

Do all work on your own paper. You do **NOT** need to copy down the problem word-for-word. You **DO** need to write down the question being asked. You also must define your variables, set up an equation, and show the steps to your solution.

1. Amy has \$8 less than Maria. Together they have \$30. How much money does each girl have?
2. A music dealer ran a sale of CDs and DVDs. CDs were reduced to \$7 each and DVDs to \$7.50 each. The dealer sold 60 more CDs than DVDs for a total sale of \$2160. How many CDs were sold?
3. The perimeter of a school's basketball court is 266 ft and its length is 35 ft more than its width. Find the dimensions of the court. ***Draw a diagram to illustrate the problem.***
4. A jar contains 40 coins consisting of dimes and quarters with a total value of \$4.90. How many of each kind of coin are in the jar?
5. A mixture of cooking oil is made by combining 7 kg of soybean oil with 14 kg of canola oil. The soybean oil costs \$4/kg and the canola oil is \$1/kg. What is the cost per kg of the oil mixture?

****** Solutions will be presented in class tomorrow and will be posted on the web page after that ******

Answers: 1) Amy \$11, Maria \$19; 2) 180; 3) 84 ft x 49 ft; 4) 34 dimes, 6 quarters; 5) \$2/kg

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