



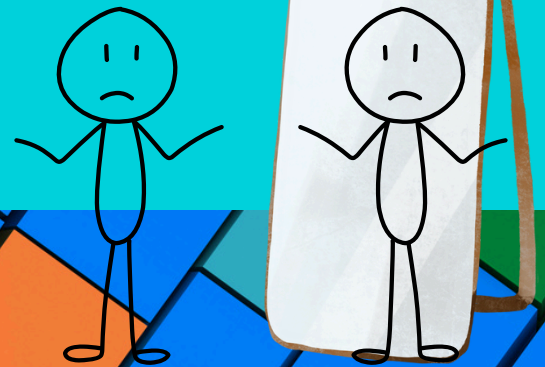
Joyfulmathswithruth



Maths In Motion

ART

Symmetry



To join in please bring:

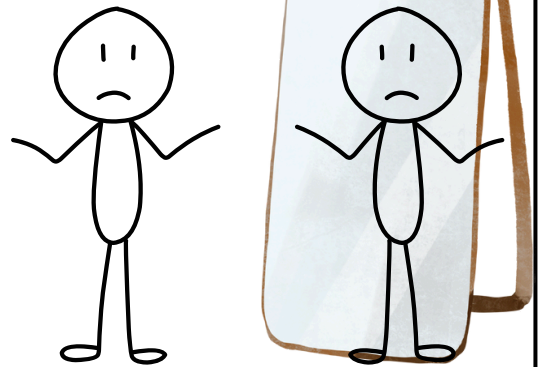


4 sheets of A4 paper
Some thick paint
Optional mirror

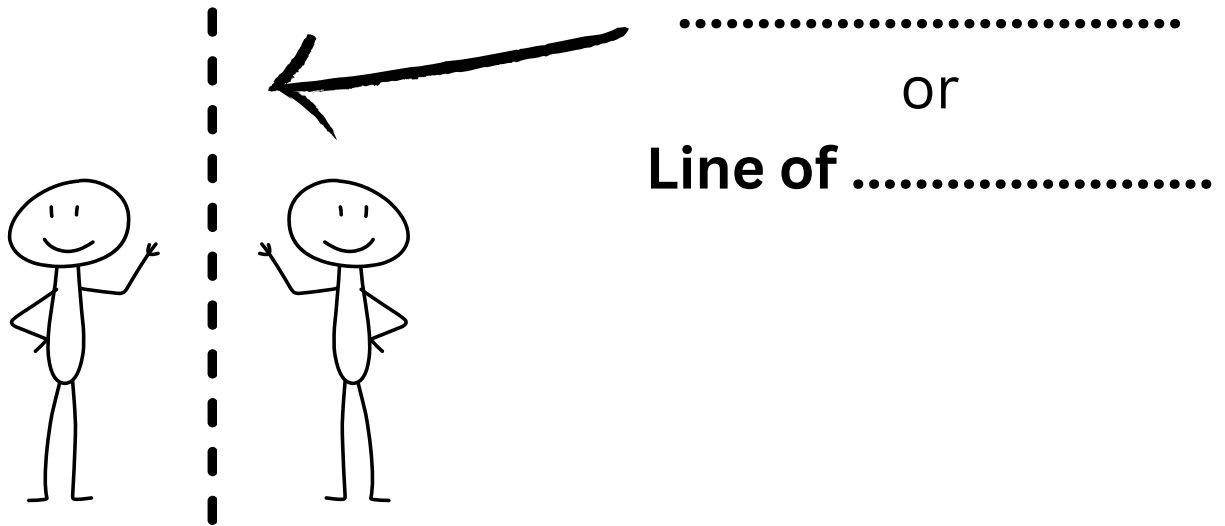
Something to think about:

Imagine standing in front of a mirror.
You take a step back - what does your image do?
You wave your left hand - what does your image do?
do?

Space to answer, note
your thoughts, or just
have a doodle!



Is it a mirror line? Line of reflection? Symmetry?



