

Systems of Equations Word Problems.

1. The school that Lisa goes to is selling tickets to the annual talent show. On the first day of sales, the school sold 4 senior citizens tickets and 5 student tickets for a total of \$102. The school made \$126 on the second day of sales by selling 7 senior citizens tickets and 5 student tickets. What is the price of one senior citizen ticket and one student ticket?

2. K.C and Gabe are selling pies for a school fundraiser. Customers can buy Apple pies or cherry pies. K.C sold 6 Apple pies and 4 Cherry pies for a total of \$80. Gabe sold 6 Apple pies and 5 Cherry pies for a total of \$94. What is the cost of one Apple pie, and one Cherry pie?

3. A school is selling tickets to a dance competition. On the first day of sales, the school sold 3 senior citizens tickets and 3 child tickets for a total of \$69. The school took in 91\$ on the second day by selling 5 senior citizens tickets and 3 child tickets. How much does one senior citizen ticket and one child ticket cost?

4. Mike and Carlos are selling cookies for school. Customers can buy chocolate cookies or gingerbread cookies. Mike sold 8 trays of chocolate cookies and 12 trays of gingerbread cookies for \$364. Carlos sold 1 tray of chocolate cookies and 4 trays of gingerbread cookies for \$93. Find the cost of a tray of chocolate cookies and a tray of gingerbread cookies.
5. A school is selling tickets to a dance show. The first day of sales, the school sold 3 senior citizen tickets and 5 child tickets for a total of \$70. On the second day, the school sold 12 senior tickets and 12 child tickets for \$216. Find the price of a senior ticket, and a child ticket.
6. Two different senior classes went on a trip to a local amusement park. Senior class A rented and filled 16 vans and 8 buses with 752 students. Senior class B rented and filled 5 vans and 5 buses with 380 students. Each van and bus carry the same number of students. How many students can fit on each bus? How many can fit in each van?