + 3.6 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 40.5 \\ + 22.3 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 34.587 \\ + 21.098 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 43.1000 \\ + 8.4388 \\ \hline \end{array}$$

5.  $16.036 + 7.009 =$  \_\_\_\_\_

6.  $92.30 + 0.32 =$  \_\_\_\_\_

7. Reilly adds 45.3 and 3.21. Should his sum be greater than or less than 48? Tell how you know.

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In science class, students weighed different amounts of tin. Carmen weighed 4.361 g, Kim weighed 2.704 g, Simon weighed 5.295 g, and Angelica weighed 8.537 g.

8. How many grams of tin did Carmen and Angelica have combined?

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9. How many grams of tin did Kim and Simon have combined?

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10. In December the snowfall was 0.03 in. and in January it was 2.1 in. Which was the total snowfall?

A 3.2 in.

B 2.40 in.

C 2.13 in.

D 0.03 in.

11. **Writing to Explain** Explain why it is important to line up decimal numbers by their place value when you add or subtract them.

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p. 12

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve, and then write the sum in standard form. Use a place value chart if necessary.

a. 1 tenth + 2 tenths = \_\_\_\_\_ tenths = \_\_\_\_\_

b. 14 tenths + 9 tenths = \_\_\_\_\_ tenths = \_\_\_\_\_ one(s) \_\_\_\_\_ tenth(s) = \_\_\_\_\_

c. 1 hundredth + 2 hundredths = \_\_\_\_\_ hundredths = \_\_\_\_\_

d. 27 hundredths + 5 hundredths = \_\_\_\_\_ hundredths = \_\_\_\_\_ tenths \_\_\_\_\_ hundredths = \_\_\_\_\_

e. 1 thousandth + 2 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_

f. 35 thousandths + 8 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_ hundredths \_\_\_\_\_ thousandths = \_\_\_\_\_

g. 6 tenths + 3 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_

h. 7 ones 2 tenths + 4 tenths = \_\_\_\_\_ tenths = \_\_\_\_\_

i. 2 thousandths + 9 ones 5 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_

2. Solve using the standard algorithm.

a. $0.3 + 0.82 =$ _____	b. $1.03 + 0.08 =$ _____
c. $7.3 + 2.8 =$ _____	d. $57.03 + 2.08 =$ _____

P. 13

e.  $62.573 + 4.328 = \underline{\hspace{2cm}}$

f.  $85.703 + 12.197 = \underline{\hspace{2cm}}$

3. Van Cortlandt Park's walking trail is 1.02 km longer than Marine Park's. Central Park's walking trail is 0.242 km longer than Van Cortlandt's.

a. Fill in the missing information in the chart below.

New York City Walking Trails	
Central Park	$\underline{\hspace{2cm}}$ km
Marine Park	1.28 km
Van Cortlandt Park	$\underline{\hspace{2cm}}$ km

- b. If a tourist walked all 3 trails in a day, how many kilometers would he or she have walked?

4. Meyer has 0.64 GB of space remaining on his iPod. He wants to download a pedometer app (0.24 GB), a photo app (0.403 GB), and a math app (0.3 GB). Which combinations of apps can he download? Explain your thinking.



p. 14

Name \_\_\_\_\_

Date \_\_\_\_\_

## 1. Solve.

a. 3 tenths + 4 tenths = \_\_\_\_\_ tenths

b. 12 tenths + 9 tenths = \_\_\_\_\_ tenths = \_\_\_\_\_ one(s) \_\_\_\_\_ tenth(s)

c. 3 hundredths + 4 hundredths = \_\_\_\_\_ hundredths

d. 27 hundredths + 7 hundredths = \_\_\_\_\_ hundredths = \_\_\_\_\_ tenths \_\_\_\_\_ hundredths

e. 4 thousandths + 3 thousandths = \_\_\_\_\_ thousandths

f. 39 thousandths + 5 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_ hundredths \_\_\_\_\_ thousandths