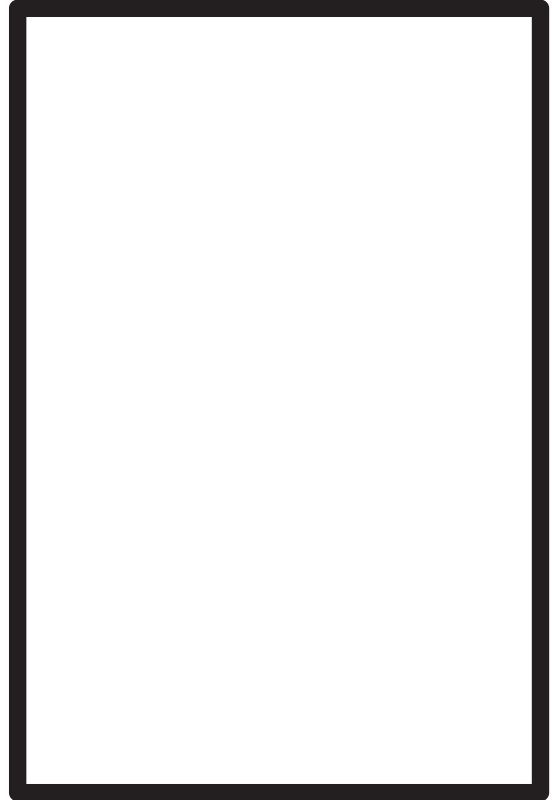
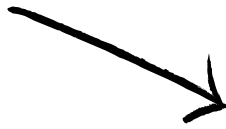
What do you notice?



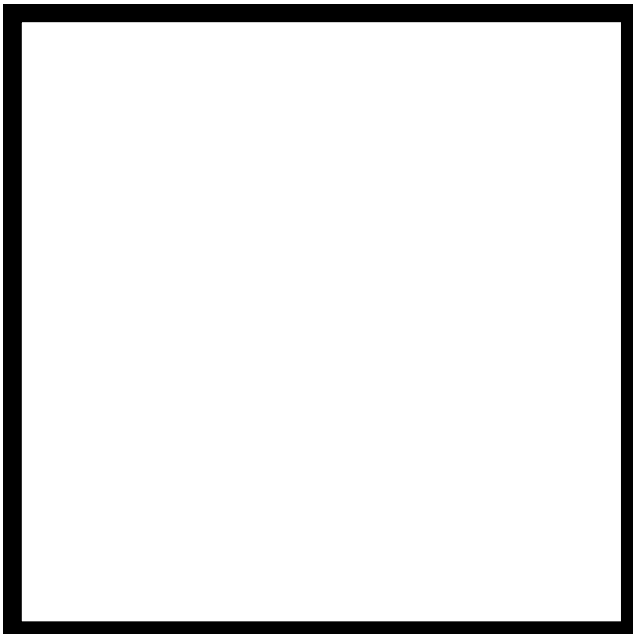


How many lines of symmetry?

A4 paper



Square of paper



Rangoli art



Space for your thoughts
or a picture



What do you notice?



Regular shapes

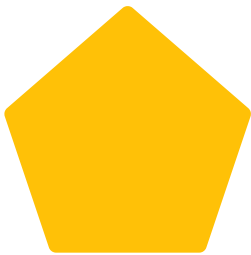
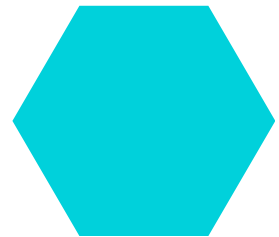


Lines of symmetry.....

Order of rotational symmetry.....

Lines of symmetry.....

Order of rotational symmetry.....

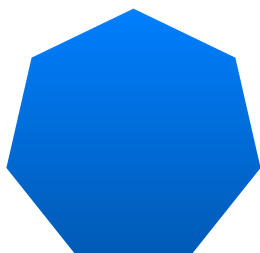
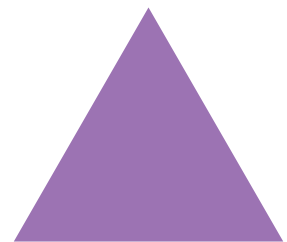


Lines of symmetry.....

Order of rotational symmetry.....

Lines of symmetry.....

Order of rotational symmetry.....



Lines of symmetry.....

Order of rotational symmetry.....

