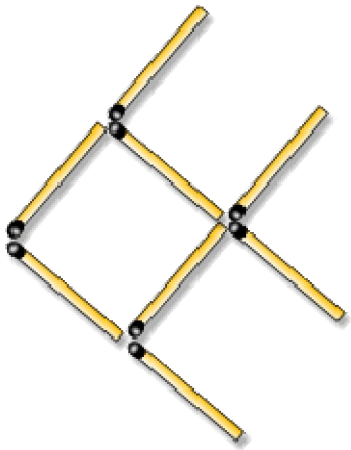
Matchstick

Puzzles

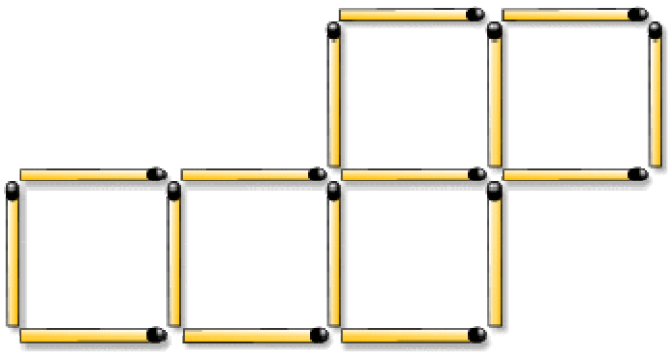
Swimming Fish

Turn the fish around by moving only 3 matches, no overlapping.

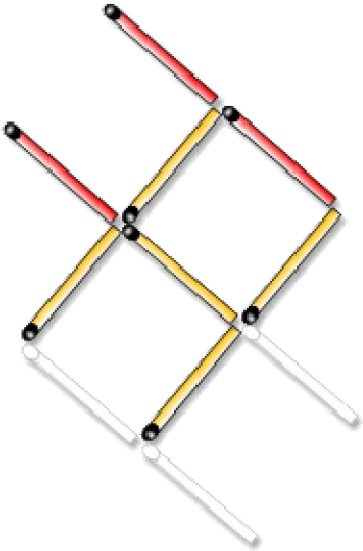


Remove a square (twice)

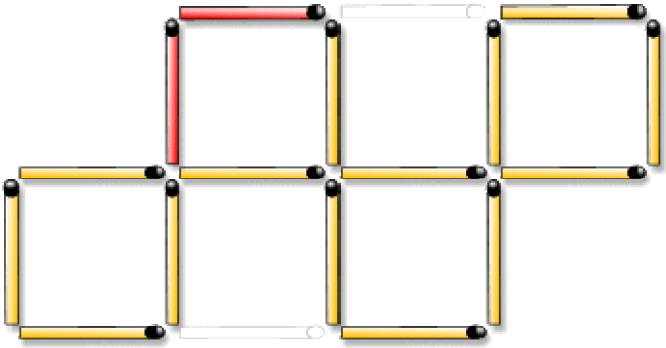
Move 2 matches to new positions to get only 4 squares, no overlapping or loose ends.



Swimming Fish - Solution

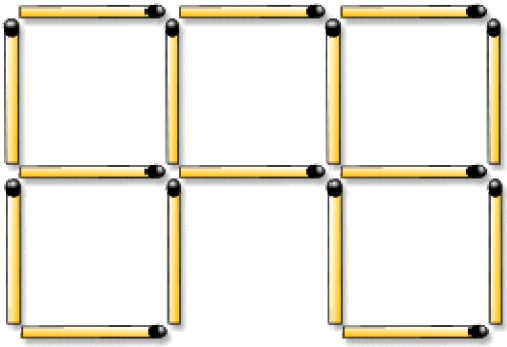


5 Squares to 4 – Solution



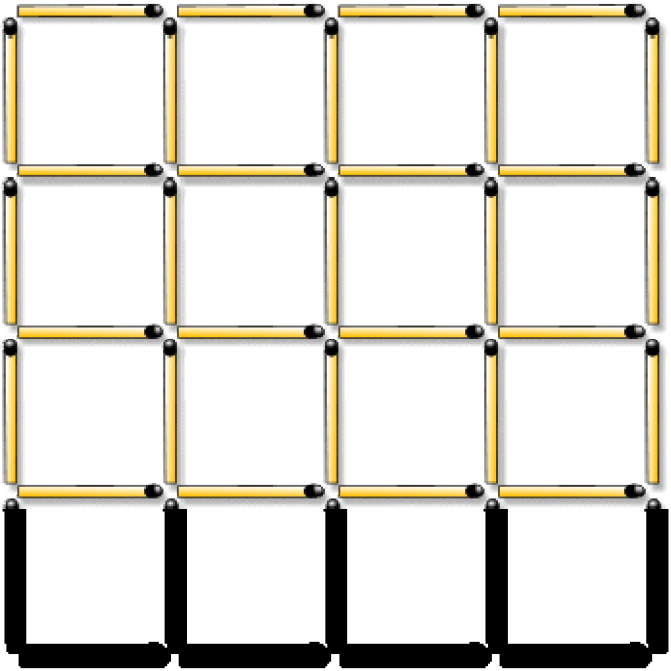
Remove a square (twice)

