

What do you do when you don't know what to do?!

- Underline the important information
- Decide on a plan (multiply, divide, add, subtract)
- Re-read the problem - as many times as you need!
- Ask for help
- Take it one step at a time
- Don't rush through it
- Make sure your answer makes sense
- Take a break or skip and come back
- Keep trying different ideas

Problem Solving Models - Ways to organize your information

- Diagram or picture
- Draw out the situation
- Tally marks
- Chart or web or "tree"

Problem Solving Strategies

- Guess and check
- picturing the situation
- breaking the numbers up (breaking the 50 or the 18 up)
- Talk it out with another mathematician
- Work backwards

Four Step Problem Solving

1. See

- . What is the problem asking?
 - . What information am I given?
 - . What do I need to figure out?
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2. Plan

Choose a Strategy

- . Draw a Picture or Diagram
 - . Find a Pattern
 - . Make a Table
 - . Write an Equation
 - . Work Backward
 - . Use Reasoning
 - . Guess and check
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3. Estimate your answer and Solve

- Estimate what your answer should be
 - Solve the problem and show your work.
 - Circle your answer
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4. Look Back ✓

- . Reread the problem.
- . Did I answer the question that was asked?
- . Does my answer make sense?
- . put a ✓ next to your answer