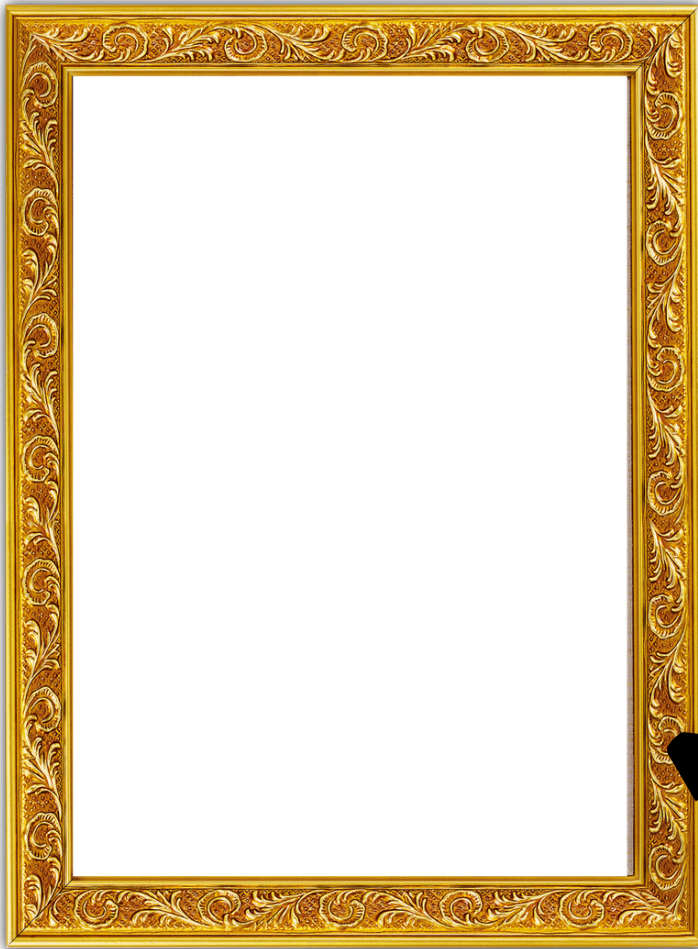
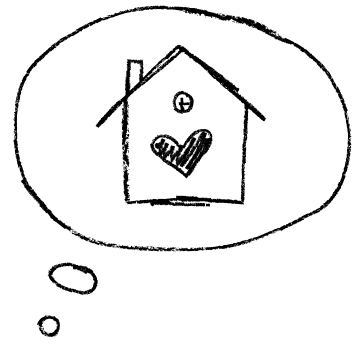
Quiz

False	4	Long lasting	Threshold
True	5	Ever lasting	True
Morning	True	3	2
Short lasting	Blue	Bedroom	False

Space for your thoughts
or a doodle



Explore at home:



Artist to explore:

Damien hirst
And his work -
Kaleidoscope

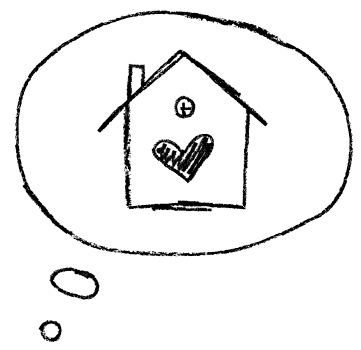
A picture of him or
some of his work that
shows symmetry



