One-Step/Two-Step Word Problems   *Name:*

For each one-step word problem, write a one-step algebraic equation using the given variable. Solve using appropriate algebraic steps.

1. You and four friends go to Johnny Rockets. You all split the bill equally. Each person's share was $6.50. How much was the original bill? Let *a* represent the amount of the original bill.

2. The cost for six months of Napster is $59.70. What is the cost for one month? Let *m* represent the cost for one month of Napster.

3. El Rodeo School has 837 students. El Rodeo School has 78 more students than Hawthorne. How many students are there at Hawthorne School? Let *h* represent the number of students at Hawthorne School.

4. From the first quiz to the second quiz, a score dropped eight points. The score on the second quiz was 39. What was the first quiz score? Let *f* represent the first quiz score.

5. A cheese pizza from Mulberry St. is cut into eight equal pieces. Sold individually, each slice cost $2.25. What is the cost of an entire pizza at this rate? Let *c* represent the cost of the entire pizza.

6. At Costco, 32 cans of Coke cost a total of $8.96. What is the cost per can? Let *c* represent the cost for one can of Coke.

7. A Lamborghini Murciélago has a top speed of 205 miles per hour. This is 7 miles per hour faster than the Ferrari F430. What is the top speed of the Ferrari? Let *f* represent the Ferrari's maximum speed.

8. Bob Loblaw is on a diet to lose weight. After losing 26 pounds, Bob weighs 231 pounds. What was Bob Loblaw's weight before his diet? Let *w* represent Bob's original weight.

9. You need the weight of your dog. On the scale together, you both weigh a total of 134 pounds. After putting the dog down, your weight is 105 pounds. What is the weight of the dog? Let *w* represent the weight of the dog.

10. The temperature rose 15 degrees to $7^{o}F$. What was the original temperature? Let *t* represent the original temp.

11. Griffith Park is 418 acres larger than Eagle Creek Park. If Griffith Park is 4218 acres, find the size of Eagle Creek Park. Let e represent the size of Eagle Creek Park.

12. Eagle Creek Park is 418 acres smaller than Griffith Park. If Eagle Creek Park is 3800 acres, find the size of Griffith Park. Let g represent the size of Griffith Park.

13. After a deposit of $1234, you have a checking account balance of $5678. What was the original balance? Let b represent your original balance.

14. After a withdrawal of $1234, you have a checking account balance of $5678. What was the original balance? Let b represent your original balance.

15. A large pile of books is divided into four equal size stacks. Each stack has 37 books. How many books were in the original pile? Let p represent the number of books in the original pile.

16. Each household in the United States receives about 676 pieces of junk mail per year. Since there are 52 weeks in a year, about how many pieces are received each week? Let j represent the pieces of junk mail received each week.

17. Kasey Kahne completed one lap of the NASCAR race in 31.48 seconds. This was 1.62 seconds faster than Jimmie Johnson. What as Jimmie Johnson's lap time? Let j represent Jimmie Johnson's lap time.

18. The area of a rectangle is 123 cm^2. If the width is 3 cm, find the length. Let l represent the length of the rectangle.

19. You save $25 each week. How long will it take to save $1000? Let w represent the number of weeks.

20. A deck of playing cards were dealt equally among four players. Each player received 13 cards. How many cards are in a deck? Let c represent the number of cards in the deck.