

SYSTEMS OF EQUATIONS WORD PROBLEM STRATEGY

1. read the problem	2. define variables 3. write the system	4. solve & show your steps	5. check solution
<p>75 people attended a baseball game. Everyone there was a fan of either the home team or the away team. The number of home team fans was 90 less than 4 times the number of away team fans. Find the number of each team fans</p>			
<p>Sally is giving manicures and styling hair for the women at the shelter from 8am - 4pm each day this weekend. On Saturday she gave six manicures and styled 5 ladies' hair. On Sunday, she gave 10 manicures & 3 hair styles. How long does each manicure and hair styling take?</p>			
<p>The length of a rectangle is equal to triple the width. The perimeter is 86 centimeters. Find the length and width.</p>			

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<p>Uncle Chips sold 300 cookies at Eastern Markert last week-end. They sold two types of cookies: large chocolate chip and small peanut butter cookies. They charge \$2 for the chocolate chip and \$1.50 for the peanut butter. They earned \$540. How many of each type did they sell?</p>			
<p>The Osiris Diamond Company sold two types of diamonds, marque cut for \$1200 and princess cut for \$1800. It sold 75 diamonds during a sales campaign for Valentine's Day. It made \$112,200 in sales. How many diamonds were sold of each type?</p>			
<p>One number is 5 times another number. It is also 3 more than twice the other number. Find the numbers.</p>			

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<p>The admission fee at a small fair is \$1.50 for children and \$4.00 for adults. On a certain day, 2200 people enter the fair and \$5050 is collected. How many children and how many adults attended?</p>			
<p>Kristin spent \$131 on shirts. Fancy shirts cost \$28 and plain shirts cost \$15. If she bought a total of 7 then how many of each kind did she buy?</p>			
<p>An investor buys a total of 360 shares of two stocks. The price of one stock is \$35 per share, while the price of the other stock is \$45 per share. The investor spends a total of \$15000. How many shares of each stock did the investor buy?</p>			
<p>The sum of two numbers is 90. The larger number is 14 more than 3 times the smaller number. Find the numbers.</p>			

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<p>Chase and Sara went to the candy store. Chase bought 5 pieces of fudge and 3 pieces of bubble gum for a total of \$5.70. Sara bought 2 pieces of fudge and 10 pieces of bubble gum for a total of \$3.60.</p>			
<p>Some students want to order shirts with their school logo. One company charges \$9.65 per shirt plus a setup fee of \$43. Another company charges \$8.40 per shirt plus a \$58 fee. For what number of shirts would the cost be the same?</p>			
<p>Marcos had 15 coins in nickels and quarters. He had 3 more quarters than nickels. What is the dollar amount of his coins?</p>			
<p>The perimeter of a rectangular wooden deck is 90 feet. The deck's length is 5 feet less than 4 times its width. Find the area of the deck.</p>			