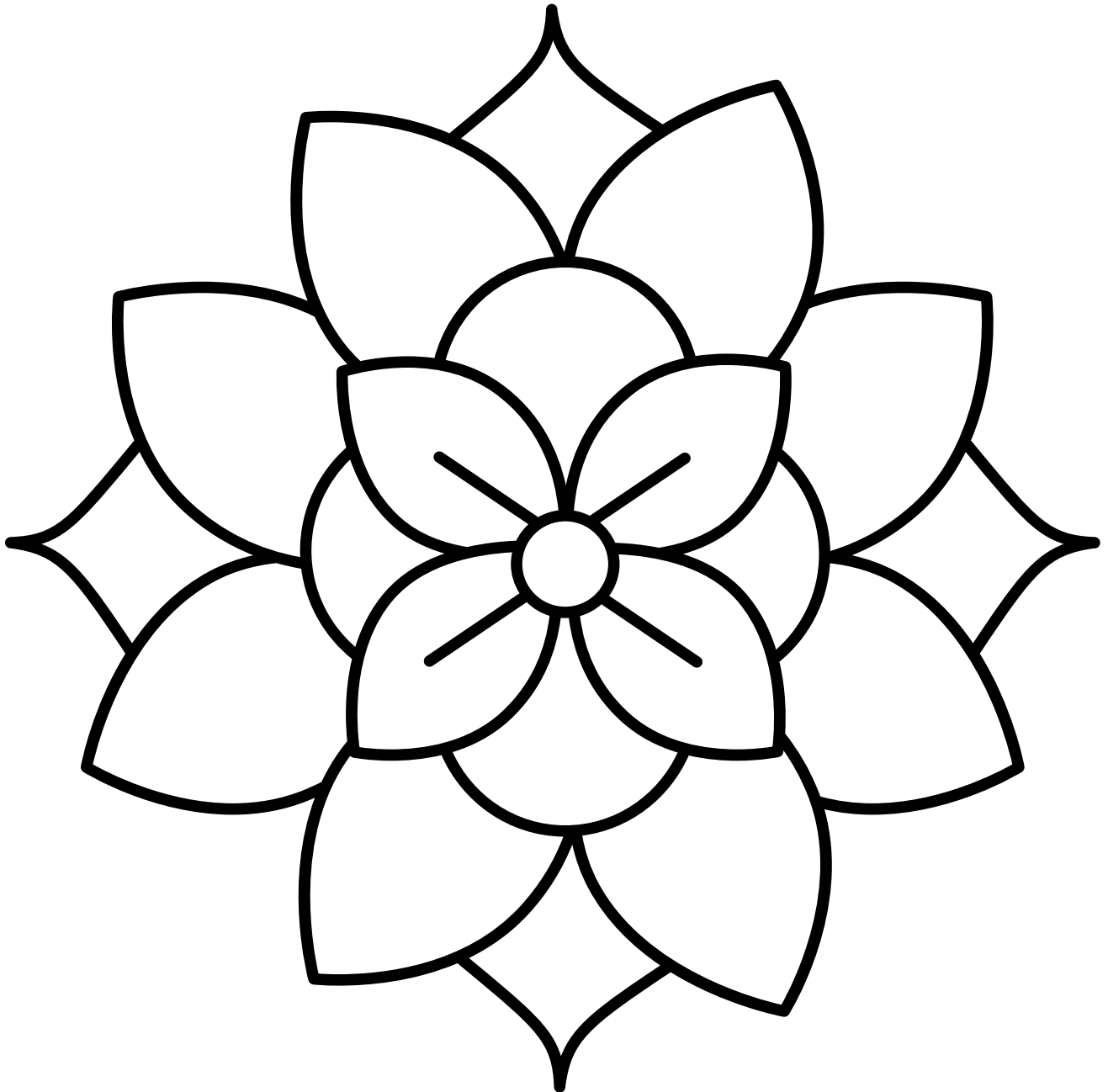
Space for your notes, drawings or a collage



Explore at home:

