

Name: \_\_\_\_\_ Block: \_\_\_\_\_ Date: \_\_\_\_\_

## Word Problem Practice

Write an equation for each problem using a defined variable. Then solve the equation.

1. What number minus 9 is equal to -18?
2. -9 times a number equals -117. Find the number.
3. How many packages of blank cd's can you buy with \$40 if one package cost \$8?
4. Last week Julia ran 30 miles more than Peter. Julia ran 47 miles. How many miles did Peter run?
5. 4 times the sum of a number and 3 is the same as 16. Find the number.
6. A number divided by four is increased by 3. The result is 24. What is the number?
7. The total cost of a suit and a coat is \$291. The coat cost twice as much as the suit. How much did the coat cost?

8. Steve hit four more home runs than twice the number of home runs Larry hit. Together they hit 10 home runs. How many runs did Steve hit?
  
9. The length of a rectangle is 5 more than twice its width. Its perimeter is 88 feet. Find its dimensions. Use  $P = 2L + 2w$ .
  
10. In one season, Kim ran 18 races. This was four fewer races than twice the number of races Kelly ran. How many races did Kelly run?
  
11. Find the number such that seven less than twice the number is 43.
  
12. The perimeter of a triangle is 51cm. The lengths of its sides are consecutive odd integers. Find the lengths of all three sides.
  
13. Find a number such that three times the number increased by 7 is 52.
  
14. Jung has a total of 92 coins in his coin collection. This is 8 more than 3 times the number of quarters in the collection. How many quarters does Jung have in his collection?