g. 5 tenths + 7 thousandths = \_\_\_\_\_ thousandths

h. 4 ones 4 tenths + 4 tenths = \_\_\_\_\_ tenths

i. 8 thousandths + 6 ones 8 thousandths = \_\_\_\_\_ thousandths

## 2. Solve using the standard algorithm.

a.  $0.4 + 0.7 =$  \_\_\_\_\_

b.  $2.04 + 0.07 =$  \_\_\_\_\_

c.  $6.4 + 3.7 =$  \_\_\_\_\_

d.  $56.04 + 3.07 =$  \_\_\_\_\_

p.15

e.  $72.564 + 5.137 =$  \_\_\_\_\_

f.  $75.604 + 22.296 =$  \_\_\_\_\_

3. Walkway Over the Hudson, a bridge that crosses the Hudson River in Poughkeepsie, is 2.063 kilometers long. Anping Bridge, which was built in China 850 years ago, is 2.07 kilometers long.
- a. What is the total span of both bridges? Show your thinking.
- b. Leah likes to walk her dog on the Walkway Over the Hudson. If she walks across and back, how far will she and her dog walk?
4. For his parents' anniversary, Danny spends \$5.87 on a photo. He also buys a balloon for \$2.49 and a box of strawberries for \$4.50. How much money does he spend all together?

Name \_\_\_\_\_

Reteaching

**2-7**

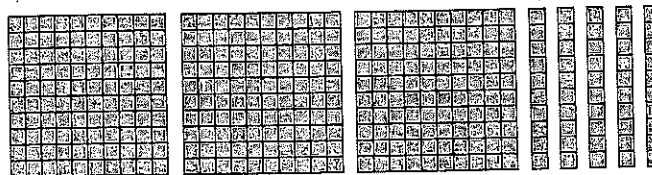
# Subtracting Decimals

Mr. Montoya bought 3.5 lb of ground beef. He used 2.38 lb to make hamburgers. How much ground beef does he have left?

*p. 16*

**Step 1:** Write the numbers, lining up the decimal points. Include the zeros to show place value.

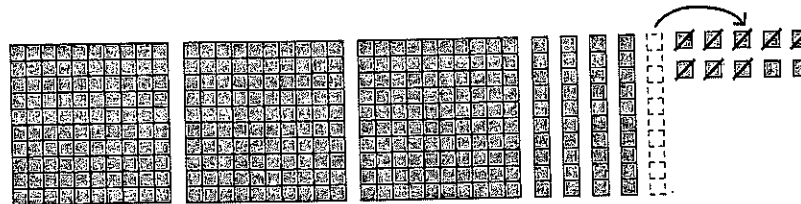
$$\begin{array}{r} 3.50 \\ -2.38 \\ \hline \end{array}$$



You can use decimal squares to represent this subtraction problem.

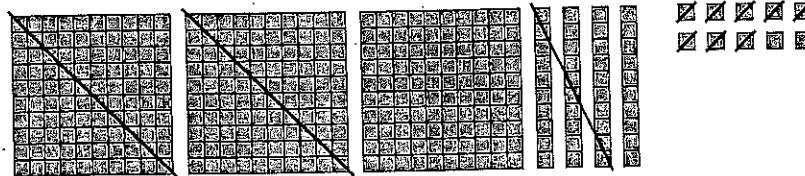
**Step 2:** Subtract the hundredths. Regroup if you need to.

$$\begin{array}{r} 4 \text{ } 10 \\ 3.50 \\ -2.38 \\ \hline 2 \end{array}$$



**Step 3:** Subtract the tenths and the ones. Remember to write the decimal point in your answer.

$$\begin{array}{r} 4 \text{ } 10 \\ 3.50 \\ -2.38 \\ \hline 1.12 \end{array}$$



Mr. Montoya has 1.12 lb of ground beef left over.

Subtract.

1. 
$$\begin{array}{r} 82.7 \\ -5.59 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 43.3 \\ -12.82 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 7.28 \\ -4.928 \\ \hline \end{array}$$

Name \_\_\_\_\_

Practice

**2-7**

# Subtracting Decimals

Subtract.

