

# Tangrams

## Activity 4 - Double Tangrams



A tangram is an ancient Chinese puzzle. According to legend, a scholar named Tan discovered the game by accidentally dropping a square porcelain tile and breaking it into seven geometric pieces.

The seven tangram pieces are: two congruent small triangles (equal to each other in shape and size), two large congruent triangles, one medium sized triangle, one small square, and one parallelogram. These seven pieces form a complete tangram puzzle. You can see how these pieces fit into a square. For this activity, make sure you make two sets of tangrams.

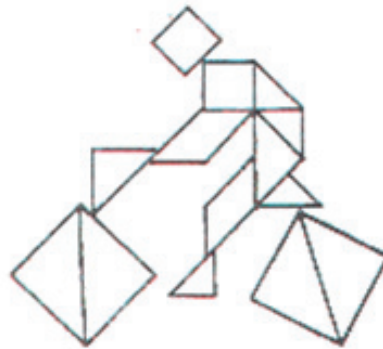
### Activities:

With double tangrams you can make more complicated and more interesting shapes. (We suggest that you become comfortable with making shapes from one set of tangrams before you move on to these.) Double tangram puzzles are double the fun but also double the challenge. So, make sure you've got some patience when you play around with these puzzles. Remember that you have to use all 14 pieces to construct your shapes.

Here are some examples of double tangrams:



Microscope



Cyclist



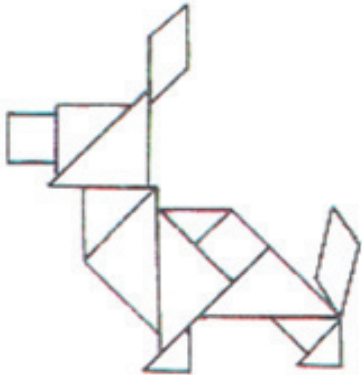
Rocket

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Can you believe THIS is math?

# Tangrams

## Activity 4 - Double Tangrams - *continued*



Dog



House



Lion

### Activities:

Make the double tangram shapes shown above. Try to think of other shapes and explore making them with your double tangrams.

Choose tangram characters and arrange them in a way that tells a story. Glue your shapes to a piece of cardstock and decorate your door or wall!

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