

Algebra Word Problems Varied

1. A number plus 7 is 15. What is the number?
2. You have 15 quarters. Represent this as an algebraic equation and solve.
3. You see 15 triangles. How many sides are there in total. Represent as an algebraic equation.
4. Carlotta spent \$35 at the market. This was seven dollars less than three times what she spent at the bookstore; how much did she spend there?
5. A class of 50 students is divided into two groups; one group has eight less than the other; how many are in each group?
6. The sum of two numbers is 72, and one of them is five times the other; what are the two numbers?
7. Divide \$15.20 among three people so that the second will have one dollar more than the first, and the third will have \$2.70 more than the second.
8. Donna and Pat bought a used car together for \$450. If Donna paid \$110 more than Pat, how much did each pay?
9.) Mrs. Robinson has \$500 in five and ten dollar bills. She has 60 bills in total. How many five-dollar bills does she have?
10. Marsha has three times as many one-dollar bills as she does five dollar bills. She has a total of \$32. How many of each bill does she have?
11. Adalberto has \$2.25 in dimes and nickels in his pocket. He has nine more nickels than dimes. How many of each type of coin does he have?
12. Erin has \$3.65 in dimes and nickles in her car. The number of nickles is one more than the number of dimes. How many of each type of coin does she have?