

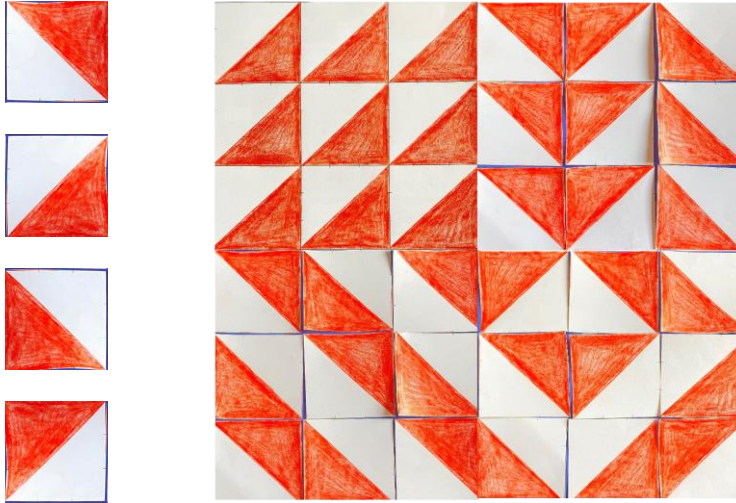
# Infinity Tiles

## Truchet Tiles

Sebastien Truchet (1657- 1729) was a Dominican priest who - inspired by the decorations he had seen on the French canals – developed a design concept.

Truchet took 4 simple tiles and looked at ways to arrange them.

He created designs based on the combinations he found and discovered that an infinite number of patterns could be created by altering the way he rotated and placed each tile.

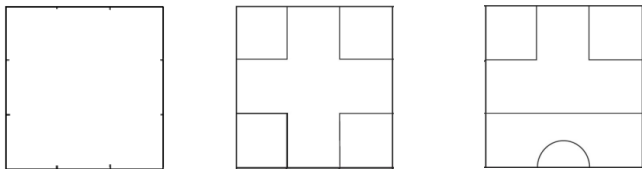


Why not try creating your own **simple Truchet Tiles** and see how many **patterns you can come up with!** Here's how:

1. Draw and cut out a square (or use a square piece of paper) and then draw a line diagonally from one corner to the other. This will create two triangles!
2. Decorate your triangles using two different colours.
3. Repeat until you have lots of tiles.
4. Rotate your tiles and arrange to make a pattern.

Use the template to design your own more **complicated tiles!**

**No Printer? No Problem!** You can draw your own grid. Remember to add marks along the edge of each tile and when you design each square – make sure you connect the marks only once!



## Why is this maths?

Apart from discovering never ending patterns, you'll find yourself imagining how shapes and lines can rotate and fit together.

