

## **Polya Model – Assessing the Student’s Needs**

Yew, Y. S. (2013). Incorporating Pólya’s problem solving method in remedial math. *Journal of Humanistic Mathematics*, 3(1). 96-107.

Polya. G. (1957). *How to solve it*. Garden City, NY: Doubleday and Co., Inc.

**This targeted intervention enables the teacher to assess the problem-solving strategies needed to support the student(s) understanding of word problems.**

### **Materials:**

- Word problems
- Polya’s Questions

### **Steps:**

1. The teacher and student(s) read the problem together.
2. The teacher asks the following questions and elicits a response from the student(s):
  - “Do you understand all the words used in stating the problem?”
  - “What are you asked to find or show?”
  - “Can you restate the problem in your own words?”
  - “Can you think of a picture or a diagram that might help you understand the problem?”
3. The teacher should then decide which strategies are needed based on the answers given.