Move 3 matches to new positions to get only 4 squares, no overlapping or loose ends.

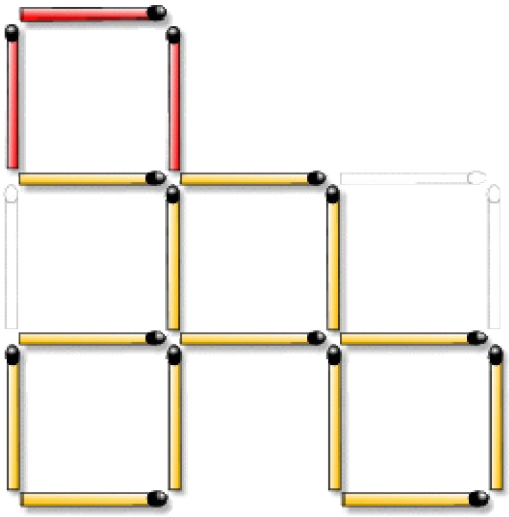


16 squares to none

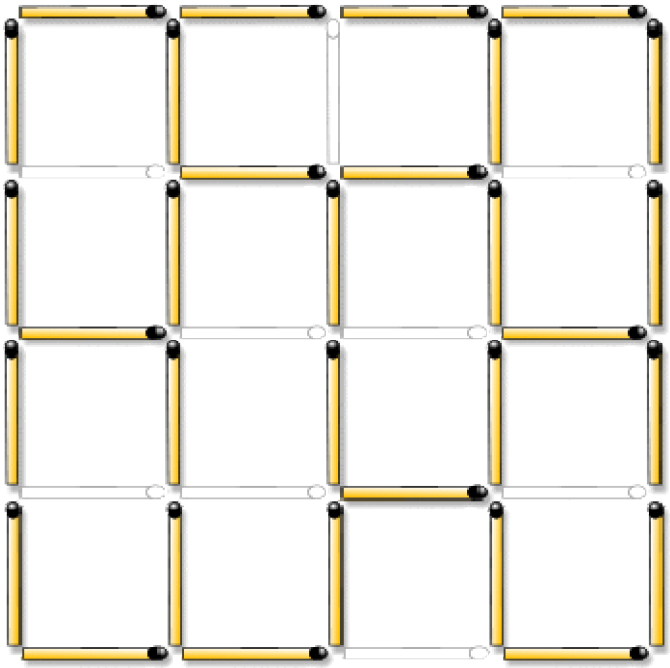
Remove 9 matches so that no square (of any size) remains.



Remove a Square - Solution

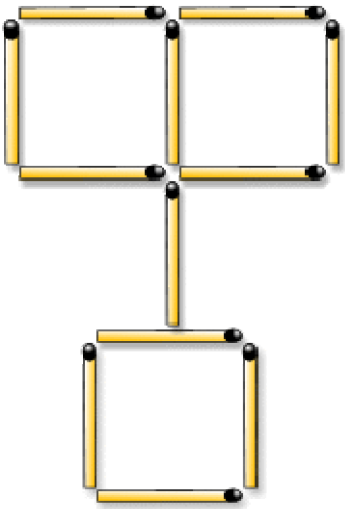


16 Squares to none - Solution



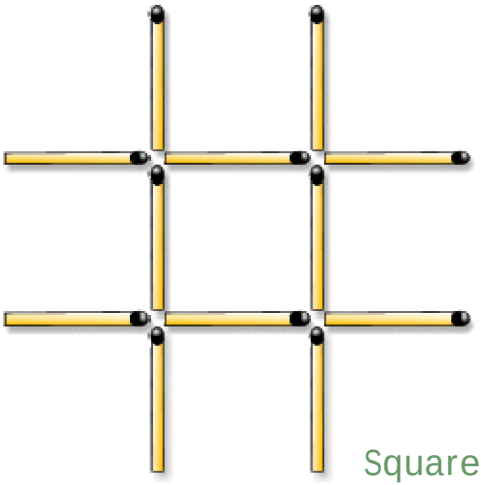
3 squares to 5

Move 6 matches so that 5 squares are formed.