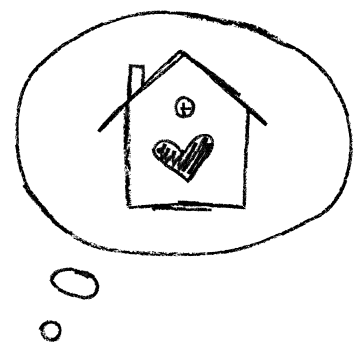


Colour your own Rangoli patterns

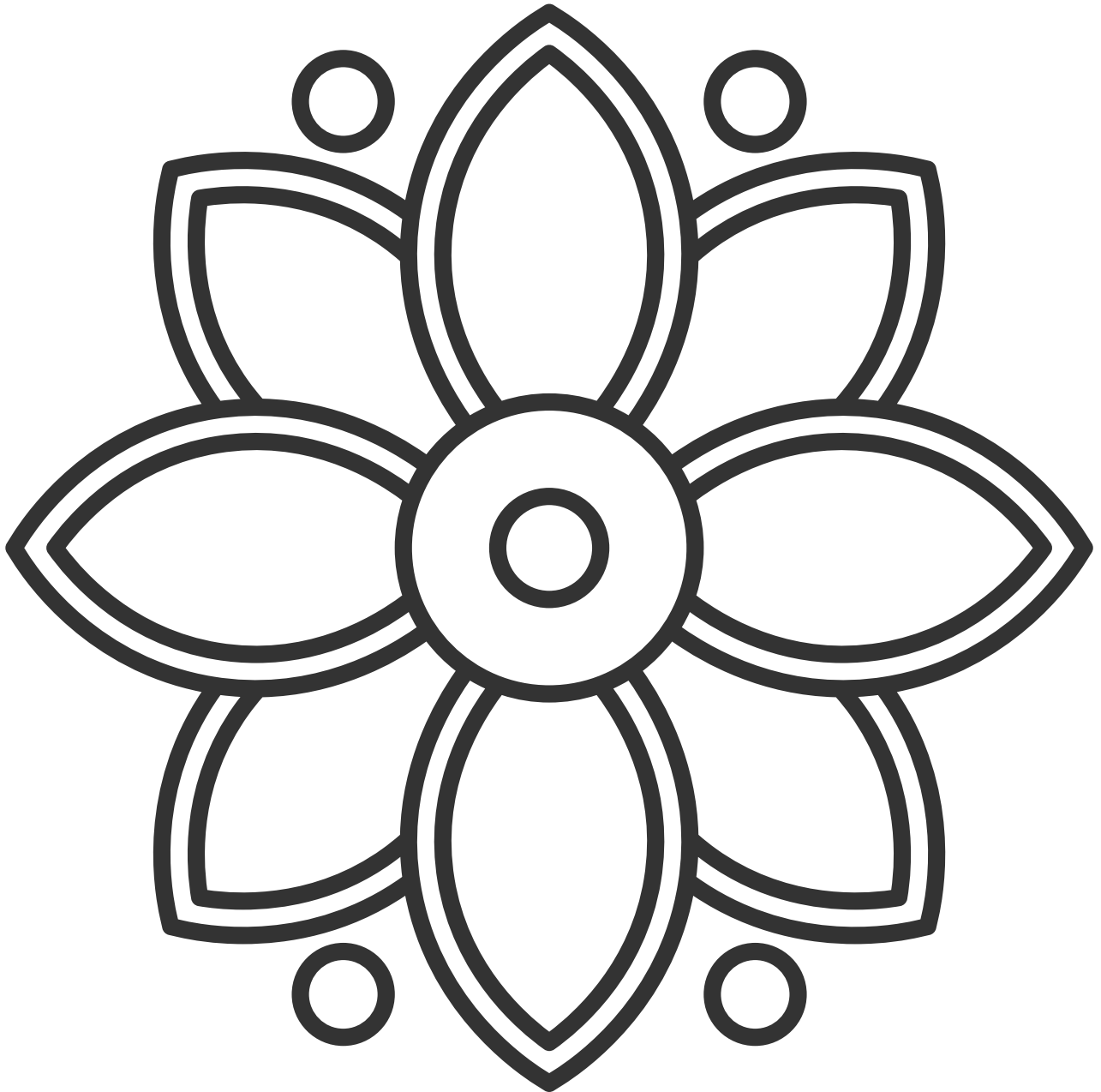


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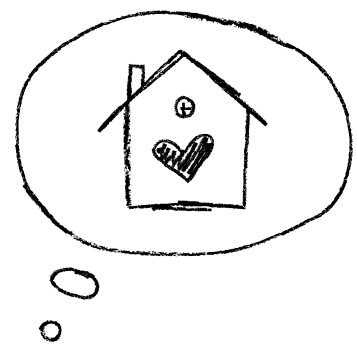
Explore at home:



