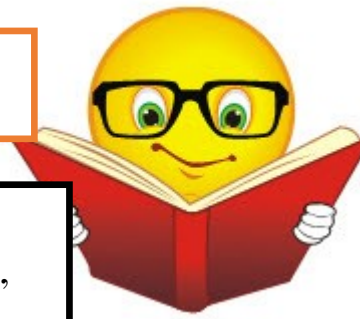


1. Understand the problem

1. Read it carefully.
2. What information is important, un-necessary?
3. Rephrase the problem in your own words.
4. Have you seen a problem like this before?
5. Research.



2. Decide on strategy (way)

- * What problem solving strategy's might I use?
- * What is it that I need to do?
 $+$ $-$ \times \div
- * Draw a plan.
- * What materials do we need?

Problem Solving Cycle

3. Do it!

Solve the problem!
Use the understanding and strategies to solve the problem.



4. Reflect back

- * Can I justify, clarify and prove my thinking?
- * Have I answered the problem?
- * Have I found a number of solutions?
- * Is there now another problem I would like to investigate?
- * What if? (questions)

Justify - Explain
Clarify - Make it clear
Prove - Show