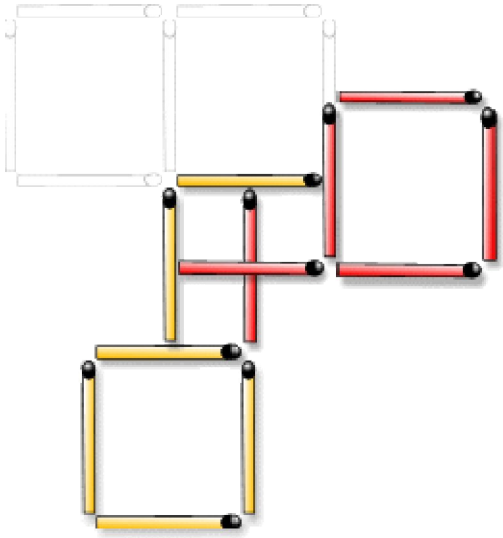


Make 3 squares

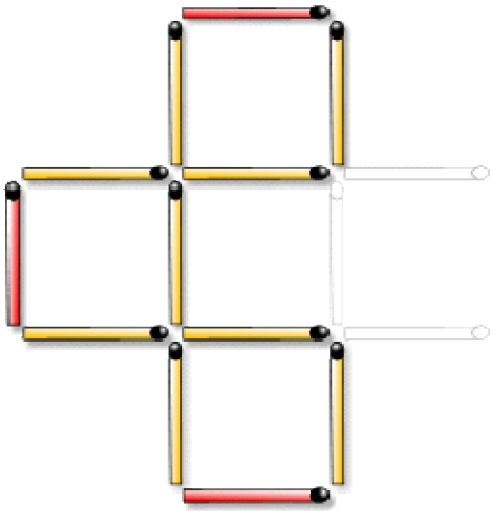
Move 3 matches to get 3 perfect squares.



3 Squares to 5 - Solution

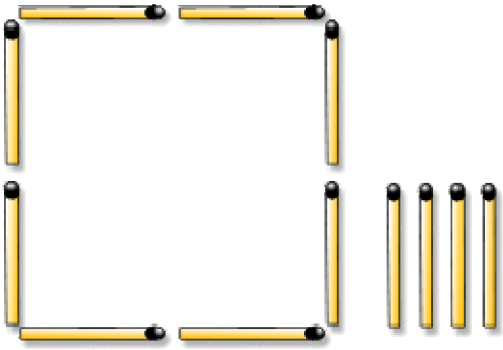


Make 3 squares - Solution



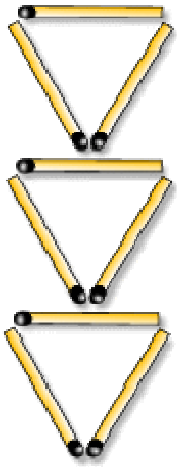
Divide by 2

Use the four matches to divide the large square into 2 parts of the same shape. Use the matches without breaking or overlapping them.

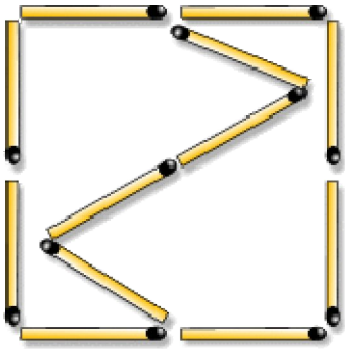


3 Triangles to 4

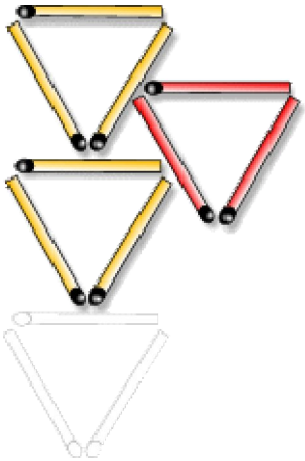
Move 3 matches to make 4 equilateral triangles, no overlapping.



