## How To Solve It - G. Polya

## Understanding The Problem

First. What is the unknown? What are the data? What is the condition?

You have to understand the problem. Is it possible to satisfy the condition? Is the condition sufficient to determine the unknown? Or is it insufficient? Or redundant? Or contradictory?
Draw a figure. Introduce suitable notation.
Separate the various parts of the condition. Can you write them down?

## Devising A Plan

## Second.

 Find the connection between the data and the unknown.You may be obliged to consider auxiliary problems if an immediate connection cannot be found.
You should obtain eventually a plan of the solution.

