This Helpful Procedure for Problem-Solving is demonstrated in the videos.

(1) Clearly Define What the Problem is Asking
For example: Analysis
Relationships
Systems
Units
Tolerate ambiguity and be patient

(2) Create Your Own Idea of the Problem and Identify How it Relates to What You Already Know
For example: Translate – draw a diagram and label it
Identify units
Evaluate creatively
  generalize ... or simplify
  consider heuristics
  recall and apply knowledge, concepts
Keep an open mind and be willing to take risks
Monitor progress and be patient
Stress management, if one gets stuck

(3) Plan a solution
For example: Analysis
Reasonableness
Decision-making
Carefulness and honesty
Be persistent and patient; revisit (1) &/or (2) as needed

(4) Carry out the plan
For example: Analysis
Carefulness and attention to detail
Big picture perspective
Monitor progress and be patient; revisit (1), (2) &/or (3) as needed

(5) Evaluate, check and look back
For example: Analysis
Big picture answer, as well as details
  Reasonableness
  Units
Skepticism and honesty
  Have you answered the question that was asked?
Return to (1), (2), (3) &/or (4) if necessary