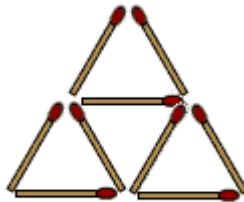


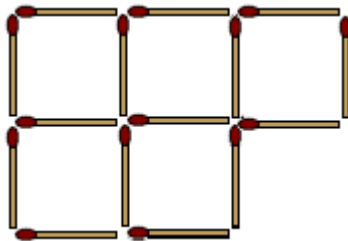
1. Here we have an olive (looking strangely like a dime) in a martini glass. Move two matches, to redraw the martini glass so the olive is outside the glass.



2. Arrange nine matches to form four small equilateral triangles as shown. Now find a way of arranging only six of the matches to form four triangles of the same shape and size.



3. (a) Remove three matches from the fifteen in the arrangement shown to leave three squares.
 (b) Remove two matches from the fifteen in the arrangement shown to leave three squares. (The squares need not all be the same size.)



Solutions

1. Here is the solution, moving the horizontal matchstick, and the one on the far right. Of course you remove the olive by turning the glass upside down.



2. To think three-dimensionally and form a tetrahedron

- 3.

