



MATHS

## *TANGRAMS: Investigating shape and solving problems*

A Tangram is a Chinese puzzle consisting of a square cut into seven pieces which can be arranged to make various other shapes.

One of the main benefits of tangrams is the ability to manipulate the pieces; to "play" with the shapes and get a feel for the challenge.

This activity will bring together children's knowledge of the properties of 2d

### **Download the Ship Tangram PDF**

Look carefully at the how the picture of the ship has been made

1. How many 'tangrams' do you think have been used to make this ship?
2. Cut out the shapes and try to rearrange to make the same picture
3. Now use the pieces to make 2 separate 'Tangram' squares
4. Can you make a ship from each 'Tangram'?

### *Challenge*

**Start with a square. Cut it into 7 shapes.**

**Arrange your shapes to make a ship.**

**Send a photo of your tangram ship to us at PSC!**

### **Nrich Activity:**

Click on the link below for more Tangram investigations

<https://nrich.maths.org/6715>