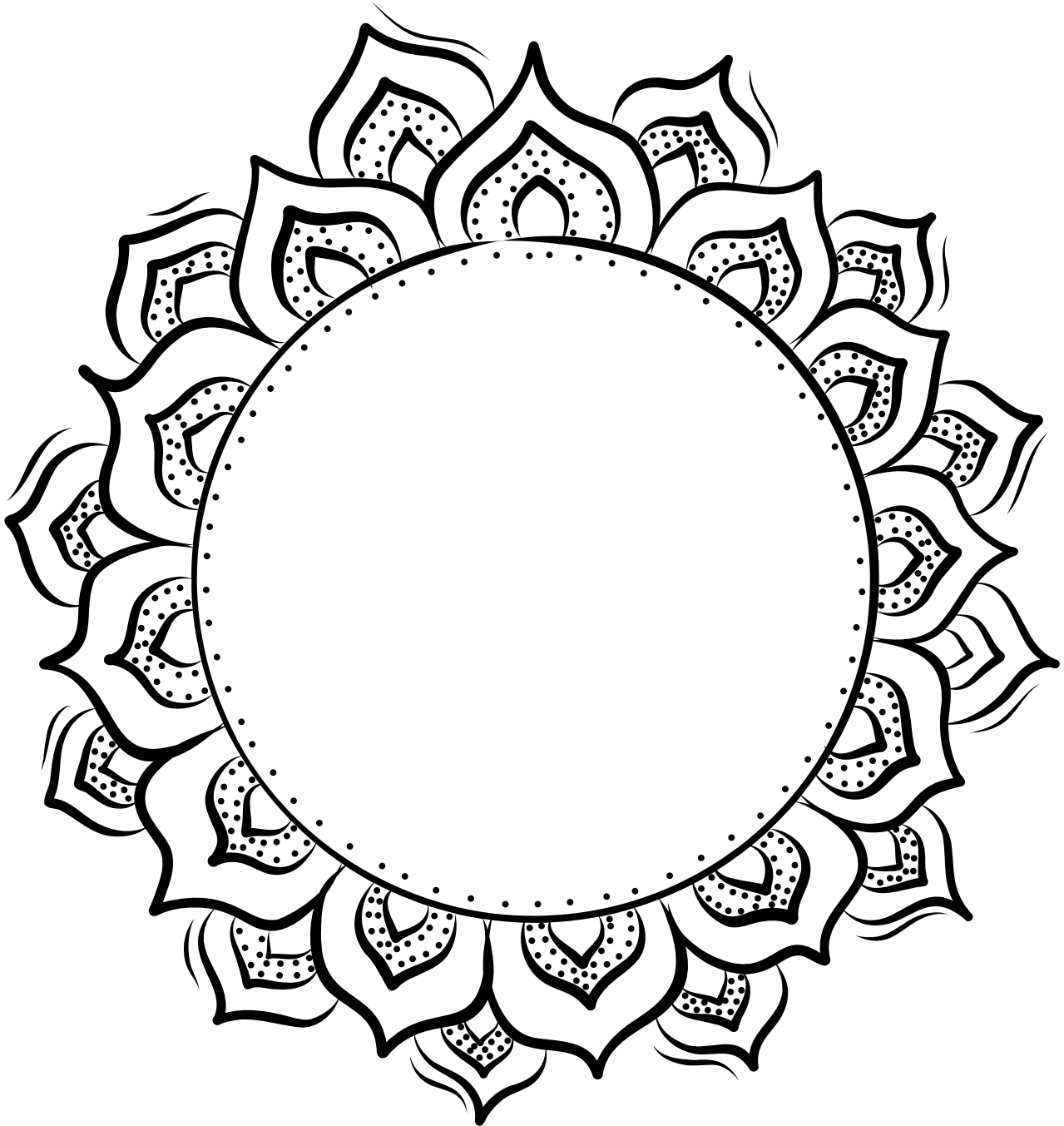
Colour your own Rangoli patterns



Explore at home:

