

## SOLVING SYSTEMS WORD PROBLEMS

- Write a system of linear equations to model each problem.
- Choose a method and solve the system.

1) 480 people attended a concert. Pavilion seats cost \$35 and lawn seats sold for \$25. A total of \$15,200 was collected. How many seats of each kind were sold?

2) Ms. Kernodle is giving a 44 question test worth 100 points. Some questions are worth two points. The remaining questions are worth 4 points. How many of each type of question are on the test?

3) The larger of two numbers is 1 more than twice the smaller. The sum of the numbers is 20 less than three times the larger. Find the numbers.

4) A DVD costs \$6 more than a CD. Colin bought two CDs and 3 DVDs for \$59.50. How much does a CD cost? How much does a DVD cost?

5) A piggy bank contains a total of 84 coins in nickel and quarters worth \$12.80 altogether. How many of each type of coin are in the piggy bank?