

The Christmas tree shown in the illustration consists of two equilateral triangles, each of which is formed of three matchsticks.

Puzzle 1. Move two matchsticks in order to obtain three equilateral triangles.

Puzzle 2. Move three matchsticks in order to get eight triangles.

Puzzle 3. Move three matchsticks in order to create three triangles identical in their shape and area.

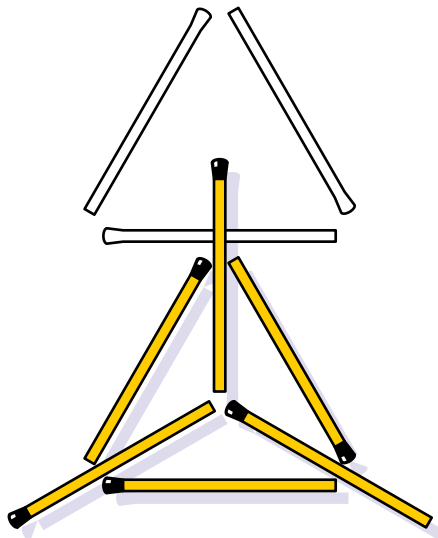
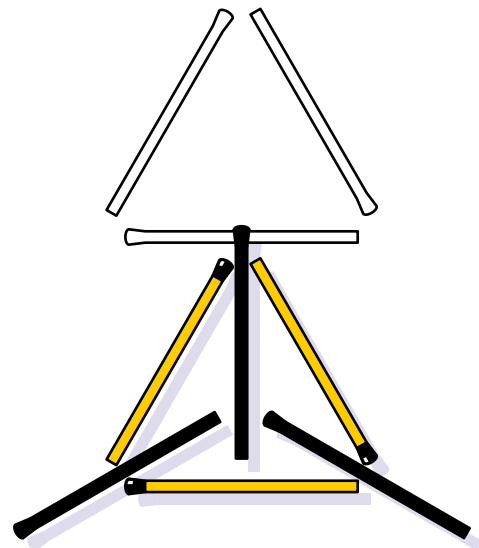
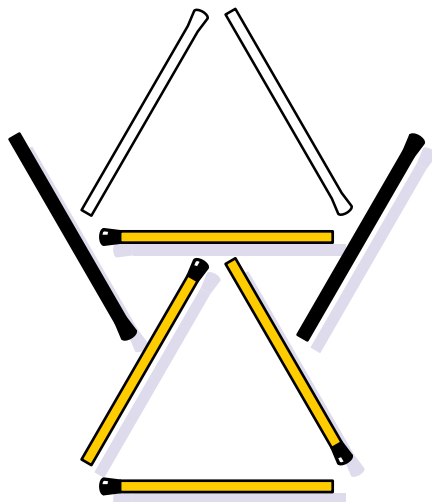
For all puzzles above the overlapping of the matchsticks is not allowed.

More from the author at PeterPuzzle.com

*The puzzle was inspired by Christmas Tree puzzle by Serhiy Grabarchuk, Jr.

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The solutions are shown in the illustration.