

MATHEMATICS



Geometrical shapes

HOW TO CREATE YOUR ELEMENTS

STORAGE

The easiest way to store the box's items is to put them in an envelope. For the different alternatives (see below), you may need up to a shoebox to store the elements.

CRAFT THE ELEMENTS

A. Print the Annexes

1. On A4 sheets (at least 220gr), print the Annexes Tangram-1 (One annexe per pupil)
2. On A4 sheets (at least 220gr), print the Annexes Tangram-2 (One annexe per pupil)
3. On A4 sheets (at least 220gr), print the Annexes Tangram-3 (One annexe per pupil)

B. Prepare the elements

1. Take page 3 and read the Tangram's story to the pupils.
2. Take Annex 1 (Tangram-1) and cut out the different shapes along the lines.
3. Look at Annex 2 (Tangram-2) and try to reshape the figures using the cut-out shapes.



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POTENTIAL ISSUES

If one of your pupils has difficulty cutting out shapes, you can use already-cut shapes or ask a faster pupil to help.

ALTERNATIVES

A. Wooden Tangram

If you have access to a laser-cutting machine, you can make the Tangram parts in wood and then paint them. In this case, you'll need to store the elements in a small box (which you can pick up or build yourself) or in a shoebox.

B. 3D Printed Tangram

If you have access to a 3D printer, you can download a free Tangram template on the Internet. In this case, you'll need to store the elements in a small box (which you can pick up or build yourself) or a shoebox.



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