

Chapter 16 – Rich task 3 - Tangrams

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Tangrams

This diagram shows how you can make a set of seven tangram pieces from squared paper.

- 1 Name each tangram shape and describe its properties.

Make a triangle using

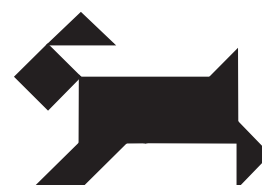
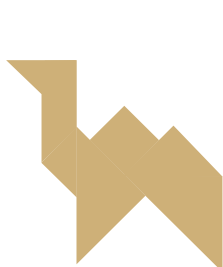
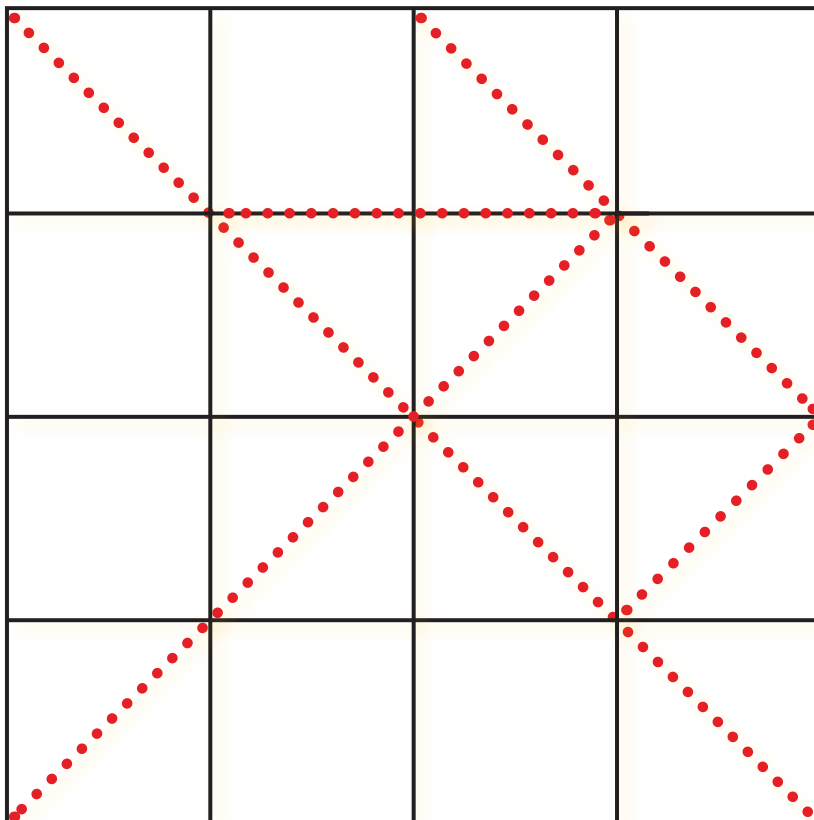
- i two pieces
- ii three pieces
- iii four pieces
- iv five pieces
- v all seven pieces

- 2 Use all seven pieces to make these shapes:

- a a rectangle
- b a parallelogram
- c a trapezium
- d an irregular hexagon

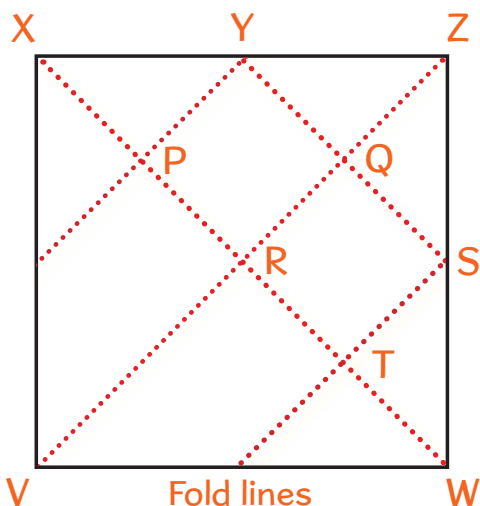
- 3 Use all seven pieces to make the shapes below.

Tell a partner how you used the properties of the tangram pieces to help you make these shapes.



Making a tangram by folding

The diagram shows how you can fold a square of paper to make the 7 pieces.



- 1 Get a square piece of paper.
- 2 Fold the diagonals, XW and VZ.
- 3 Fold Z onto R to get YS.
- 4 Fold X onto R to locate P.
- 5 Fold W onto R to locate T.
- 6 With a pencil join XW, YS, PQ, VR, RQ and ST.
- 7 Cut out the 7 pieces.