"Getting Ready for Algebra" Name_____

POI--Using Algebra

Date_____ HW #____

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1) A farmhouse shelters 15 animals. Some are buffalo and some are ducks. Altogether there are 48 legs. How many of each animal are there?

2) There are 12 animals in the field. Some are horses and some are chickens. There are 42 legs in all. How many of each animal are in the field?

3) Jaidee spent $520 on pairs of pants. Dress pants cost $80 and jeans cost $40. If she bought a total of 9, then how many of each kind did she buy?

4) A class of 378 students went on a field trip. They took 14 vehicles, some vans and some buses. Find the number of vans and the number of buses they took if each van holds 9 students and each bus hold 45 students.

5) A class used cars and vans to go on a field trip because all of the buses were already in use. They used 11 vehicles to go on the trip. Each car holds 4 students and each van holds 6 students. If 54 students went on the trip, then how many of each type of vehicle did the class use?

6) A class used vans and buses to go on a field trip. They used 12 vehicles to go on the trip. Each van holds 7 students and each bus holds 25 students. If 192 students went on the trip, then how many of each type of vehicle did the class use?

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1) Perry spent $97 on shirts. Tee shirts cost $9 and long sleeve shirts cost $13. If he bought a total of 9, then how many of each kind did he buy?

2) There are 16 animals in the barn. Some are ducks and some are pigs. There are 50 legs in all. How many of each animal are there?

3) All 133 students in the Math Club went on a field trip. Some students rode in cars which hold 4 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 10 vehicles total?

4) There are 18 animals in the field. Some are horses and some are ducks. There are 54 legs in all. How many of each animal are in the field?

5) Beth bought 6 pairs of pants for a total of $460. Dress pants cost $90 and jeans cost $70. How many of each type of pants did she buy?

6) Asanji bought 9 shirts for a total of $111. Tee shirts cost $9 and long sleeve shirts cost $15. How many of each type of shirt did he buy?

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