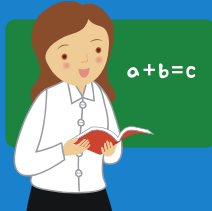


Quantitative Reasoning and Problem Solving Outline

Step 1: Analyze the Problem

- Determine the context. What have you recently learned?



- Read through the problem.

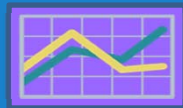


- Pull out relevant information: make a list!



Step 2: Make A Game Plan

- Determine the Goal: What is the end result?
- Draw it: picture, graph, figure, timeline. Label it!



- Check understanding: Do you know the concepts?

- **NO:** Re-read textbook, notes, & review similar problems.

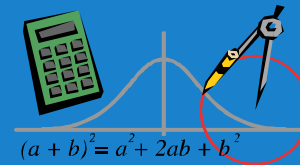


- **YES:** Determine assumptions

- Break problem into pieces; solve one at a time

Step 3: Sort Through Pieces

- Lay out formulas, equations, & methods.



- Do you understand each part?

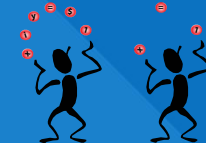
- **NO:** Re-read textbook, notes, & review similar problems



- **YES:** Think back: Make sure formulas align with end result

Step 4: Solve!

- Work with variable form first and simplify



- **Show** all of your steps
- **Verify** methods, assumptions, & results



- **Check** that you understand the entire process!

