Geometry Problem Solving #2
Quarter 1

1. There are 15 people at a party and each of them shakes hands with one another exactly once. How many handshakes take place?

2. The high school girls' softball team is holding a car wash to raise money for new uniforms. At the car wash they offer a regular wash for $7 and a wash and wax for $15. The softball team earned $365. If they washed and waxed 8 cars, how many customers only received a wash?

3. Brian has a boat that will travel 30 mph in still water. Brian is boating up and down a river with a current that travels 10 miles per hour. If he travels 25 miles upstream and back down, how many hours will his trip take?

4. If the recipe for a cake to be baked in a rectangular pan calls for 3 eggs and the baker doubles each dimension of the pan, how many eggs will be required, assuming that the baker wants to fill the new pan?