

## Writing Systems from Word Problems

**For each of the following: Write the system of equations and solve**

<p>1. In one week a music store sold 7 instruments. They sold violins and cellos. Violins cost \$200 and Cellos cost \$300. The music store made \$1600. How many of each cellos did the store sell?</p>	
<p>2. Dan and Stephanie are selling wrapping paper for a school fundraiser. Customers can buy rolls of plain wrapping paper and rolls of holiday wrapping paper. Dan sold 7 rolls of plain wrapping paper and 3 rolls of holiday wrapping paper for a total of \$95. Stephanie sold 6 rolls of plain wrapping paper and 5 rolls of holiday wrapping paper for a total of \$113. What is the cost each of one roll of plain wrapping paper and one roll of holiday wrapping paper?</p>	
<p>3. Mary and Danny are selling fruit for a school fundraiser. Customers can buy small boxes of tangerines and large boxes of tangerines. Mary sold 1 small box of tangerines and 4 large boxes of tangerines for a total of \$57. Danny sold 8 small boxes of tangerines and 1 large box of tangerines for a total of \$53. What is the cost each of one small box of tangerines and one large box of tangerines?</p>	<p style="text-align: right;"><b>FLIP TO THE BACK!</b></p>

<p>4. Dave and Eugene are selling pies for a school fundraiser. Customers can buy blueberry pies and pumpkin pies. Dave sold 2 blueberry pies and 2 pumpkin pies for a total of \$30. Eugene sold 2 blueberry pies and 1 pumpkin pie for a total of \$22. Find the cost each of one blueberry pie and one pumpkin pie.</p>	
<p>5. Ticket sales to Comic-Con have started increasing recently. This past July they made a total of \$188,100 in ticket sales for the first day. Adult tickets cost \$36 and children tickets cost \$26. A total of 6,600 tickets were sold on the first day. How many adult tickets were sold?</p>	
<p>6. The local amusement park is a popular field trip destination. This year the senior class at Sprayberry and the senior class at Lassiter both planned trips there. The senior class at Sprayberry rented and filled 4 vans and 8 buses with 420 students. Lassiter rented and filled 8 vans and 8 buses with 448 students. How many students can a van carry? How many students can a bus carry?</p>	
<p>7. Old Navy made \$1050 yesterday. They sold pants and dresses. Pants were \$30 and dresses were \$35. They sold 32 total items. How many dresses did they sell?</p>	