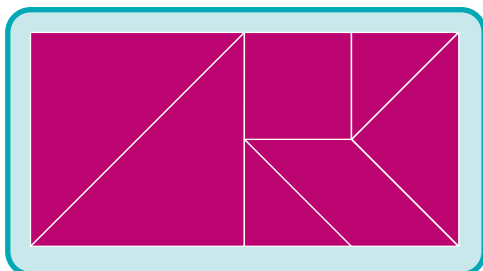


Tempting Tangrams

ACTIVITY

You need: thin card, scissors

1. Make a set of tangram pieces from a square of thin card. Follow the diagram, folding and cutting as shown. Label the pieces A–G.
2. If piece D has an area of 1 square unit, what is the area of each of the other 6 pieces?
3. What is the total area of the 7 pieces?
4. How long was the side of the square you used to make the tangram set (in units)?
5. What do the 4 pieces D, E, F, and G all have in common with each other but not with the other 3 pieces?
6. The 7 pieces can be rearranged to make this rectangle:



Rearrange them so that they make:

- a. a parallelogram
- b. a hexagon
- c. a triangle
- d. a trapezium
- e. a pentagon.



Fold along the diagonals.

Fold a corner to the centre.

Cut along the lines.

Make three more folds.

Open out and cut into 4.