A Cat, Parrot, and a Bag of Seed.

A. You need to get all three items across the river but the man in the boat can only transfer one at a time. In the man’s absence the cat could eat the parrot and the parrot would eat the bag of seed.

B. Take the parrot first, leaving the cat and the seed. By taking out the middle equation this solves the problem.

C. The overall goal is the man will take off with the parrot, saving the cat and the seed. Then he can choose which one to take from there with everything making it across the river safely.

A. The constraints is that the cat could eat the parrot and the parrot could eat the seed.

B. The sub goals is that all three items make it across the river safely.

A. The possible solution is take the parrot first, when taking out the middle equation this solves the problem of the cat eating the parrot and the parrot eating the seed.

A. Yes.

B. Yes.

A. A man has a cat, parrot, and a bag of seed. He needs to transport all three across a river in his boat. His boat can only have room for himself and one other item at a time. The question is the order to take the items because the cat could eat the parrot and the parrot would eat the bag of seed. How can he transport all three items across the river without damaging a item.

B. There are some tests where you can see if the cat plays with the bag of seed, seeing how you need to take the parrot first and leaving the cat alone with the seed. Also there’s a problem where the cat could wander or be scared by the water. Other then that I cannot think of anything.

Socks in the Dark:

A. There are 5 pairs of black socks, 3 pair of brown socks, and 2 pairs of white socks. You need to get a pair of socks in the dark however. You can check to see if you’re right only after you’ve selected.

B. The insight I can give is just turn on a light. Visible pun intended.

C. The overall goal is to get a matching pair of socks then a matching pair of each color.

A. The constraints is the darkness.

B. The sub goals is finding at least one matching pair of socks then at least one matching pair of each color.

A. The possible solution is total there are 20 socks and everything’s left up to chance.

A. The solution hopefully can meet the two goals but it’s hard to say when everything is left up to chance.

B. The solution to work for all cases is to turn on a light.

A. The solution is to turn on a light and just find the pairs. Or to match your socks so you don’t have this problem.

B. Test cases are turn on a light or match your socks before hand.

Predicting Fingers:

A. A little girl is playing a game and uses her thumb as 1, first finger as 2, middle finger 3, ring finger 4, little finger 5, then continues on the next hand. If she continues in this manner which finger will she stop for 1-10, 1-100, 1-1000.

B. I’d ask the little girl why is she being a pain in the butt and give up in frustration like I want to do on this specific problem.

C. The overall goal from the girls point of view is to see how much of a smart cookie she is.

A. The constraints are only having 10 fingers.

B. The sub goals are 1-10, 1-100, 1-1000.

A. The possible outcomes are hard to all say, there are more then 47 answers.

B. No.

A. The solution to the problem is to cut off all of the little girls fingers because she’s being a annoying smart cookie.

B. Test cases are too many answers because there are over 47 answers.