

General Problem Solving Guide

List given information, define variables, sketch picture:

Date:

Recorder:

Skeptic:

Timekeeper:

Psychic:

Simplify question, list target quantity: _____

List all related quantitative relationships: _____

Outline approach, sketch diagrams if needed (or sketch next to pictures above): _____

Obtain a general solution:

Check Units:_____.

Check Limiting Cases:_____.

Obtain a numeric solution:_____.
(i.e. plug in the numbers)

Why is solution reasonable? Explain.