Travis Knoll

WPF

A Cat, a parrot and a bag of seed.

1. Define problem.
2. Man has to get to the other side of the river and has room for only one item and himself.
3. They are all opposites in nature. The bird fears the cat. The bird loves the seed.
4. To safely transport everyone to the other side of the river.
5. Break the problem apart
6. The cat will eat the bird if left alone and the bird will eat the seed if left alone, but the man has to take one.
7. To get everyone to the other side. To not let bird eat all the seed. Not let the cat eat the bird.
8. Identify the potential solutions.

A) The cat can stay with the seed and the man can come back for them. The man can tye the seed bag on the birds back and the bird can fly over.

4) Evaluate each potential solution.

1. The solution meets the goals of getting everyone to the other side.
2. They will work for all cases.
3. Choose a solution and develop a plan to implement it.
4. The best solution is for the man to leave the cat and the seed together on one side and take the bird to the other. This being said the man will have to come back for multiple trips.
5. This was a cause and effect situation where the bird could fly over because of the seed on the other side. This makes the problem that the man will have to come back for the cat.

Socks in the Dark:

1. Define the problem.
2. You need to have at least one matching pair of socks without turning on the lights.
3. The problem is looking for a pair and the situation is that they are already paired together it said.
4. The overall goal is to select a matching pair of socks and to find the ratio that it has happened.
5. Break the problem apart.
6. It’s currently dark.
7. You need to find a matching pair or each color at how many tries?
8. Identify potential solutions.
9. The person can wait till it is light and see which socks they pull out. They can also implement math and say there is a 25% chance they will pull the right sock they want.