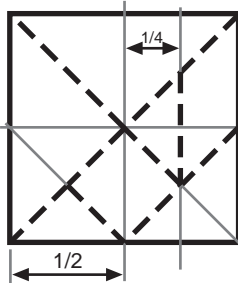
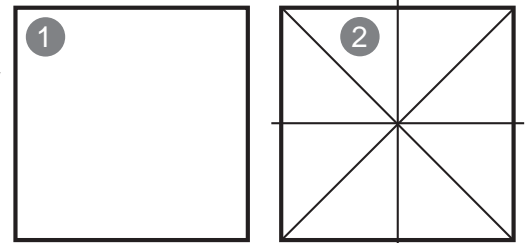


Tan gram is an ancient Chinese game. It is a square split into polygonal pieces: Five isosceles triangles, a square and a parallelogram. The game consists on getting schematic geometric figures or shapes using all its pieces without overlapping them. Tan Gram construction is simple:

1st- Build a square.

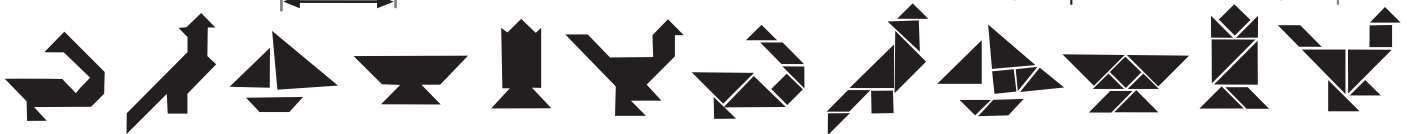
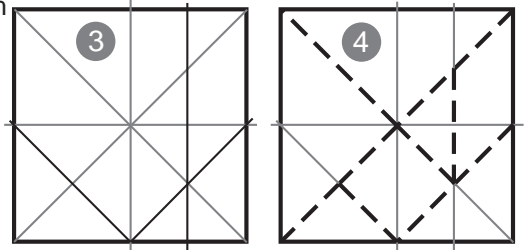
2nd- Draw its diagonals and, through the point where they both meet, draw two parallel lines to the square sides.

3rd- Draw the missing diagonals to the squares (two quadrants) below. Draw a parallel to a vertical side, through the diagonals intersection of the bottom right quadrant.



4º- Cut out following the diagram in the fourth step illustration

Below you can see six examples of the game. The six on the left are examples of figures and on the right you can see their solutions.



With a pencil, ruler, scissors and colored paper, better to use cardboard, build a Tan Gram out of a 110 mm square. Make up four to six figures on your own. Draw their silhouettes. Draw their solutions in another paper so you don't forget. Play the game with a partner: Show the silhouette so your partner needs to find out how to build it, and then opposite. In the end, draw the silhouette and the solution of the best figure you made up in the empty area of this worksheet.

Goup	Last names, Name	Date





OUTLINE: Or contour, It is the line surrounding a shape. An outline drawing only has one line that defines the shape with no infill.

SILHOUETTE: It is a figure filled in with a **solid color**, like the cast shadows, but a silhouette can have any color.

INFILL: Or just fill, it is the content of a figure inside its outline, it can contain dots, lines, textures and any kind of colors or ranges, etc.

On the left we see Rene Magritte's artwork called "The large family" in which the author changed the pigeon's infill by a partly cloudy morning sky, in contrast with a dark starry sky in the background.

In this exercise you must draw two simple objects, only with their outlines. Next to each other you will draw the figures as silhouettes (you can help yourself cutting out some coloredcardboard). And in the third box you will do the same trick as Magritte's artwork, You'll change the figure's infill by some other background that you choose. Do not forget to draw also a background for the changed infill figure. Be original and creative!!!

OUTLINE 1	SILHOUETTE 1	INFILL (and background)1 Change original infill by a background
OUTLINE 2	SILHOUETTE 2	INFILL (and background)2 Change original infill by a background

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