

1. Did each problem have a unique solution?

Yes. Each problem had a unique solution.

2. Were there any clues you did not need to use?

No. we had to use every clue.

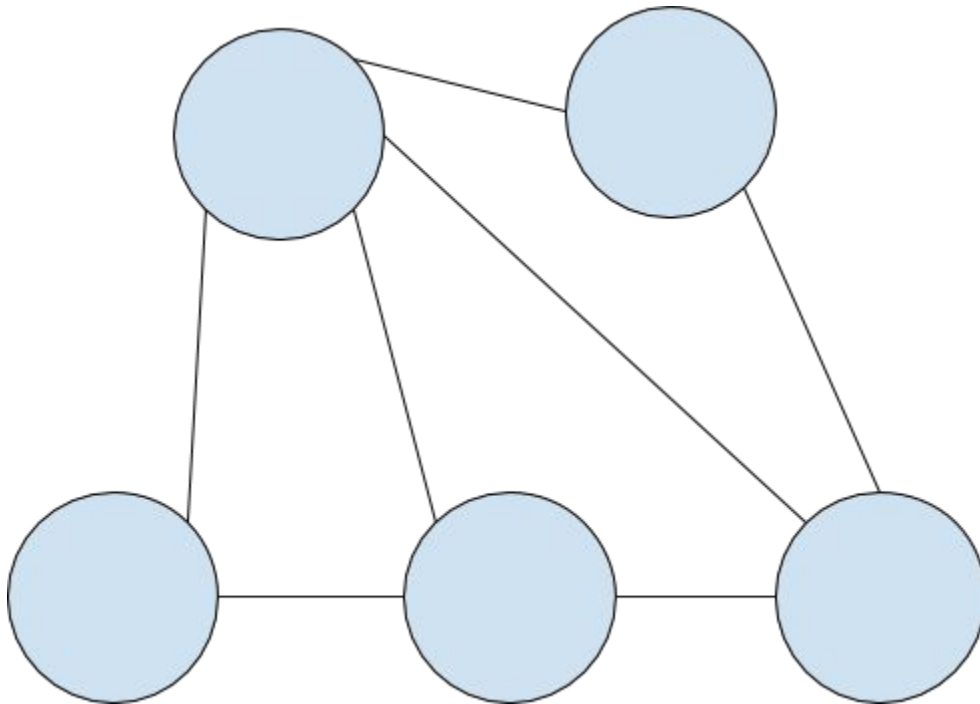
3. If you label each node with the number of friends the person has, and add together all the numbers, what can you say about the answer? Can you explain why?

For the first set of friends there are 6 people and they have a combined 12 friends and for the second set of friends there are 7 people and they have a combined 20 friends. This shows that even though there is only 1 more person in the second set of friends, there can always be many more groups of anything.

4. Can you design a puzzle with five friends with a unique solution?

Clues:

1. Bob has 4 Friends, Billy, Rob, Josh and Marc
2. Billy is not friends with Rob and Josh
3. Josh is friends with Rob and Marc



Solution:

