

Geometry
Dissection Puzzles
Friday October 18, 2013

Name _____
period 1 2 3 5 6
DUE Friday October 25, 2013

TANGRAMS: A dissection puzzle is one of the oldest forms of recreational math. Below is the classic Chinese tangram - a square divided into seven sections. A dissection puzzle consists of cutting a region or shape into pieces and then fitting the pieces together into its original shape or completely new shapes.

Cut out the seven tangram pieces and rearrange them to form the two different silhouettes at the right.

Both silhouettes were made by arranging all seven tangram pieces, but the one on the right seems to have an extra piece. Show how each shape was made by drawing the dissection lines on the silhouettes.

"Although the earliest reference to a tangram is in a Chinese book published in 1826, many believe its origins date much earlier than that. We do know that Edgar Allen Poe and Lewis Carroll were devotees; Napoleon spent countless hours in exile inventing and solving tangram problems.

Creating your own design is a meaningful artistic pastime that will strengthen your powers of abstract visualization."

- Ivan Moscovich [1000 Play Thinks](#)

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TANGRAM pieces

