



Long Subtraction in Word Problem Format

• 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?

● ● ● CHECK YOURSELF ANSWER

1. \$32.

1.15 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?