

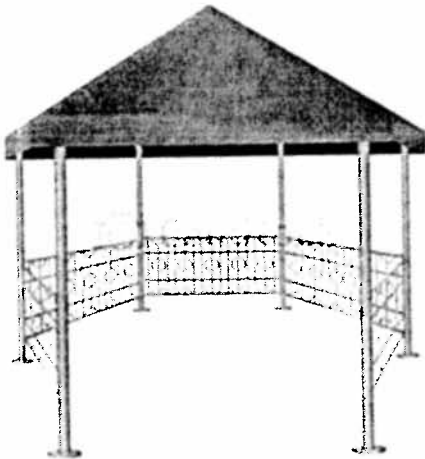
Name: _____

Period: _____

Show all work and label your answer

1.) If you have a room full of 35 people and everyone shakes hands only once, how many total handshakes are there?

2.) You are setting up for a birthday party in a park and need to decorate a gazebo that has 6 pillars. You want to string a streamer from every pillar to all other pillars only once. How many strands of streamer will there be total?



B

WHO OWNS THE ZEBRA?

1. There are five houses, each of a different color, each inhabited by a man of a different nationality. Also, each man has a different pet, fruit, and drink.
2. The Englishman lives in the red house.
3. The Spaniard owns the dog.
4. Coffee is drunk in the green house.
5. The Ukrainian drinks tea.
6. The green house is immediately to the right (your right) of the ivory house.
7. The plum eater owns snails.
8. Apples are eaten in the yellow house.
9. Milk is drunk in the middle house.
10. The Norwegian lives in the first house on the left (your left).
11. The man who eats grapes lives in the house next to the man with the fox.
12. Apples are eaten in the house next to the house where the horse is kept.
13. The pear-eater drinks orange juice.
14. The Japanese eats peaches.
15. The Norwegian lives next to the blue house.

SOLVE: Who drinks water? Who owns the zebra?