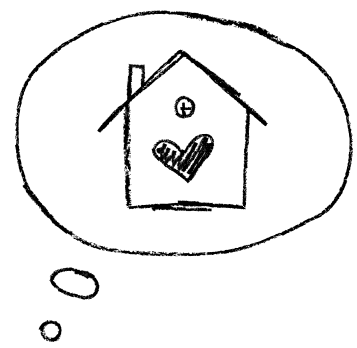


Colour your own Rangoli patterns

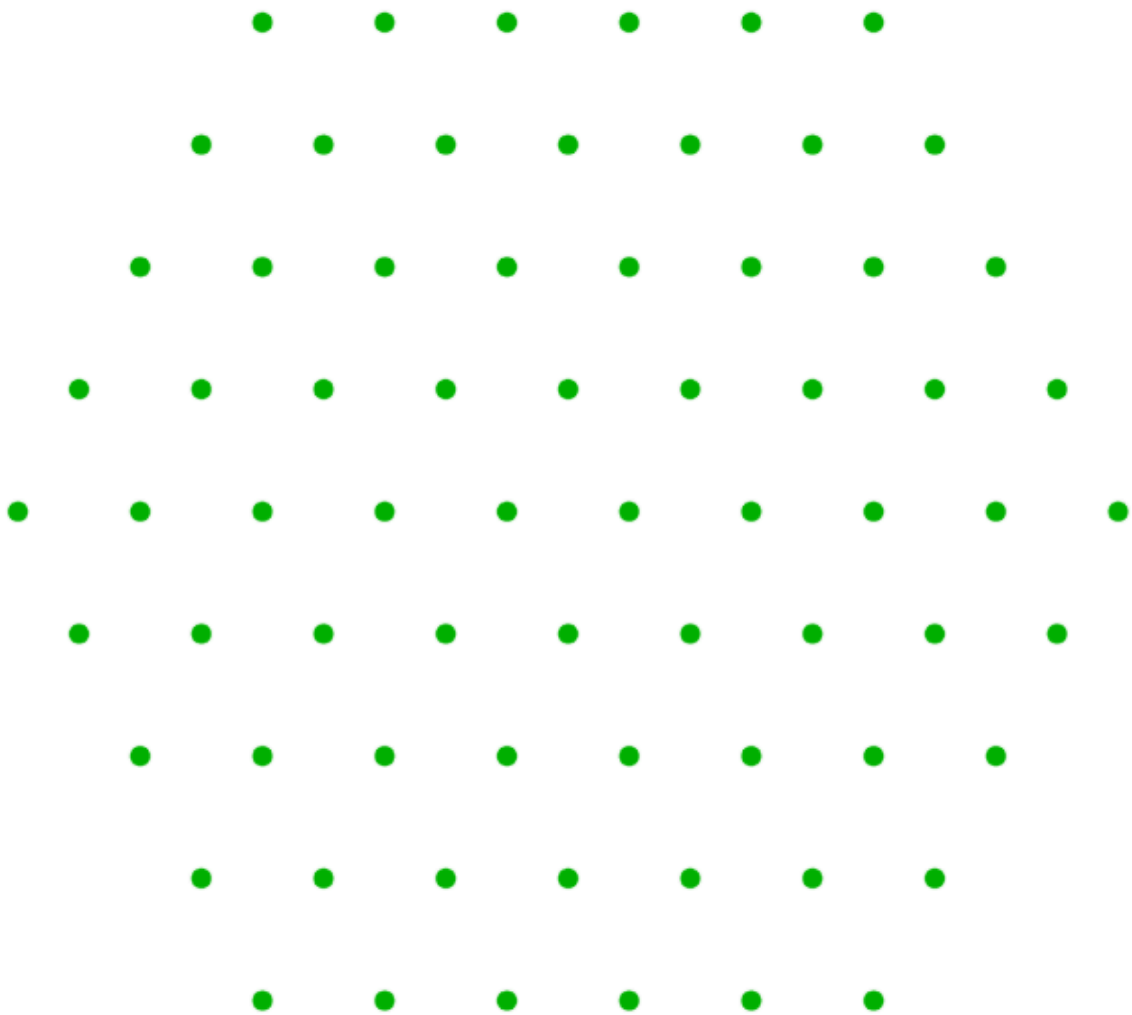


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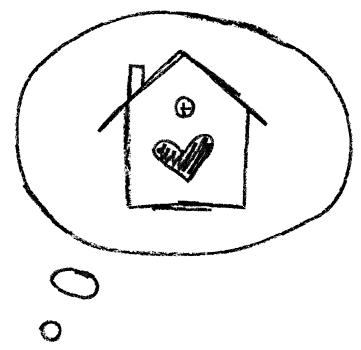
Explore at home:



Draw your own Rangoli pattern using this video guide:
<https://www.youtube.com/watch?v=VQ3Y1ChRqhw>



Explore at home:



You might also enjoy playing with this online activity, to explore more symmetry:

<https://www.mathsisfun.com/geometry/symmetry-artist.html>