

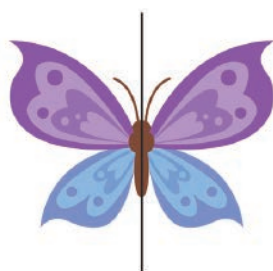
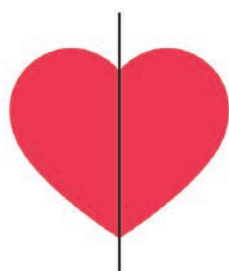


# *creating* RADIAL PATTERNS

This guide will show you how to create a radial pattern. The way we are going to create that pattern is by using a type of symmetrical arrangement called radial symmetry.

When something is symmetrical what you see on one side is exactly the same as what appears on the other, opposite side.

Radial symmetry is symmetry around a central point instead of between sides.



Let's look at some examples of radial designs in art:



A beautiful example of this kind of radial symmetry would be a Rose Window. This piece is made from stained glass and is often found in the interior of cathedrals.

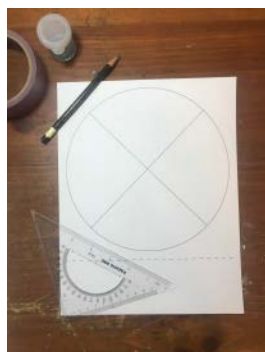


These Tibetan monks are creating a beautiful mandala made from sand. It is another example where radial symmetry is used.



# creating RADIAL PATTERNS

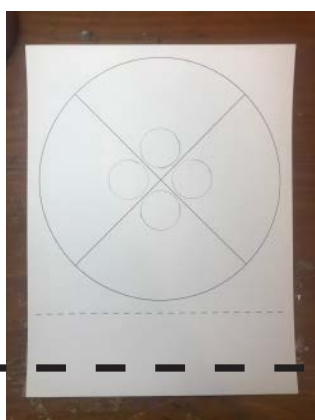
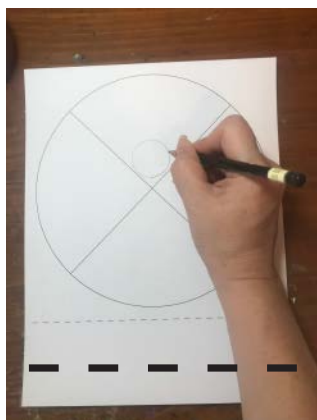
*So let's get started on creating our own radial patterns...*



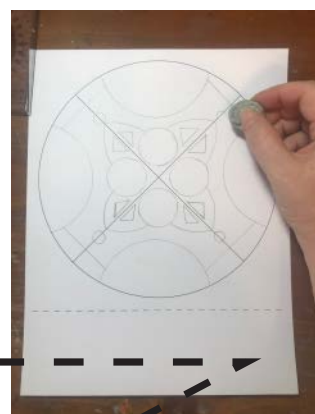
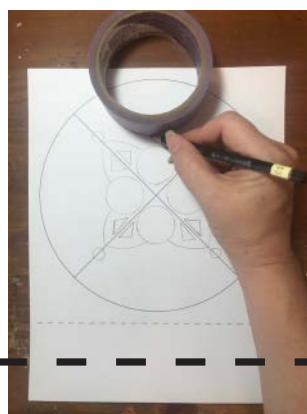
You will need:

- a pencil
  - eraser
  - ruler (optional)
  - crayons
  - colored pencils, markers or watercolor paints
  - template
- (included in kit or make your own - instructions here)

**1.** Using a pencil you want to start by putting a shape in one of the pie wedges. Then repeat that shape in each of the other pie wedges around the circle. So that each pie shape has exactly the same shapes in it.



**2.** Now keep adding shapes or lines to your pie wedges, just make sure whatever you put in one wedge you repeat in the others, in the same place. Keep going until you have shapes and lines all through your wedges.



