

# PROBLEM SOLVING PROTOCOL

## UNDERSTANDING

- ✓ Do a **QUICK READ**
- ✓ **DO NOT TRY TO SOLVE IT!**
- ✓ **REREAD** the entire problem for understanding.
- ✓ UNDERLINE key vocabulary words (main idea).
- ✓ Circle and **NUMBER** each direction word.
- ✓ **REWORD** the question.

## PLAN

- ✓ Do you **NEED** a list, chart, table, graph, model, diagram or graphic thinking tool?
- ✓ Do you need to:
  - Simplify?
  - Compute? What operation can you use?
  - Use a formula?
- ✓ What strategy are you going to use?

## SOLVE

- ✓ Use the strategy and the plan
- ✓ Solve the problem
- ✓ **SHOW** all the steps (What is your evidence?)

## CHECK

- ✓ Is your solution **REASONABLE**? Does it make sense?
- ✓ Reread the directions/questions and check off each completed step.
- ✓ Have you used any **KEY VOCABULARY** in your answer?