

Draw Four, Check One

Name: _____

Be sure to show ALL of your work and how you solve these problems. (2 points each)

These are to be *visual* representations of the problems that you then translate into “math.”

Please use both sides of this paper

*When you are done, you will select one of these to give to a person outside NOVA. (directions later)

1. There are 10 animals in the barn. Some are chickens and some are pigs. There are 36 legs in all. How many of each animal are there?

2. A class of 195 students went on a field trip. They took 7 vehicles, some cars and some buses. Find the number of cars and the number of buses they took if each car holds 5 students and each bus holds 45 students.

3. Lily went shirt shopping. Her choices were blue shirts, green shirts, red shirts, and yellow shirts. Lily bought a total of two shirts, but the shirts she bought were different colors. What are all of the combinations of shirts that Lily could have bought?

4. After the volleyball game, one team of 7 players gave a high-five to each of the other players on their own team. How many high-fives were there in all?

5. Now select one of these for a non-Novite to complete. Have them solve it here. (1 pt)

After they have completed it, compare your answers and see if you solved it in the same way. Write any observations of the similarities and/or differences in your strategies. (1 pt)