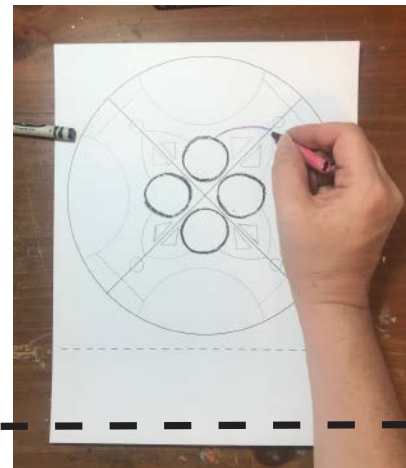
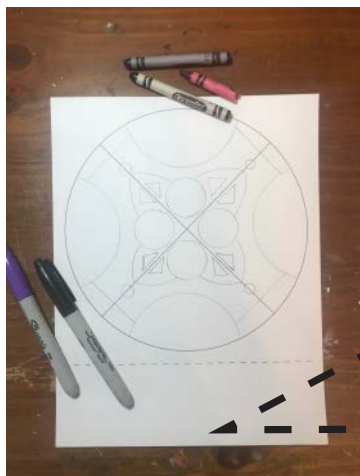
If you make a mistake just erase it and try again

**3.** Once you filled up your wedges, and like the way it looks ...then you have a completed radial pattern!

**Good Job!**

**4.** Now we can get started coloring our design.

So take a crayon and trace over your shapes, this will give them a bold outline



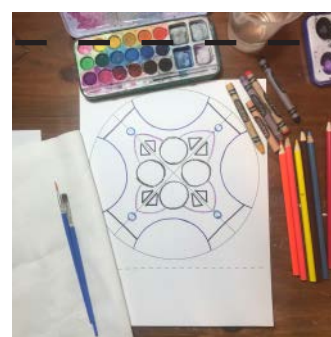
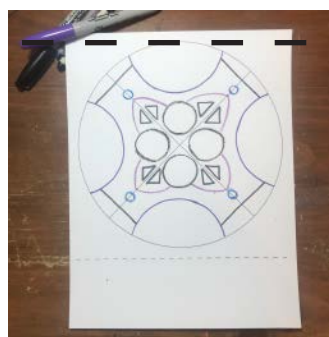




# *creating* RADIAL PATTERNS

**5.** Once you are finished tracing, you can use markers, more crayons, colored pencils (whatever you have at home) or even watercolor paints to add color to your pattern.

Just remember to repeat your colors radially so you keep them in the same spot from wedge to wedge, just like you did your design.



## CONGRATULATIONS!

*You have just made your own beautiful radial design*



# *creating* RADIAL PATTERNS

## HOW TO MAKE THE CIRCLE TEMPLATE:

If we look at the template you will see that we have a large circle on a square piece of paper. And that circle is divided with 2 diagonal lines, so it creates 4 pie shapes that are all the same.

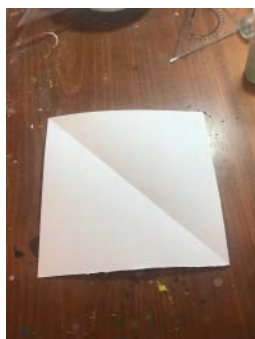
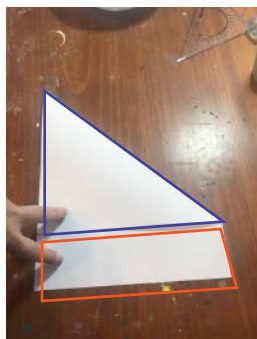
If you don't have a template all we need to do is replicate this...

- 1.** Fold one corner over until it reaches the opposite side of the paper. Give it a crease.

Then you will see a triangle on top and a rectangle of paper on the bottom. Cut the rectangular section off. Once it is cut off and you open the paper you will have a square.

- 2.** Now you will want to take the other corner of the paper match it to the opposite corner and this will again create a triangle, go ahead and give it a crease.

When you unfold it you will have a square page with an X going through it. Use your ruler to trace the crease lines.







# *creating* **RADIAL PATTERNS**

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**3.** Now you just need to create a circle. You can do this with a compass if you have one or use a plate or other circular object.

- If you have a compass, put the point in the middle where the 2 lines meet and spin it around to create a circle .

- If you are going to trace a circle then you want to center it on the page over that middle point and carefully trace around the edge.



## **CONGRATULATIONS!**

***You have your template and you are  
ready to draw.... (click here)***