

- 6) The state fair is a popular field trip destination. This year the senior class at High School A and the senior class at High School B both planned trips there. The senior class at High School A rented and filled 7 vans and 4 buses with 206 students. High School B rented and filled 14 vans and 14 buses with 658 students. Each van and each bus carried the same number of students. Find the number of students in each van and in each bus.
- 7) The sum of the digits of a certain two-digit number is 12. When you reverse its digits you decrease the number by 54. Find the number.
- 8) Mike and Matt are selling wrapping paper for a school fundraiser. Customers can buy rolls of plain wrapping paper and rolls of holiday wrapping paper. Mike sold 6 rolls of plain wrapping paper and 14 rolls of holiday wrapping paper for a total of \$380. Matt sold 7 rolls of plain wrapping paper and 7 rolls of holiday wrapping paper for a total of \$266. Find the cost each of one roll of plain wrapping paper and one roll of holiday wrapping paper.
- 9) When you reverse the digits in a certain two-digit number you increase its value by 27. What is the number if the sum of its digits is 13?
- 10) Gabriella and Totsakan are selling pies for a school fundraiser. Customers can buy blueberry pies and blackberry pies. Gabriella sold 12 blueberry pies and 1 blackberry pie for a total of \$200. Totsakan sold 6 blueberry pies and 12 blackberry pies for a total of \$330. What is the cost each of one blueberry pie and one blackberry pie?

Answers to Systems - word problems - extra practice (ID: 1)

- 1) 51
- 2) Van: 18, Bus: 37
- 3) small box of grapefruit: \$5, large box of grapefruit: \$6
- 4) hosta: \$8, geranium: \$5
- 5) Van: 7, Bus: 27
- 6) Van: 6, Bus: 41
- 7) 93
- 8) roll of plain wrapping paper: \$19, roll of holiday wrapping paper: \$19
- 9) 58
- 10) blueberry pie: \$15, blackberry pie: \$20