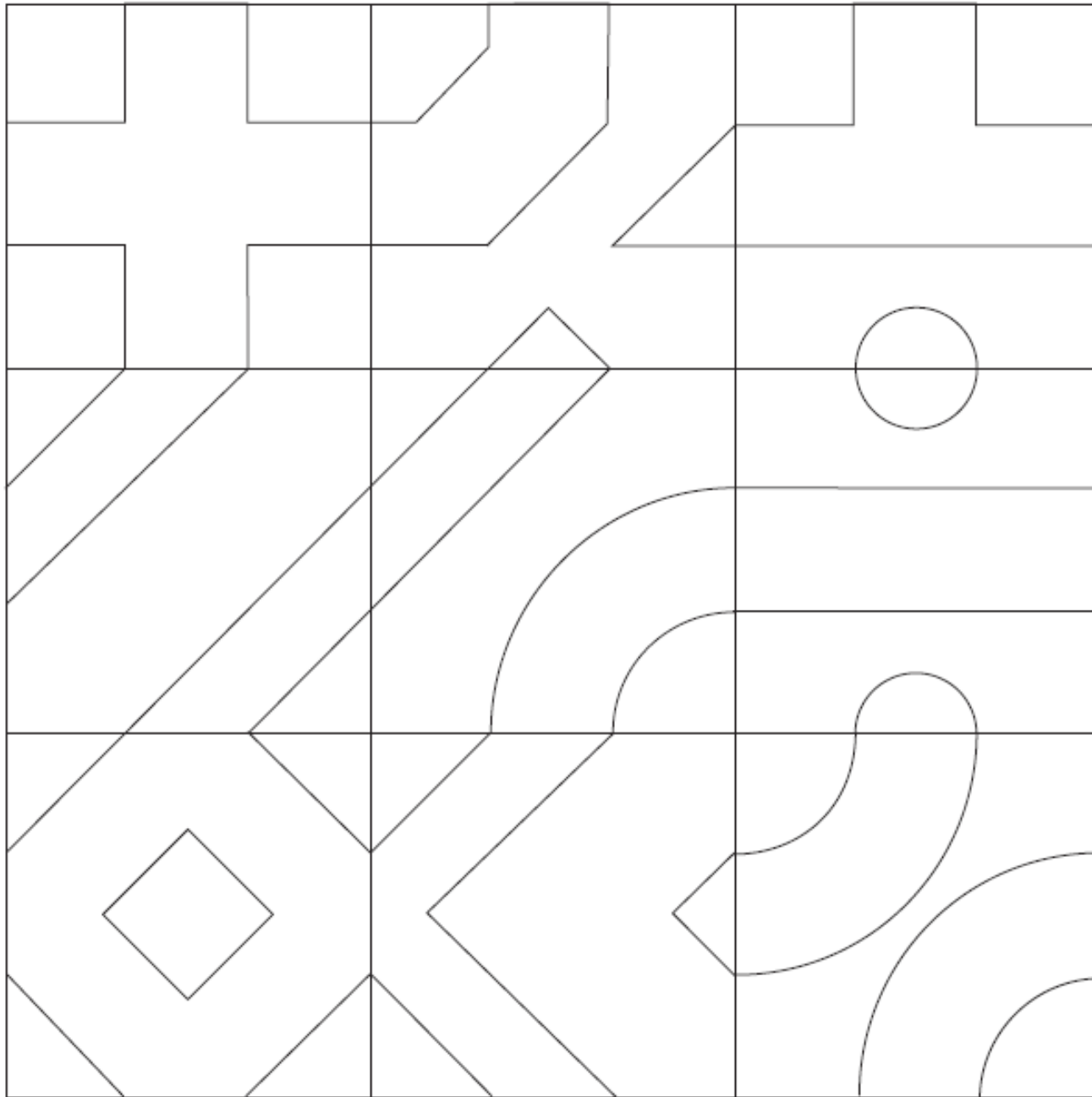
Investigating in this way helps you discover how simple geometry can be used to create complex designs.

It doesn't matter how you move or rotate the tiles – there will always be a never ending pattern!

For more fun activities visit [www.mathsontoast.org.uk](http://www.mathsontoast.org.uk)

Don't forget to share your creations and comments on Twitter, Facebook or Instagram tagging **@mathsontoast** using **#positiveaboutmaths**

