

# 1.17

## Word Problem Using Subtraction

### • Example 1

Tory has \$37 in his wallet. He is thinking about buying a \$24 pair of pants and a \$10 shirt. If he buys them both, how much money will he have left?

First we must add the cost of the pants and the shirt

$$24 + 10 = 34$$

Now, that amount must be subtracted from the \$37.

$$37 - 34 = 3$$

He will have \$3 left.

### ● ● ● CHECK YOURSELF 1

Sonya has \$97 left in her checking account. If she writes checks for \$12, \$32, and \$21, how much will she have left in the account?

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### ● ● ● CHECK YOURSELF ANSWER

1. \$32.

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# 1.17 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

Solve the following applications.

**1. Test scores.** Danielle's score on a math test was 87 while Tony's score was 23 points less than Danielle's. What was Tony's score on the test?

**2. New pay.** Monica's monthly pay of \$879 was decreased by \$175 for withholding. What amount of pay did she receive?

**3. Number problem.** The difference between two numbers is 134. If the larger number is 655, what is the smaller number?

**4. Family budget.** In Jason's monthly budget, he set aside \$375 for housing, and \$165 less than that for food. How much did he budget for food?

**5. Consumer purchases.** Brenda has \$228 in cash and wants to buy a television set that costs \$449. How much more money does she need?

**6. Voting.** A bond election for schools has the following results: yes, 3457 votes; no, 3125 votes. By how many votes did the bond pass?

**7. Distance traveled.** At the beginning of a trip your odometer reads 21,342 miles, and at the end it reads 22,578 mi. How far did you drive?

8. **Consumer purchases.** Alan owes \$598 after buying a stereo. If he makes a payment of \$175, how much does he still owe?

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

9. **Consumer affairs.** Miryam bought a new Toyota with a list price of \$8958 and was given a discount of \$725. How much did she pay for the car?

12. \_\_\_\_\_

13. \_\_\_\_\_

10. **Car purchases.** The down payment on a new car is \$2895. Curt has \$1350 in his savings account now. How much more does he need for the down payment?

11. **Banking.** Arlene wrote checks of \$54, \$37, and \$143. Her balance before that was \$575. What is her new balance?

12. **Education.** Kuan had grades of 82, 73, and 81 on three tests during a course. What score must he make on a fourth test in order to have a total of 299 points for the course?

13. **Luggage Limit.** The maximum load for a light plane with full gas tanks is 500 pounds. Mr. Whitney weighs 215 lb, his wife 135 lb, and their daughter 78 lb. How much luggage can they take on a trip without exceeding the load limit?