Math 8   Name_____
Linear System Word Problems   Period_____

1) A class of 228 students went on a field trip. They took 13 vehicles, some cars and some buses. Find the number of cars and the number of buses they took if each car holds 3 students and each bus hold 30 students.

2) All 80 students in the Math Club went on a field trip. Some students rode in cars which hold 5 students each and some students rode in buses which hold 35 students each. How many of each type of vehicle did they use if there were 4 vehicles total?

3) There are 19 animals in the barn. Some are chickens and some are horses. There are 60 legs in all. How many of each animal are there?

4) Gabriella's Printing Inc. has two type of printing presses: Model A and Model B. Model A can print 50 books per day and Model B can print 30 books per day. Altogether Gabriella has 17 printing presses. If she can print 690 books in a day, then how many of each press does she have?

5) At Molly's Printing Company LLC there are two kinds of printing presses: Model A which can print 70 books per day and Model B which can print 45 books per day. The company owns 12 total printing presses and this allows them to print 790 books per day. How many of each type of press do they have?

6) Shreya spent $960 on pairs of pants. Dress pants cost $100 and jeans cost $90. If she bought a total of 10, then how many of each kind did she buy?

7) There are 15 animals in the field. Some are buffalo and some are chickens. There are 52 legs in all. How many of each animal are in the field?

8) Castel bought 10 books for a total of $620. Math books cost $50 and science books cost $80. How many of each type of book did he buy?

9) There are 25 animals in the field. Some are pigs and some are ducks. There are 86 legs in all. How many of each animal are in the field?

10) Chelsea spent $27 on eating utensils. Spoons cost $4 and forks cost $5. If she bought a total of 6, then how many of each kind did she buy?