1. 
$$\begin{array}{r} 92.1 \\ - 32.6 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 52.7 \\ - 36.9 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 85.76 \\ - 12.986 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 32.7 \\ - 2.328 \\ \hline \end{array}$$

5.  $8.7 - 0.3 =$  \_\_\_\_\_

6.  $23.3 - 1.32 =$  \_\_\_\_\_

7. Kelly subtracted 2.3 from 20 and got 17.7. Explain why this answer is reasonable.

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At a local swim meet, the second-place swimmer of the 100-m freestyle had a time of 9.33 sec. The first-place swimmer's time was 1.32 sec faster than the second-place swimmer. The third-place time was 13.65 sec.

8. What was the time for the first-place swimmer? \_\_\_\_\_

9. What was the difference in time between the second- and third-place swimmers? \_\_\_\_\_

10. Miami's annual precipitation in 2000 was 61.05 in. Albany's was 46.92 in. How much greater was Miami's precipitation than Albany's?

A 107.97 in.      B 54.31 in.      C 14.93 in.      D 14.13 in.

11. **Writing to Explain** Explain how to subtract 7.6 from 20.39.

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P.18

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Subtract, writing the difference in standard form. You may use a place value chart to solve.

a. 5 tenths  $-$  2 tenths = \_\_\_\_\_ tenths = \_\_\_\_\_

b. 5 ones 9 thousandths  $-$  2 ones = \_\_\_\_\_ ones \_\_\_\_\_ thousandths = \_\_\_\_\_

c. 7 hundreds 8 hundredths  $-$  4 hundredths = \_\_\_\_\_ hundreds \_\_\_\_\_ hundredths = \_\_\_\_\_

d. 37 thousandths  $-$  16 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_

2. Solve using the standard algorithm.

a.  $1.4 - 0.7 =$  \_\_\_\_\_

b.  $91.49 - 0.7 =$  \_\_\_\_\_

c.  $191.49 - 10.72 =$  \_\_\_\_\_

d.  $7.148 - 0.07 =$  \_\_\_\_\_

e.  $60.91 - 2.856 =$  \_\_\_\_\_

f.  $361.31 - 2.841 =$  \_\_\_\_\_

P.19

3. Solve.

a. 10 tens – 1 ten 1 tenth	b. 3 – 22 tenths	c. 37 tenths – 1 one 2 tenths
d. 8 ones 9 hundredths – 3.4	e. 5.622 – 3 hundredths	f. 2 ones 4 tenths – 0.59

4. Mrs. Fan wrote *5 tenths minus 3 hundredths* on the board. Michael said the answer is 2 tenths because 5 minus 3 is 2. Is he correct? Explain.

5. A pen costs \$2.09. It costs \$0.45 less than a marker. Ken paid for one pen and one marker with a five-dollar bill. Use a tape diagram with calculations to determine his change.

p. 20

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Subtract. You may use a place value chart.

a. 9 tenths  $-$  3 tenths = \_\_\_\_\_ tenths

b. 9 ones 2 thousandths  $-$  3 ones = \_\_\_\_\_ ones \_\_\_\_\_ thousandths

c. 4 hundreds 6 hundredths  $-$  3 hundredths = \_\_\_\_\_ hundreds \_\_\_\_\_ hundredths

d. 56 thousandths  $-$  23 thousandths = \_\_\_\_\_ thousandths = \_\_\_\_\_ hundredths \_\_\_\_\_ thousandths

2. Solve using the standard algorithm.

a.  $1.8 - 0.9 =$  \_\_\_\_\_

b.  $41.84 - 0.9 =$  \_\_\_\_\_

c.  $341.84 - 21.92 =$  \_\_\_\_\_

d.  $5.182 - 0.09 =$  \_\_\_\_\_

e.  $50.416 - 4.25 =$  \_\_\_\_\_

f.  $741 - 3.91 =$  \_\_\_\_\_

p. 21

3. Solve.

a. 30 tens – 3 tens 3 tenths	b. 5 – 16 tenths	c. 24 tenths – 1 one 3 tenths
d. 6 ones 7 hundredths – 2.3	e. 8.246 – 5 hundredths	f. 5 ones 3 tenths – 0.53

