

Name_____

Date_____

Unit 3

Lesson 10

DO NOW: The sum of Bianca's last two test scores was 177 and their difference was 13. What were her last two test scores?

AIM: SOLVING WORD PROBLEMS INVOLVING SYSTEMS OF EQUATIONS-DAY 2

1. (a) In your pocket you have a total of 17 nickels and dimes. Write a legend and an equation to represent this situation.

(b) The total value of the coins is \$1.45. How can we represent this as an equation?

(c) How many nickels and how many dimes do you have?

2. (a) The tickets for a dance recital cost \$5.00 for adults and \$2.00 for children. The total amount of money collected was \$1,220. Write a legend and an equation to represent this situation.

(b) The total number of tickets sold was 295. How can we represent this as an equation?

(c) How many adult tickets and how many children tickets were sold?

3. (a) In your pocket, you have a total of 36 quarters and dimes. Write a legend and an equation to represent this situation.

(b) The total value of the coins is \$5.25. How can we represent this as an equation?

(c) How many quarters and how many dimes do you have?

4. (a) Tickets for a high school dance cost \$10 each if purchased in advance of the dance, but \$15 each if bought at the door. The total amount of money collected was \$1,200. Write a legend and an equation to represent this situation

(b) If 100 tickets were sold and. How can we represent this as an equation?

(c) How many tickets were sold in advance and how many were sold at the door?