# Infinity Tiles



## What to do:

1. Colour the template using two colours. Use this guide to help you decide where to put each colour.



2. Cut out the tiles.

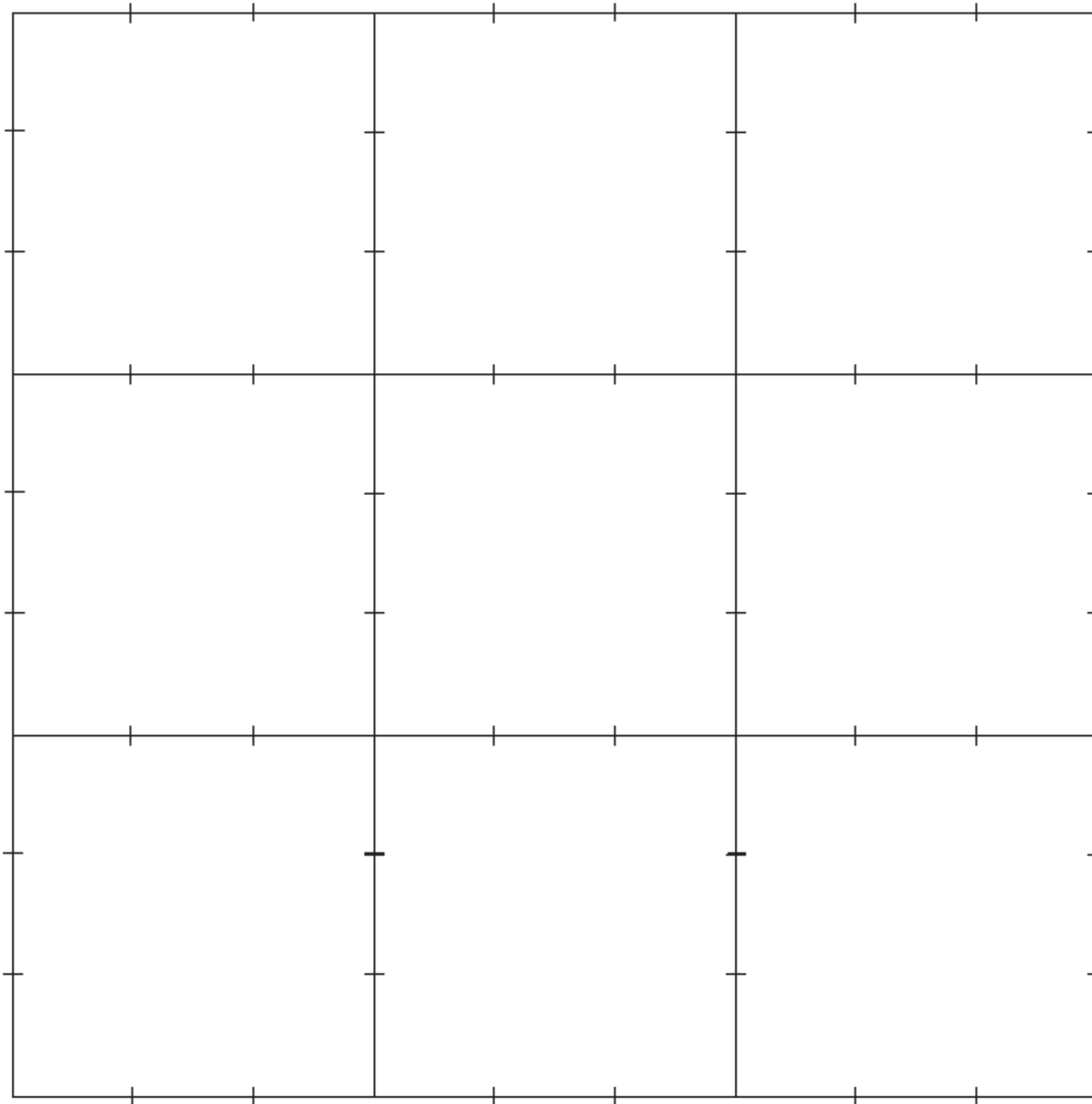
3. Rearrange the tiles to make different patterns.

www.babbledabbledo.com

For more fun activities visit [www.mathsontost.org.uk](http://www.mathsontost.org.uk)

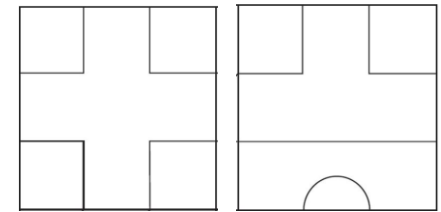
Don't forget to share your creations and comments on Twitter, Facebook or Instagram tagging **@mathsontost** using #positiveaboutmaths

# Infinity Tiles



## What to do:

1. Draw your own designs on the tiles by drawing a line from one marked edge to another. Make sure you connect the marks only once! Use the examples below to help you!



2. Colour your design using two colours. Use this guide to help you decide where to put each colour.



3. Cut out the tiles.

4. Rearrange the tiles to make different patterns.

For more fun activities visit [www.mathsontost.org.uk](http://www.mathsontost.org.uk)

Don't forget to share your creations and comments on Twitter, Facebook or Instagram tagging **@mathsontost** using #positiveaboutmaths