Chapel Hill Math Circle
Beginners Group (1-3)
March 19, 2016

1. Nine friends are having a party. Five of them are bringing chips. Three are bringing juice. Two are bringing chips and juice. How many are not bringing either chips or juice?

2. A man sells donuts and muffins. Nine children each buy a donut and 11 children each buy a muffin. Two children don't buy anything from the man because they prefer to eat fruits. There are 15 children. How many bought a donut and a muffin?

3. Felipe and Rosita have 30 coins and divide them into two piles. There are 13 dimes and the rest are nickels. Felipe has one more nickel than Rosita. Rosita has 1 more nickel than dimes. Whose pile is worth more?