Homework 1: Solving logic problems

1. You need to make n pancakes for a number of people as quickly as possible. Your only frying pan is big enough to make two pancakes at a time. A pancake needs one minute's cooking on each side, regardless of whether there is one or two pancakes in the pan.

   What is the minimum time to fry 3 pancakes? Explain!

   What is the minimum time to fry n pancakes?

2. There are three children whose first names are Anne, Brian and Mary. Their surnames are Brown, Green and White, but not necessarily in that order. Given the following two clues, can you find each child's full name and age?

   Tip: *Use the grid to help you. Place an x in each box which you know to be wrong, and a ✓ in each box that you know to be right.*

   Clues

   1. Miss Brown is three years older than Mary.

   2. The child whose surname is White is 9 years old.

	Brown	Green	White	7	9	10
Anne						
Brian						
Mary						
7						
9						
10						

   For further puzzles, look at a site such as
   http://www.brainbashers.com/showpuzzles.asp?formpost=Y&field=ctop10a&page=1&puzzletext=A