Divide by 2 Solution

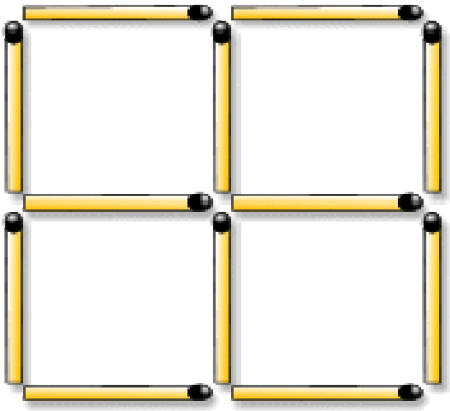


3 Triangles to 4 - Solution



4 Squares to Many

Take this arrangement and with the following moves:-



1. Move 2 matches to make 7 squares

2. Remove 2 matches and leave 2 squares

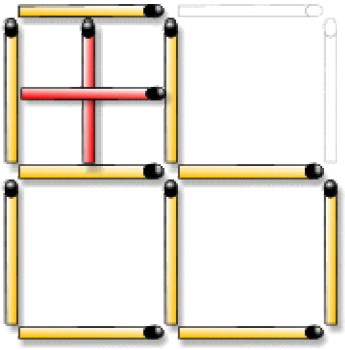
3. Move 3 matches and leave 3 squares

4. Remove 3 matches and move 2 to form 3 squares

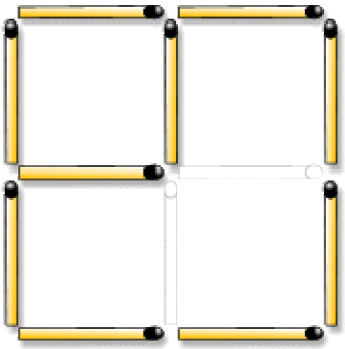
5. Move 4 matches and form 3 squares

6. Remove 1 match and move 4 to make 11 squares

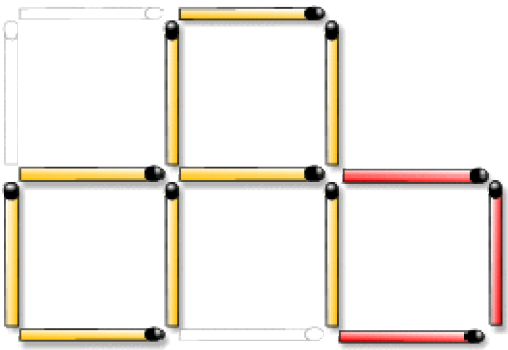
1. 4 Squares to Many – Solution



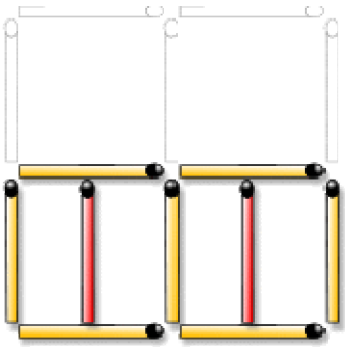
2. 4 Squares to Many – Solution



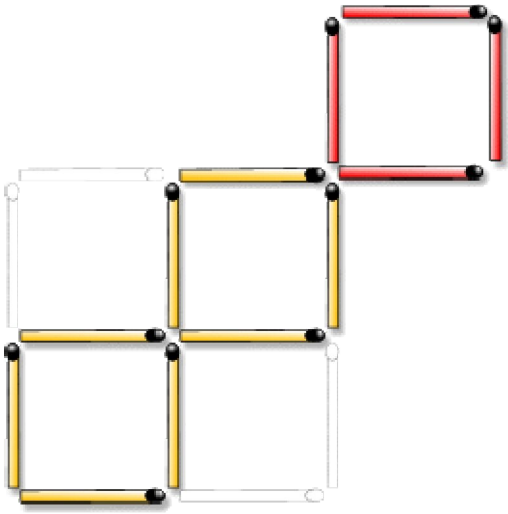
3. 4 Squares to Many – Solution



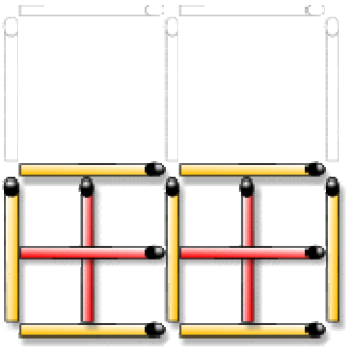
4. 4 Squares to Many - Solution



5. 4 Squares to Many - Solution

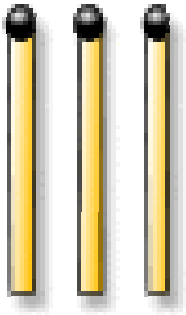


6. 4 Squares to Many - Solution



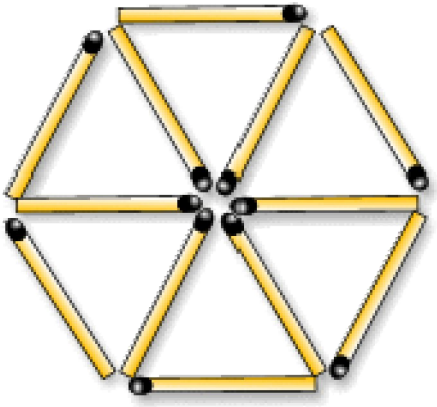
3 to 6

