



Chapel Hill Math Circle

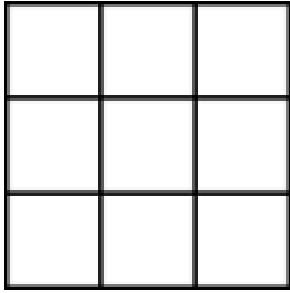
*Beginners' Group*

## **In the Land of Charts**

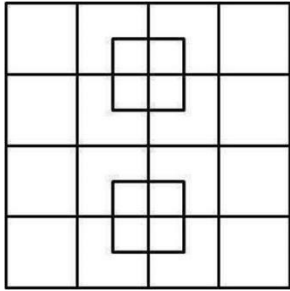
October 8, 2016

1. Abe, Bob, and Carl had a race one day.
  - Abe did not come in first.
  - Carl was neither the first nor the last one.  
Who won the race? Who was last?
  
2. Don, Eve, and Fab have different favorite animals. One of them likes alpacas, one likes baboons, and the other one likes chinchillas.
  - Fab does not like alpacas.
  - Eve likes neither chinchillas nor alpacas.  
What is each child's favorite animal?
  
3. Al, Greg, and Jane have different jobs. One is a carpenter, one is a dancer, and one is a lacrosse coach.
  - Al is older than the coach.
  - Greg is not the same age as the coach.
  - The dancer and Al are siblings.  
What are their professions?

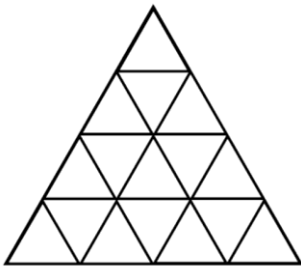
4. How many squares are there?



5. How many squares are there?



6. How many triangles are there?



7. How many squares are there on a chess board?