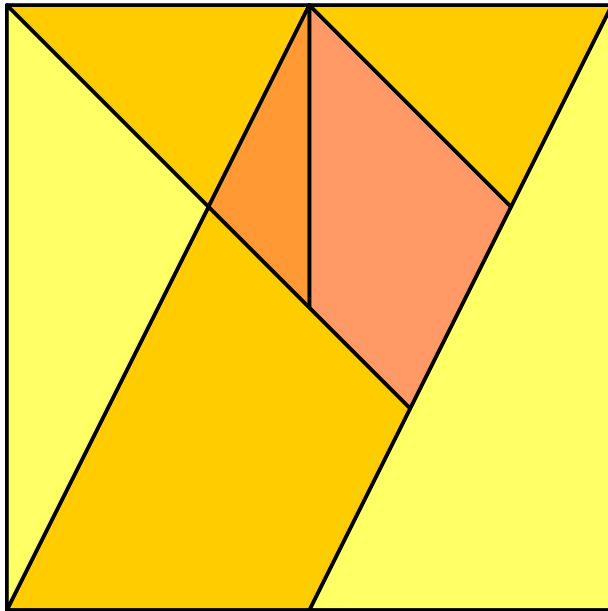




## The Tangramion

by Serhiy Grabarchuk



The Tangramion.

This is a new assembling puzzle consisting of seven two-sided tiles which initially form a perfect square as that shown at left. Using all the seven tiles, you can solve different challenges both entertaining and cognitive. Some of them are posed below:

1. Form different shapes shown in page 2 with all seven tiles each time.
2. What's the ratio of all the seven tiles of the Tangramion?
3. A square can be formed in several different ways. Can you find all of them?
4. What's a total number of convex shapes which can be formed, using all the seven tiles each time?

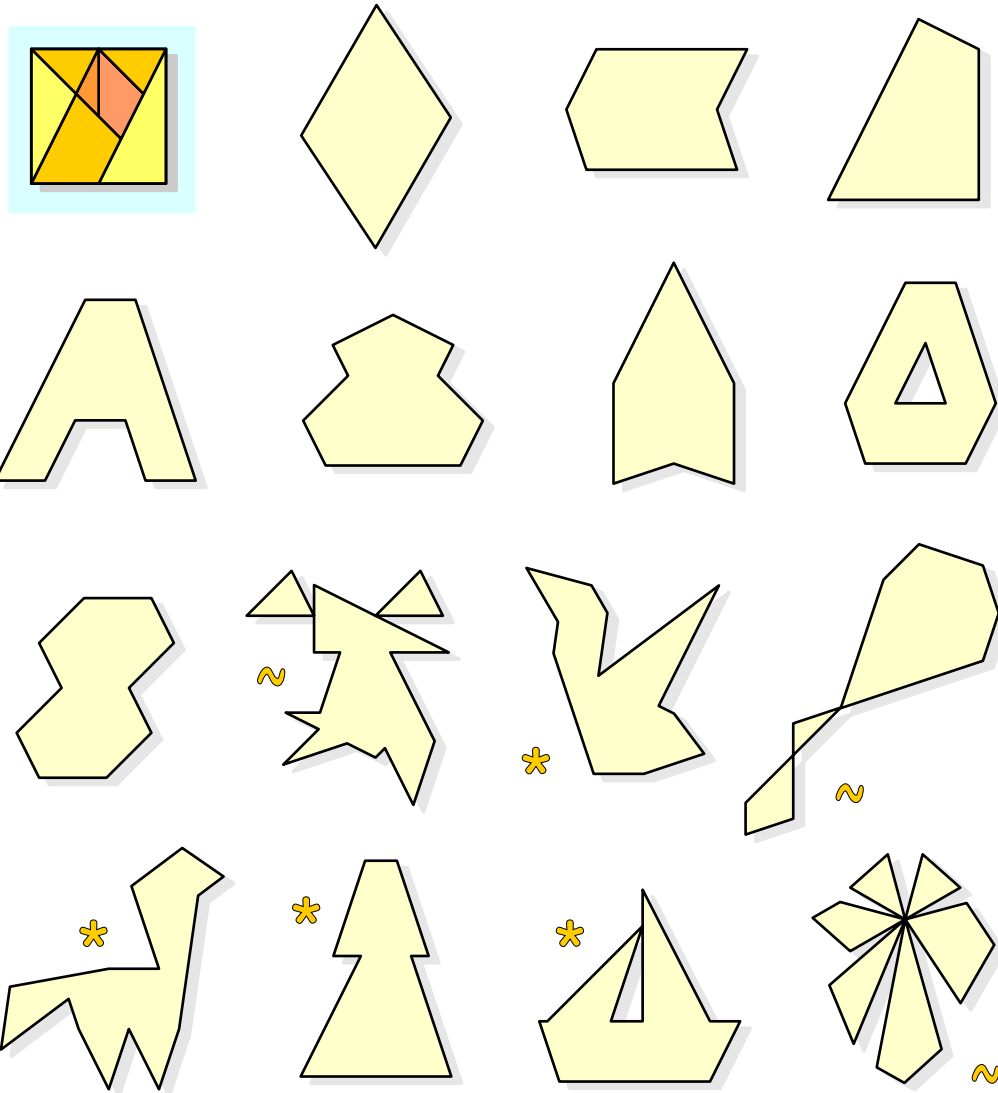
Note, that tiles can be rotated and flipped over, but not overlapped.





## The Tangramion: Shapes

by Serhiy Grabarchuk



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Assemble these shapes, using all the seven tiles of the Tangramion.\*

\*) It is the first series of shapes; the second series will follow. Shapes marked with (~) were created by Tanya Grabarchuk. Shapes marked with (\*) were created by Helen Homa. The remaining shapes are created by myself.

Posted: October 27, 2007

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