Luke and Lucy have some leftover Halloween candies (yes, they haven't finished them because their Dad hid a good portion of the candies). They want to compare the number of candies they have, but don't want to reveal the actual numbers (because they don't want to share).

   Can you help them with the task? The method has to be convincing, as in both Luke and Lucy will believe the end result beyond reasonable doubt. We can safely assume that the number of candies is no more than 100. Finally, we have to assume that the kids are perfectly reasonable. Did I mention that Luke and Lucy are five?

1. Decide if they have the same number of candies.

2. Decide if they have some candy in common.

3. Decide who has the most candies. *[Hint: Can you use the method for testing intersection?]*