

An old puzzle that was used for advertising purposes by the soup and sauce manufacturer T. A. Snider Preserve Co. with pictures of their products on the puzzle pieces. We just replaced them with color butterflies, and added three more challenges.

Print out the pieces shown in the illustration and then carefully cut them out.

Note that for all the puzzles below you may rotate the pieces as you wish, but you are not allowed to flip them over, and in the final position pieces may not overlap each other.

Original Puzzle. The object is to arrange all the pieces into a perfect square.

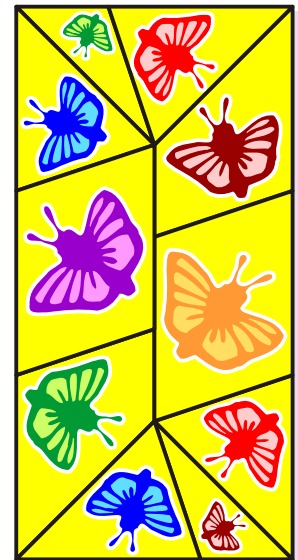
Puzzle 2. Rearrange your square so that the pieces with the butterflies of the same color will not touch each other even at their corners.

Puzzle 3. Now arrange all the pieces into a rectangle. Of course, a square is a special kind of rectangle, but the object of this challenge is to make a real rectangle with its length being longer than its width. This new shape for the Diamond puzzle was just discovered - what a nice surprise!

Puzzle 4. Then rearrange your rectangle in such a way that the pieces with the butterflies of the same color don't touch each other even at their corners.

Puzzle 5. A new shape which is possible to arrange using all the pieces of the Diamond puzzle is a rectangular frame. It's a rectangle with a rectangular hole in it. This recently discovered new shape for the Diamond puzzle is one more great surprise!

Puzzle 6. Finally rearrange your rectangular frame so that the pieces with the butterflies of the same color again don't touch each other even at their corners.

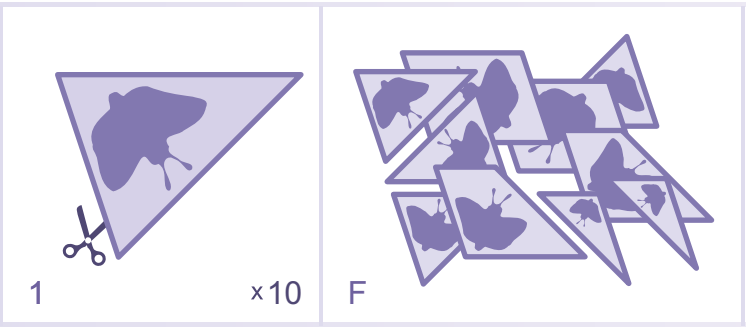
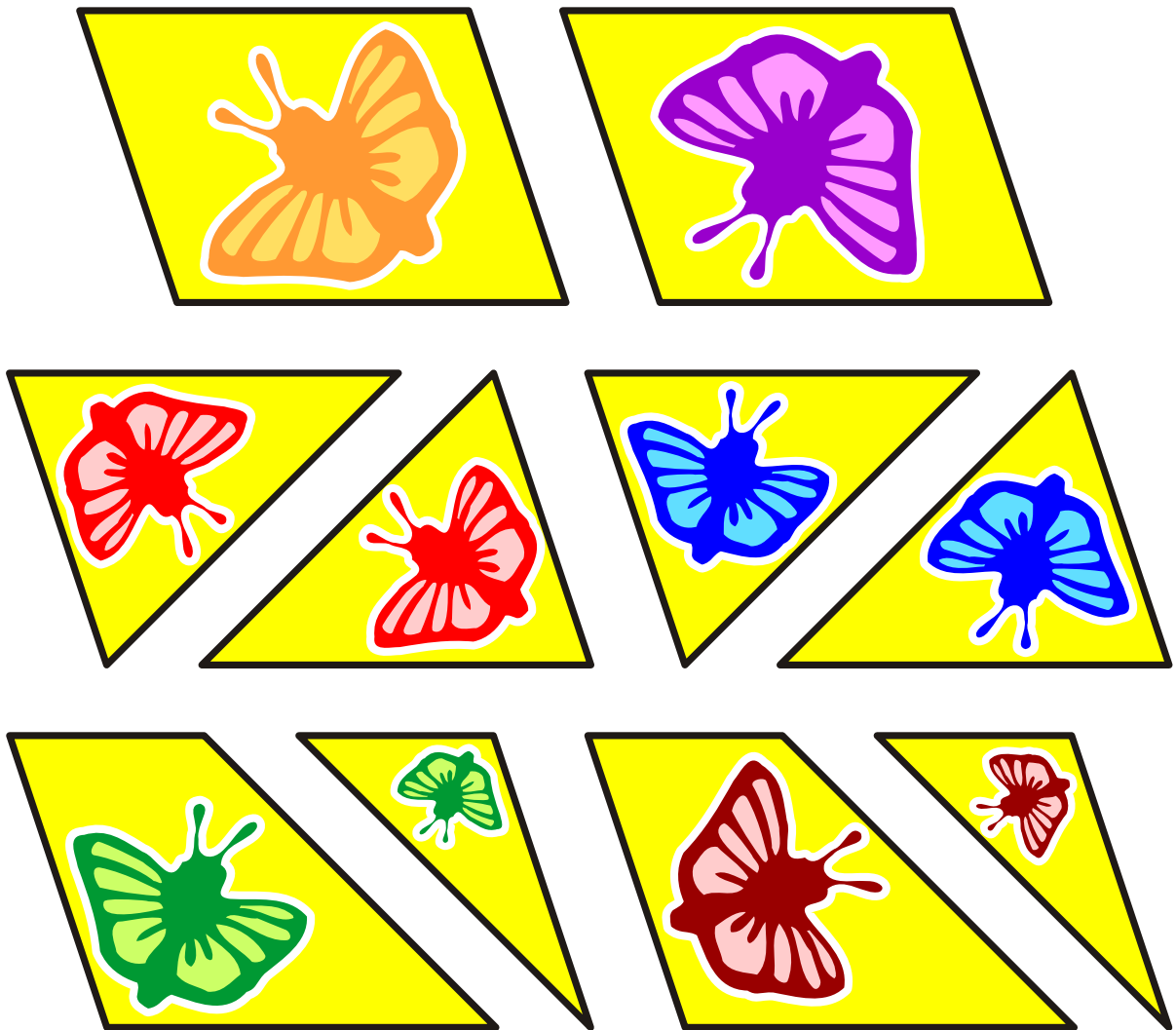


One of the solutions to the classic version of this puzzle is shown in the left illustration. At the same time this is one of the solutions to Puzzle 2.

The solution to Puzzles 3&4 with the rectangle is shown in the middle illustration.

The solution to Puzzles 5&6 with the rectangular frame is shown in the right illustration.

The new shapes for the Diamond puzzle - both rectangle and rectangular frame - were discovered by Serhiy Grabarchuk.



To produce the pieces first print them out. Then follow the diagram shown above - from step 1 to step F (finish).