

Name: _____

NEXT class I will pick 3 of these problems. You will have 15 minutes to work all three for a quiz grade. 30 points for equations. 30 Points for work. 10 points for correct answer.

1. Two small pitchers and one large pitcher can hold 8 cups of water. One large pitcher minus one small pitcher constitutes 2 cups of water. How many cups of water can each pitcher hold?
2. A test has twenty questions worth 100 points. The test consists of True/False questions worth 3 points each and multiple choice questions worth 11 points each. How many multiple choice questions are on the test?
3. A tip jar contains x one-dollar bills and y five-dollar bills. There are 42 bills in the jar, and the total value is \$90.00. How many one-dollar bills and how many five-dollar bills are in the tip jar?
4. An office manager spent \$4870 on a total of 14 chairs and desks. Each chair costs \$125, and each desk costs \$515. How many chairs and how many desks did he buy?
5. The sum of two numbers is 30 and their difference is 12. Find the two numbers.
6. Casey wants to buy a gym membership. One gym has a \$150 joining fee and costs \$35 per month. Another gym has no joining fee and costs \$60 per month. When would Casey pay the same amount to be a member of either gym? How much would he pay?
7. A jar contains n nickels and d dimes. There are 20 coins in the jar, and the total value of the coins is \$1.40. How many nickels and how many dimes are in the jar?
8. A local boys club sold 176 bags of mulch and made a total of \$520. It sold two types of mulch: hardwood for \$3.50 a bag and pine bark for \$2.75 a bag. How many bags of each kind of mulch did it sell?
9. The school band sells carnations on Valentine's Day for \$2.50 each. It buys the carnations from a florist for \$0.50 each, plus a \$16 delivery charge. When will the cost of the carnations be equal to the profit from selling them? How many carnations does it need to sell to reach this point?
10. The difference between two numbers is 9. The first number plus twice the other number is 27. Find the two numbers.
11. The cost of 3 boxes of envelopes and 4 boxes of Notebook paper is \$13.25. Two boxes of envelopes and 6 boxes of notebook paper cost \$17. Find the cost of each.
12. A garden supply store sells two types of lawn mowers. The smaller mower costs \$249.99 and the larger mower cost \$329.99. If 30 total mowers were sold and the total sales for a given year was \$8379.70, find how many of each type were sold.

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