

# EXERCISES

 For more practice, see *Extra Practice*.

## A Practice by Example

**Example 1**  
(page 25)

**First estimate and then find each sum.**

1.  $0.6 + 3.4$                       2.  $6.2 + 0.444$                       3.  $8.001 + 0.77$   
4.  $7 + 11.436 + 3.08$               5.  $0.445 + 8.99 + 3$               6.  $0.33 + 1.11 + 3.2$

**Example 2**  
(page 26)

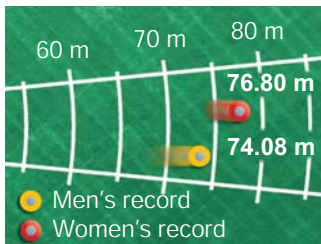
**Use mental math to find each sum.**

7.  $0 + 5.7 + 4$                       8.  $1.060 + 0 + 2.705$               9.  $8.37 + 1.4 + 2.6$   
10.  $3.21 + 4.33 + 1.67$               11.  $18 + 6.354 + 102$               12.  $7.81 + 5.23 + 0.19$


**Examples 3, 4**  
(pages 26, 27)

**First estimate and then find each difference.**


13.  $22.2 - 4.3$               14.  $8.91 - 6.08$               15.  $9.45 - 3.76$               16.  $9.1 - 6.05$   
17.  $0.8 - 0.126$               18.  $4 - 1.29$                       19.  $60 - 2.037$               20.  $9 - 0.45$




21. **Data Analysis** Use the graph at the left. How much greater is the women's world-record discus throw than the men's?

 22. **Bicycles** At one store, an 18-speed bicycle costs \$174.99. At another store, the same bicycle costs \$222.98. What is the difference in prices?

## B Apply Your Skills

 23. **Money** Jonah had \$340.87 in his checking account. He withdrew \$52 and wrote a check for \$18.72. Find the new balance.

 24. **Population** In the 2000 Census, the New England states had a total population of about 13.92 million. Find the population of Maine.

State	Population
Connecticut	3.41 million
Maine	■
Massachusetts	6.35 million
New Hampshire	1.24 million
Rhode Island	1.05 million
Vermont	0.61 million

25. **Choose a Method** A hot-dog vendor receives \$20 for a \$5.25 purchase. Is the vendor most likely to use estimation, mental math, paper and pencil, or a calculator to determine the amount of change? Why?

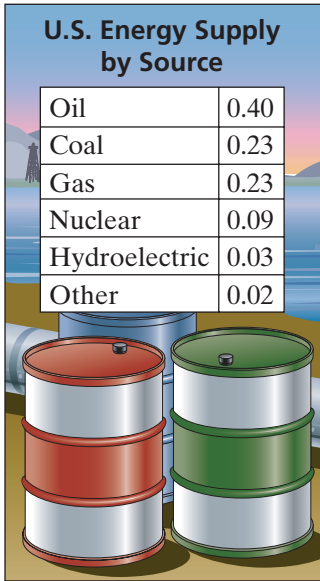
SOURCE: U.S. Census Bureau.  
Go to [www.PHSchool.com](http://www.PHSchool.com) for a data update.  
Web Code: aag-2041

**Use  $<$ ,  $=$ , or  $>$  to complete each statement.**

26.  $0.041 + 0.009$  ■  $0.5$                       27.  $0.315 + 0.14 + 0.05$  ■  $0.5$   
28.  $6,869.583 + 1,504.222$  ■  $8,373.8$               29.  $97,655.5 - 89,281.7$  ■  $8,373.8$

Find each missing number. Name the property of addition that you used.

30.  $6.37 + \blacksquare + 2.43 = 6.37 + 2.43$       31.  $0.43 + \blacksquare = 0.43$   
 32.  $(2.1 + 0.3) + 4 = 2.1 + (\blacksquare + 4)$       33.  $\blacksquare + 8.9 = 8.9 + 7.5$   
 34.  $(6 + 1.1) + \blacksquare = 6 + (1.1 + 5.9)$       35.  $6.4 + 3.1 = \blacksquare + 6.4$   
 36.  $(5.6 + 0.4) + 0.1 = (0.4 + 5.6) + \blacksquare$



SOURCE: Energy Information Administration

**Data Analysis** Refer to the data at the left.

37. Add the numbers in the table. What does this sum represent?  
 38. **Writing in Math** What part of all the energy is produced from oil and coal? Is it more than half? Explain.  
 39. **Estimation** Which natural resource produces an amount of energy approximately  $\frac{1}{3}$  that of nuclear power?  
 40. **Modeling** Make a hundredths model showing the part of all energy produced by each natural resource.

41. **Data File, p. 3** Your friend drew the hieroglyph below to show that a pharaoh had 3,290 cattle.  
 a. Is he correct? Explain.  
 b. How would you correctly write 3,290 as a hieroglyph?



**C Challenge**

**Data Analysis** When you order clothes, you usually pay a shipping charge. Use the information in the charts.

**T-Shirts and Sweatshirts For Sale**



**Adult T-shirt** (M-XL) \$15.00 (XXL) \$17.95  
**Adult Sweatshirt** (M-XL) \$29.50 (XXL) \$29.95



**Child's T-shirt** \$12.50  
**Child's Sweatshirt** \$16.95

**Shipping Charges**

Order Amount	Charge
Under \$25.00	\$3.95
\$25.00 – \$39.99	\$4.95
\$40.00 – \$49.99	\$5.95
\$50.00 – \$74.99	\$6.95
\$75.00 – \$99.99	\$7.95
\$100.00 and over	\$8.95

42. a. A customer orders one adult sweatshirt (size XXL) and three child's T-shirts. What is the amount of the order?  
 b. Find the shipping charge and the total.  
 43. A customer orders one adult T-shirt (size M) and one adult sweatshirt (size XL). Find the total cost, including the shipping charge.

Use  $<$ ,  $=$ , or  $>$  to complete each statement.

44.  $8,863.0024 - 486.2024 \blacksquare 8,373.8$

45.  $2,562.031 + 4,792.019 \blacksquare 7,354.05$

46. **Stretch Your Thinking** Complete the number square at the right. The sum for each row, column, and diagonal should be 1.47.

0.76	$\blacksquare$	0.58
0.31	$\blacksquare$	$\blacksquare$
$\blacksquare$	$\blacksquare$	$\blacksquare$



## Test Prep

### Multiple Choice

47. Which statement is NOT true?

A.  $10.3 = 10.30$

B.  $8.39 > 7.98$

C.  $4.9 < 4.889$

D.  $5.09 < 5.1$

48. Which statement represents the Commutative Property of Addition?

F.  $1 + 7 = 8$

G.  $2 + 9 = 9 + 2$

H.  $3 + 6 = 4 + 5$

I.  $10 + 0 = 10$

49. At a baseball game, you order nachos for \$4.75 and two drinks for \$3.25 each. You pay with a \$20 bill. How much change will you get?

A. \$8.00

B. \$8.75

C. \$11.25

D. \$12.00

50. Replacing the box with which number will make  $0.22 + 0.\blacksquare 8 > 0.5$  true?

F. 0

G. 1

H. 2

I. 3



### Take It to the NET

Online lesson quiz at  
[www.PHSchool.com](http://www.PHSchool.com)

Web Code: aaa-0105

## Mixed Review

### Lesson 1-4

Round each number to the place of the underlined digit.

51.  $20,\underline{5}67$

52.  $0.13\underline{2}9$

53.  $0.\underline{0}93$

54.  $5.6\underline{1}84$

55.  $6,\underline{4}56$