



TANGRAM CHALLENGE



CHALLENGE

Engaging in tricky things helps us to grow, learn and, connect with others.

Activity overview

A geometric puzzle to challenge the brain

Equipment required

A printed copy of the puzzle

Time required
5 minutes plus

Tangram is an ancient Chinese geometric puzzle. A square is cut into seven pieces that can be arranged to create different figures.

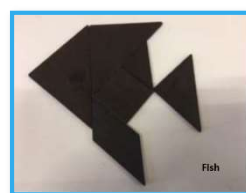
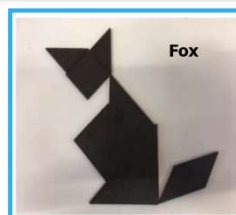
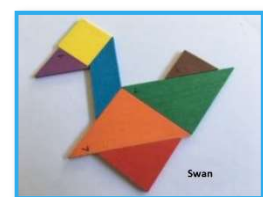
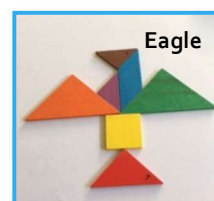
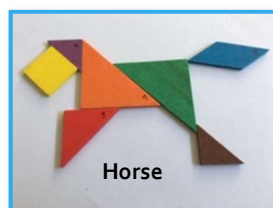
The objective is to form a specific shape using all seven pieces, none of which may overlap.

What to do:

- Print the pattern on thick paper or card so that it can be re-used
- Colour and cut out the pieces
- Use the puzzle pieces to recreate the patterns.

Need more ideas?

- Timed challenge: how quickly can you recreate a pattern?
- Make the numbers 0 – 9 using all 7 pieces for each number
- Create your own shape for someone else to recreate
- Partner tangrams: one person closes their eyes (or wears a blindfold) and recreates the pattern by following the instructions of their partner.



Source: <https://www.interactive-maths.com/tangrams-ggb.html>

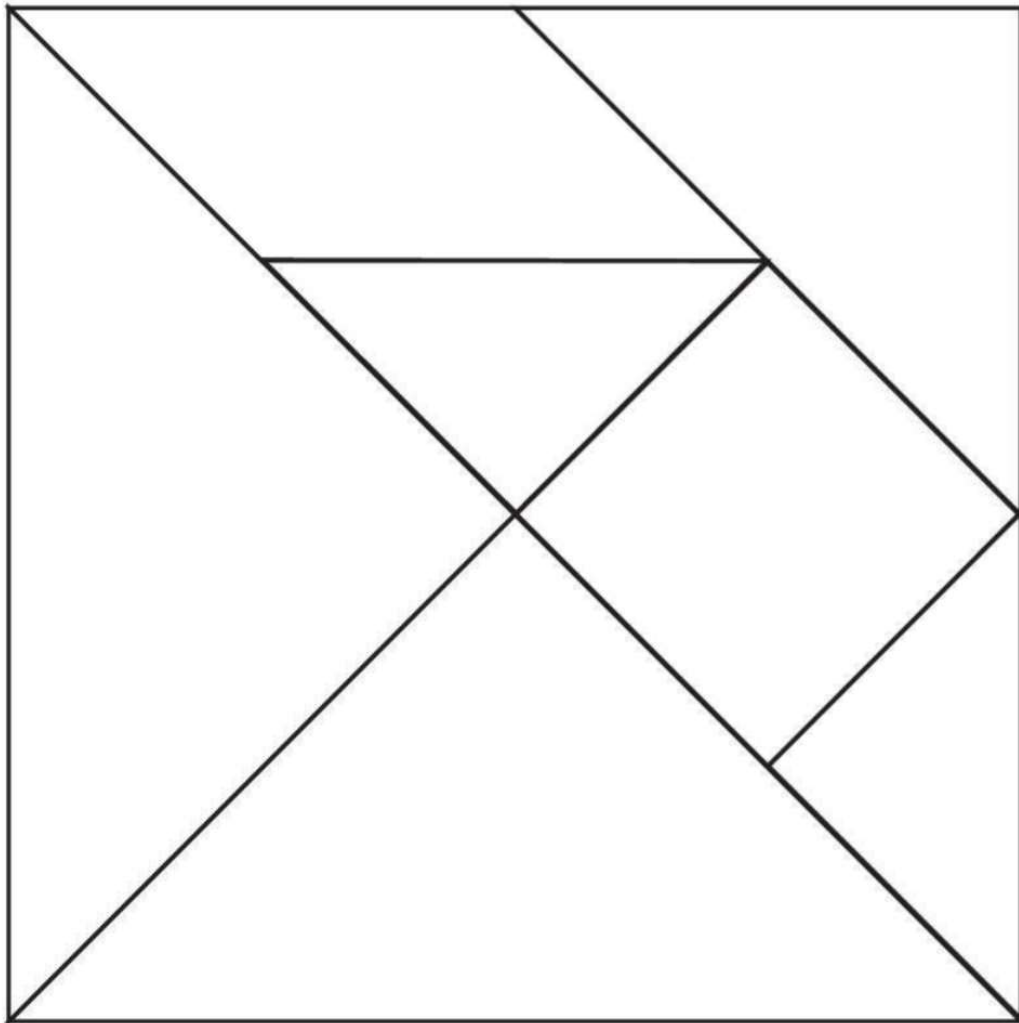
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TANGRAM TEMPLATE

Colour and make your own Tangram



Source: <https://www.thoughtco.com/tangrams-geometry-worksheet-2312325>

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