Make these 3 matches into 6, no breaking into pieces.

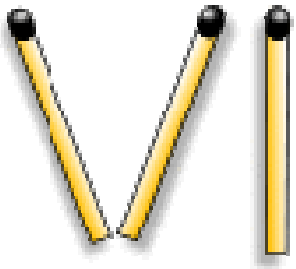


A wheel to Triangles

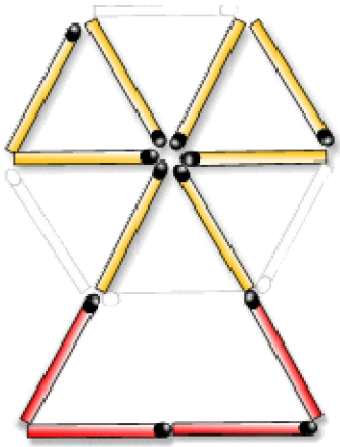
Move 4 matches to form 3 equilateral triangles.



3 to 6 - Solution

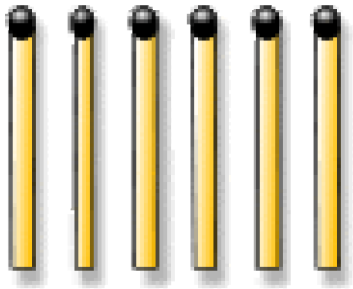


Wheel to 3 Triangles - Solution



5 add 6 makes 9

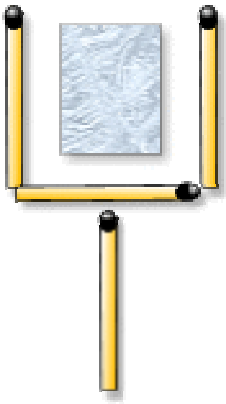
Add 5 matches to these 6 matches and make 9.



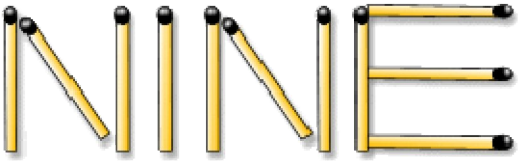
Ice in the Glass

1. (Easy) Move 3 matchsticks and reform the glass in the same shape so the ice is outside it.

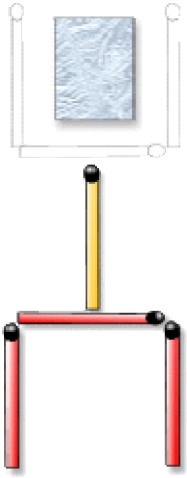
2. (Harder) Move 2 matchsticks and reform the glass in the same shape so the ice is outside it.



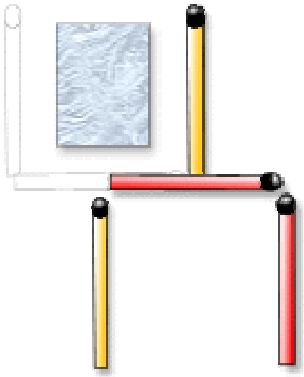
5 add 6 makes 9 - Solution



1. Ice in Glass - Solution

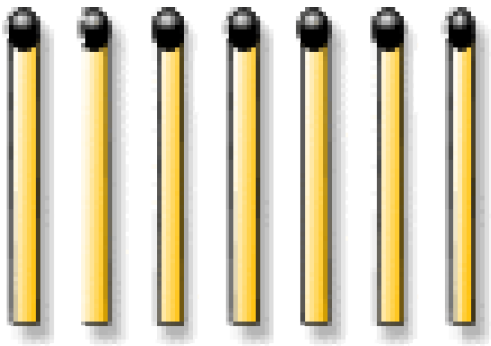


2. Ice in Glass - Solution



7 to nothing

From these 7 matches, take 1 away and move 2 to leave nothing.



7 to nothing - Solution