

# How to make...

## An Architecture Slider Puzzle

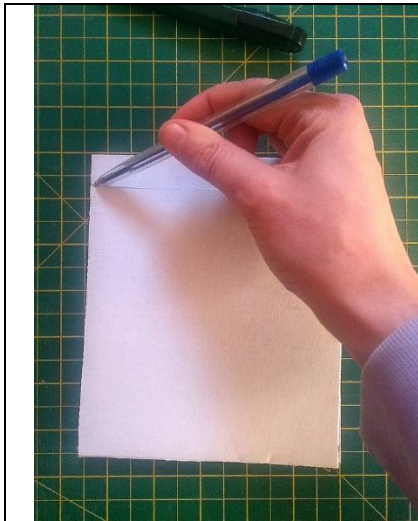


Can you slide the tiles in the correct order to reveal a beautiful architecture building? This puzzle slider will be just as fun to make as it will be to play. Keeping both young and old entertained, this game might bring out your competitive side!

### This is what you'll need

- A medium sized piece of cardboard
- Ruler
- Pencil
- Scissors
- A craft knife and board suitable for cutting on
- Paint & paintbrush
- Paper
- Colouring pencils/felt tips
- Printer (optional)
- PVA Glue or double-sided sticky tape

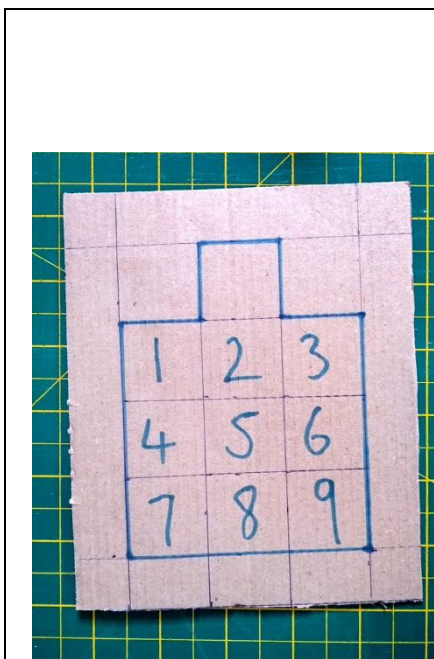
## Get making, this is how



### 1. Make the Frame

Draw two rectangles onto card which measure 16cmx13cm (h)x(w).

Cut them out using scissors.



### 2. Create the Grid

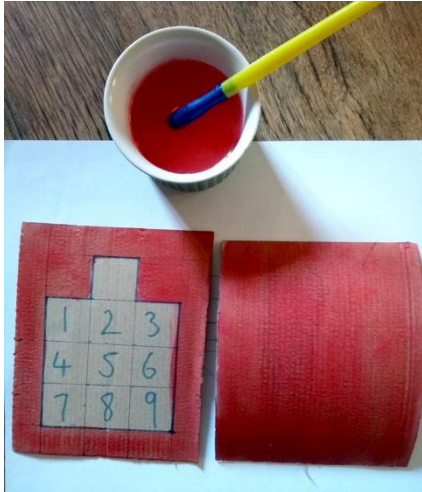
On one of your rectangles;

Measure 2cm from each edge and draw in pencil a line end to end, so you have a 2cm border going all the way around your piece of cardboard. *This border should remain untouched for the next few steps.*

In the remaining space (which should measure 12cm x 9cm) draw a grid of squares sized 3cm x 3cm, so you end up with four rows of three squares.

Starting from the second row, number each square 1 to 9 as shown in the picture

Using a pen draw along each edge of your grid, except for the top row of squares, where you draw around only the middle square as shown in the picture.



### 3. Paint the Frame

Choose a colour of paint you like

Paint over the side of the piece of cardboard you haven't drawn on

On the piece of cardboard you have drawn your grid on, paint the borders and the two squares on your top row as shown



### 4. Create the Picture

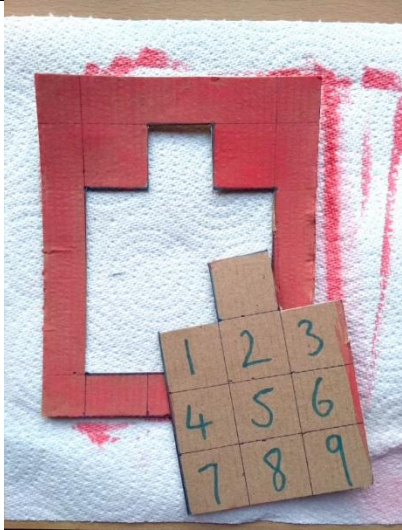
Draw on a piece of paper a square that is 9cm by 9cm

Research buildings, skylines or urban views and choose your favourite. You could look on the internet, out of your window or even make one up!

Draw the image you have chosen onto your square and colour in.

Cut the square out.

*Alternatively you can print an image of the computer but make sure the size is still 9cm x 9cm when printed and cut out.*



### 5. Remove the Grid

Check your frame is dry!

Cut out the unpainted grid ideally using a craft knife and ruler, always slicing away from you. Please ask an adult to do this or do under adult supervision only.

If you don't have a craft knife ask an adult to snip a small hole on an edge you will be cutting out to get you started.

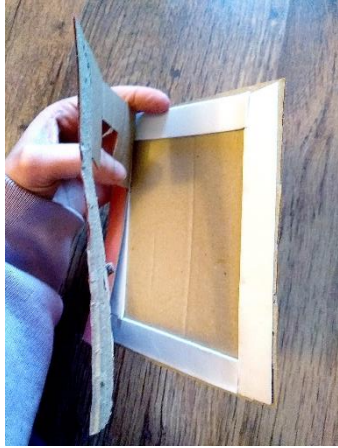


### 6. Create the tiles

Stick your picture onto the back of your grid. (It should fit over perfectly as it is the same size).

Cut out each square tile.

Discard the blank one which was located above the number 2 tile – you don't need it.



### **7. Assemble everything**

Glue the two parts of your frame together using glue or double-sided sticky tape, making sure the painted side is facing outwards.

Finally slot the tiles into the frame making sure the top square is empty.

Smooth the corners by cutting the points off

Why not add decorations to the frame, maybe even name your game?

Now slide those tiles around until they are all jumbled up, then try and put them back in the correct order!

### **Make it more fun!**

Why not have everyone in your family make their own slider puzzle without saying what the picture is. You can then swap them around and try and guess what the pictures are as you play!

To make it more difficult, make the grid have more squares in it – just remember each tile will need to be the same size, so you need to carefully calculate the size of each square.

Why not time how long it takes everyone to complete – who is the fastest puzzle solver in your family?

## Find some inspiration

Why not explore our amazing collection of architecture images on RIBApix? If you really want to challenge yourself you could have a go at making a slider puzzle from some of these images!



Lloyd's building, Lime Street, City of London: the atrium seen from the main entrance, 1986.

Architect: Richard Rogers Partnership

Source: [Alastair Hunter / RIBA Collections](#)



St Mary Aldermary, Bow Lane, City of London: detail of the spandrels and fan vaulting of the nave, 1957.

Architect: Sir Christopher Wren

Source: [Edwin Smith / RIBA Collections](#)



Exterior of Selfridges, Birmingham, with aluminium cladding, 2005.

Architect: Future Systems

Source: [Ken Kay / RIBA Collections](#)



London skyline, City of London, seen from the Monument, 2014.

Architect: Various

Source: [Agnese Sanvito / RIBA Collections](#)

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