1. **Define The Problem -**

a) How can we get all 3 items across the river with out leaving the wrong ones together?

b) Will the cat eat the seed?

c) The overall goal is to get the all 3 across the river

1. **Break the problem apart-**
2. One constraint would be that the cat will eat the bird and the bird will eat the seed
3. Not leave the wrong two items together

**3) Identify Potential Solutions -**

a) Leave the cat and the seed together

**4) Evaluate each potential Solution –**

a) Yes the solution meets the goals

b) Yes the solution will work for both cases

**5) Choose a Solution and Develop a Plan to Implement it**

a) Leave the cat and the seed and take the bird, comeback and get the cat, then comeback and get the seed

b) The cat will eat the bird and the bird will eat the seed but the cat won’t eat the seed

**Solution – Take the Bird come back and get the cat and then the seed**