4. Mr. House wrote *8 tenths minus 5 hundredths* on the board. Maggie said the answer is 3 hundredths because 8 minus 5 is 3. Is she correct? Explain.
5. A clipboard costs \$2.23. It costs \$0.58 more than a notebook. Lisa bought two clipboards and one notebook. She paid with a ten-dollar bill. How much change does Lisa get? Use a tape diagram to show your thinking.



p. 22

Solve.

1

tens	ones	.	tenths	hundredths
	0	.	5	6
+	0	.	3	2

$0.56 + 0.32$

$$\begin{array}{r} 0.56 \\ + 0.32 \\ \hline \end{array}$$

2

tens	ones	.	tenths	hundredths
	0	.	9	0
-	0	.	1	1

$0.9 - 0.11$

$$\begin{array}{r} 0.90 \\ - 0.11 \\ \hline \end{array}$$

3

$5.07 + 3.7$

$$\begin{array}{r} 5.07 \\ + 3.7 \\ \hline \end{array}$$

4

$0.8 + 0.22$

$$\begin{array}{r} 0.80 \\ + 0.22 \\ \hline \end{array}$$

5

$5.9 - 5.1$

$$\begin{array}{r} 5.9 \\ - 5.1 \\ \hline \end{array}$$

6

$1.77 - 0.65$

$$\begin{array}{r} 1.77 \\ - 0.65 \\ \hline \end{array}$$

7

$0.78 + 0.27$

$$\begin{array}{r} 0.78 \\ + 0.27 \\ \hline \end{array}$$

8

$0.41 + 0.87$

$$\begin{array}{r} 0.41 \\ + 0.87 \\ \hline \end{array}$$

9

$0.28 - 0.14$

$$\begin{array}{r} 0.28 \\ - 0.14 \\ \hline \end{array}$$

10

$0.68 - 0.09$

$$\begin{array}{r} 0.68 \\ - 0.09 \\ \hline \end{array}$$

11

$1.98 + 1.9$

$$\begin{array}{r} 1.98 \\ + 1.90 \\ \hline \end{array}$$

12

$3.52 - 0.61$

$$\begin{array}{r} 3.52 \\ - 0.61 \\ \hline \end{array}$$

13

$2.98 - 0.69$

$$\begin{array}{r} 2.98 \\ - 0.69 \\ \hline \end{array}$$

14

$9.38 - 0.93$

$$\begin{array}{r} 9.38 \\ - 0.93 \\ \hline \end{array}$$



Tell how you can use a place value chart to add decimals.

ame \_\_\_\_\_

p. 23

Solve.

