Toothpick Puzzles

**Square puzzles:** This next set of puzzles start with 24 toothpicks arranged as follows.

![Square Puzzles Diagram]

Puzzle #1: Reduce the number of squares to two by removing eight toothpicks.

Puzzle #2: Reduce the number of squares to five by removing four toothpicks.

Puzzle #3: Reduce the number of squares to five by removing eight toothpicks.

Puzzle #4: Reduce the number of squares to nine by removing four toothpicks.

**Triangle puzzle:** Start with 9 toothpicks arranged as follows:

![Triangle Puzzles Diagram]

Move 3 toothpicks to make 5 triangles.

You can find many more matchbook puzzles on the Internet. These are from [http://blog.aimsedu.org/category/puzzle/toothpick-puzzles/](http://blog.aimsedu.org/category/puzzle/toothpick-puzzles/).