

2.4 Practice B**Add.**

1. $9.241 + 3.64$

2. $6.72 + 9.8$

3. $14.068 + 12.337$

4. $21.389 + 10.852$

5. $17.004 + 24.987$

6. $16.556 + 17.618$

Subtract.

7. $8.79 - 2.53$

8. $7.328 - 6.54$

9. $12.026 - 7.51$

10. $20.75 - 11.132$

11. $21.708 - 18.768$

12. $24.53 - 21.952$

13. The large bottle of nasal spray is 9.46 centimeters tall. The small bottle is 5.29 centimeters tall. How much shorter is the small bottle than the large bottle?

Evaluate the expression.

14. $8.42 + 10.43 + 8.507$

15. $25.46 - 13.49 + 5.647$

16. $9.245 + 14.52 - 17.423$

17. $20.497 - 4.52 - 8.779$

18. $26.742 + 15.146 - 8.074$

19. $24.699 - 12.524 - 8.67$

20. The table shows the dimensions, in inches, of two picture frames that are in the shape of right triangles.

- a. How much larger is the hypotenuse of Frame A than Frame B?

	Leg 1	Leg 2	Hypotenuse
Frame A	3	6.2	6.888
Frame B	4.2	5.1	6.607

- b. What is the perimeter of Frame A?

- c. What is the perimeter of Frame B?

- d. What is the sum of the two perimeters?

- e. Find the sum of the two legs of each picture frame. Which frame has the larger sum of two legs?

21. At Station M, the price of gas is \$3.319 per gallon and the price of diesel is \$4.429 per gallon. You buy 2 gallons of gas and your friend buys 2 gallons of diesel. How much more did your friend pay?

2.5

Practice B

How many decimal places are in the product?

1. 2.37×0.8 2. 21.6×5.7 3. 6.25×0.25

Multiply.

4. 0.48×15 5. 7.4×5 6. 9.25×16

7. 2.84×21 8. 0.042×4 9. 0.035×7

10. 10×0.065 11. 18×0.012 12. 4×0.0137

13.
$$\begin{array}{r} 0.5 \\ \times 0.3 \\ \hline \end{array}$$
 14.
$$\begin{array}{r} 0.49 \\ \times 0.8 \\ \hline \end{array}$$
 15.
$$\begin{array}{r} 0.0015 \\ \times 0.004 \\ \hline \end{array}$$

16. 3.128×2.45 17. 100×0.0059 18. 3.659×3.126

19. The table shows the cost (in cents) of producing and distributing each coin for two years.

Coin	2000	2007
Quarter	4.38	9.78
Dime	1.92	4.09
Nickel	3.16	9.53
Penny	0.82	1.67

a. Which coins cost less to make than they are worth?
Which coins cost more to make than they are worth?

b. How much more does it cost to produce 50 of each coin in 2007 than in 2000?

20. A store is selling sculptures. The first week, it prices 6 sculptures at \$80 each. After each week, if a sculpture is not sold, it will be priced to sell for 0.85 times the previous week's price. The store needs to sell the 6 sculptures for a total of at least \$270 to make a profit. What is the last week in which all 6 sculptures could be sold so that the store makes a profit?

21. Which is greater, $7.8 \cdot (6.9 + 3.5)$ or $7.8 + (6.9 \cdot 3.5)$? Explain your answer.

Describe the pattern. Find the next three numbers.

22. 0.7, 2.1, 6.3, 18.9, ... 23. 0.13, 0.65, 3.25, 16.25, ...

24. 2, 0.04, 0.0008, 0.000016, ... 25. 6, 1.8, 0.54, 0.162, ...

2.6 Practice B

Divide. Use estimation to check your answer.

1. $9\overline{)7.2}$

2. $6\overline{)38.4}$

3. $5\overline{)32.5}$

4. $1.08 \div 4$

5. $77.6 \div 8$

6. $60.2 \div 7$

7. $0.252 \div 9$

8. $42.66 \div 18$

9. $72.96 \div 16$

10. The table shows the ounces and costs of three boxes of the same cereal. Which box of cereal is the best buy? Explain.

Ounces	Cost
12	\$2.88
18	\$3.96
28	\$6.44

Evaluate the expression.

11. $23.4 + 34.4 \div 4$

12. $28.65 \div 5 - 4.85$

13. $21.5 \div 5 \times 8$

14. $7.3 \times 3.6 \div 9$

15. $79.8 \div 7 \div 3$

16. $18.1 \times (9.6 \div 6)$

Divide. Check your answer.

17. $1.4\overline{)28.7}$

18. $0.25\overline{)3.15}$

19. $6.3\overline{)107.1}$

20. $10.16 \div 0.08$

21. $39.42 \div 7.2$

22. $75.25 \div 0.025$

23. $0.272 \div 0.016$

24. $78 \div 0.26$

25. $1.836 \div 0.0027$

26. You are saving your money to buy a guitar that costs \$275.75. You have \$40 and plan to save \$7.50 each week. Your uncle decides to give you an additional \$8 each week.

- How many weeks will you have to save until you have enough money to buy the guitar?
- How many more weeks would you have to save to buy a guitar that costs \$339.75? Explain how you found your answer.

Divide. Round to the nearest hundredth if necessary.

27. $30.48 \div 2.4$

28. $4.657 \div 0.35$

29. $60.258 \div 7.3$

Without finding the quotient, copy and complete the statement using $<$, $>$, or $=$.

30. $4.58 \div 0.57$? $45.8 \div 0.57$

31. $24.5 \div 0.4$? $24.5 \div 4$