①

$1.7 + 0.38 = \underline{\hspace{2cm}}$

②

$2.6 - 0.72 = \underline{\hspace{2cm}}$

③

$3.65 + 1.52 = \underline{\hspace{2cm}}$

④

$40.7 - 0.38 = \underline{\hspace{2cm}}$

⑤

$15.06 + 10.5 = \underline{\hspace{2cm}}$

⑥

$5.06 - 1.9 = \underline{\hspace{2cm}}$

⑦

$7.8 - 4.08 = \underline{\hspace{2cm}}$

⑧

$20.6 + 20.01 = \underline{\hspace{2cm}}$

⑨

$4.33 - 0.43 = \underline{\hspace{2cm}}$

⑩

$17.3 - 3.4 = \underline{\hspace{2cm}}$

⑪

$6.02 + 0.89 = \underline{\hspace{2cm}}$

⑫

$6.33 + 0.63 = \underline{\hspace{2cm}}$

⑬

$9.8 - 2.12 = \underline{\hspace{2cm}}$

⑭

$9.08 + 3.62 = \underline{\hspace{2cm}}$

⑮

$4.03 - 3.37 = \underline{\hspace{2cm}}$

⑯

$1.56 + 1.64 = \underline{\hspace{2cm}}$

⑰

$5.36 + 1.44 = \underline{\hspace{2cm}}$

⑱

$10.1 + 1.01 = \underline{\hspace{2cm}}$

⑲

$7.6 - 0.93 = \underline{\hspace{2cm}}$

⑳

$2.85 - 0.81 = \underline{\hspace{2cm}}$

㉑

$4.93 + 4.62 = \underline{\hspace{2cm}}$

㉒

$12.8 + 0.02 = \underline{\hspace{2cm}}$

㉓

$3.8 - 3.42 = \underline{\hspace{2cm}}$

㉔

$508.1 - 37.61 = \underline{\hspace{2cm}}$



Tell how you can use addition to check your subtraction.

\$0.24

Solve.

- 1 What is the sum of 7.8 and 7.02?
  - 2 What is the difference between 13.04 and 12.06?
- 
- 3 Sara bought a loaf of bread for \$3.49 and a gallon of milk for \$4.50. How much more did the milk cost?
  - 4 Jamal put \$0.75 in the parking meter. An hour later, he added another \$0.50. How much did he put in the meter in all?
- 
- 5 The salmon weighs 8.5 pounds. The mackerel weighs 6.62 pounds. How much do the two fish weigh in all?
  - 6 Keith jumps 7.25 feet on the standing long jump. Tanya jumps 6.62 feet. How much farther can Keith jump?

Circle the letter for the correct answer.

- 7 The race is 10 kilometers. Tom has run 7.43 kilometers so far. How much farther does he need to run in order to finish the race?  
a) 2.57 km  
b) 2.67 km  
c) 3.57 km  
d) 3.67 km
- 8 The first song in the dance routine is 1.75 minutes long. The second song is 2.5 minutes. What is the combined time of both songs?  
a) 2.0 minutes  
b) 3.8 minutes  
c) 3.25 minutes  
d) 4.25 minutes



3. Solve by rewriting the number sentence in fraction form. After solving, rewrite the complete number sentence in decimal form.

a. $6.4 + 5.3$	b. $6.62 + 2.98$
c. $2.1 + 0.94$	d. $2.1 + 5.94$
e. $5.7 + 4.92$	f. $5.68 + 4.9$
g. $4.8 + 3.27$	h. $17.6 + 3.59$



3. Solve by rewriting the number sentence in fraction form. After solving, rewrite the complete number sentence in decimal form.

a. $2.1 + 0.87 = 2\frac{1}{10} + \frac{87}{100}$	b. $7.2 + 2.67$
c. $7.3 + 1.8$	d. $7.3 + 1.86$
e. $6.07 + 3.93$	f. $6.87 + 3.9$
g. $8.6 + 4.67$	h. $18.62 + 14.7$





Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve. Convert tenths to hundredths before finding the sum. Rewrite the complete number sentence in decimal form. Problems 1(a) and 1(b) are partially completed for you.

a. $5\frac{2}{10} + \frac{7}{100} = 5\frac{20}{100} + \frac{7}{100} = \underline{\hspace{2cm}}$  $5.2 + 0.07 = \underline{\hspace{2cm}}$	b. $5\frac{2}{10} + 3\frac{7}{100} = 8\frac{20}{100} + \frac{7}{100} = \underline{\hspace{2cm}}$
c. $6\frac{5}{10} + \frac{1}{100}$	d. $6\frac{5}{10} + 7\frac{1}{100}$

2. Solve. Then, rewrite the complete number sentence in decimal form.

a. $4\frac{9}{10} + 5\frac{10}{100}$	b. $8\frac{7}{10} + 2\frac{65}{100}$
c. $7\frac{3}{10} + 6\frac{87}{100}$	d. $5\frac{48}{100} + 7\frac{8}{10}$

