



# Solving Equations

## 1 Why

If I am holding 3 stones in both hands, and I have two of them in my left hand, how many might I have in my right hand? If I am holding fewer than 5 pebbles, how many might I have in my right hand?

## 2 Overview

I am asserting above that I have three pebbles and that I have two in my left hand. We know that the total number of pebbles I could be holding is any possible number of pebbles I could be holding in my right hand such that the sum is three.

We define the find function.

Discuss solutions in a set. Discuss existence of solution. Discuss uniqueness of solution.

## 2.1 Notation

We can denote the pebble equation as find  $n$  so that

$$2 + n = 3$$