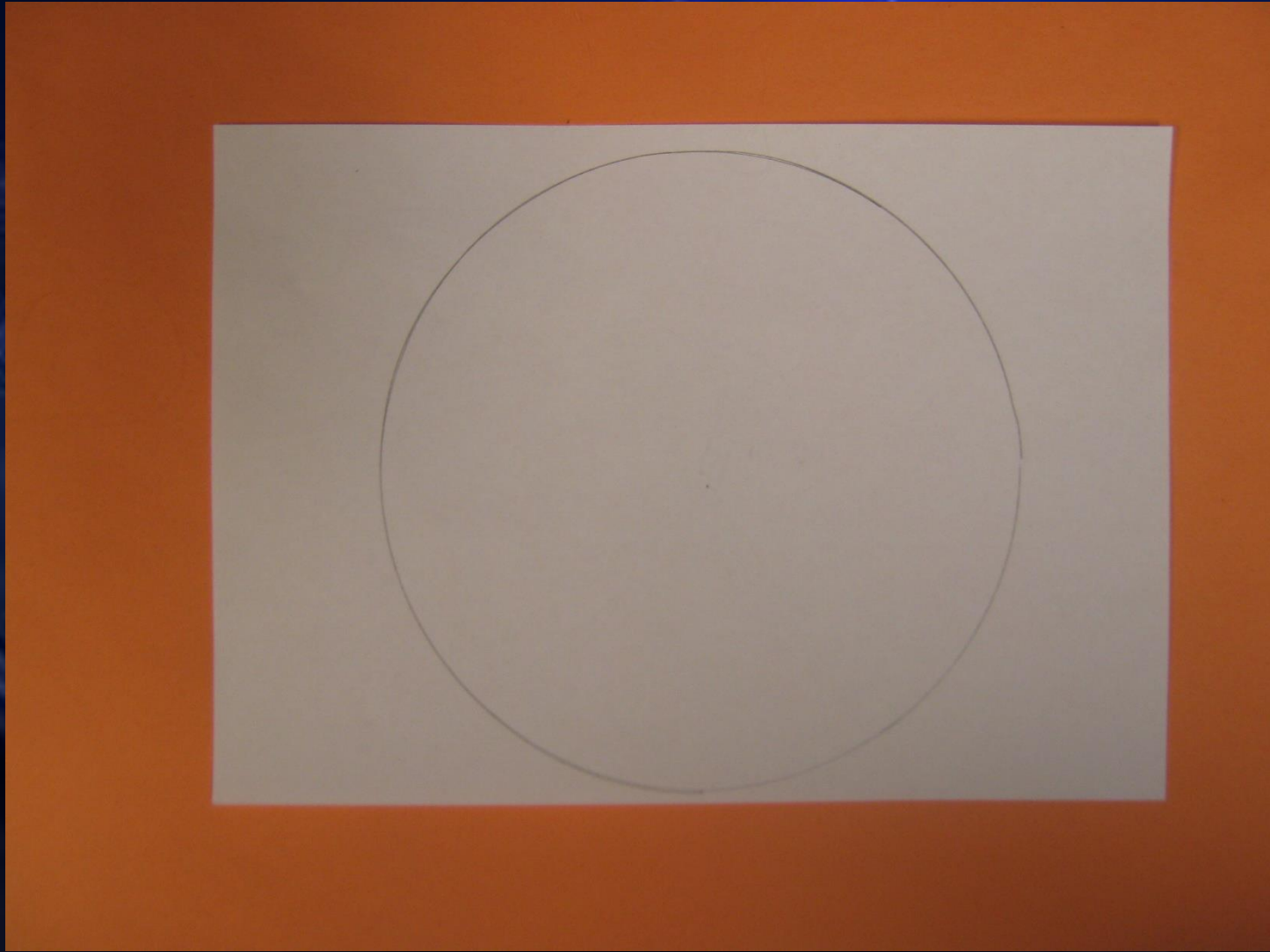


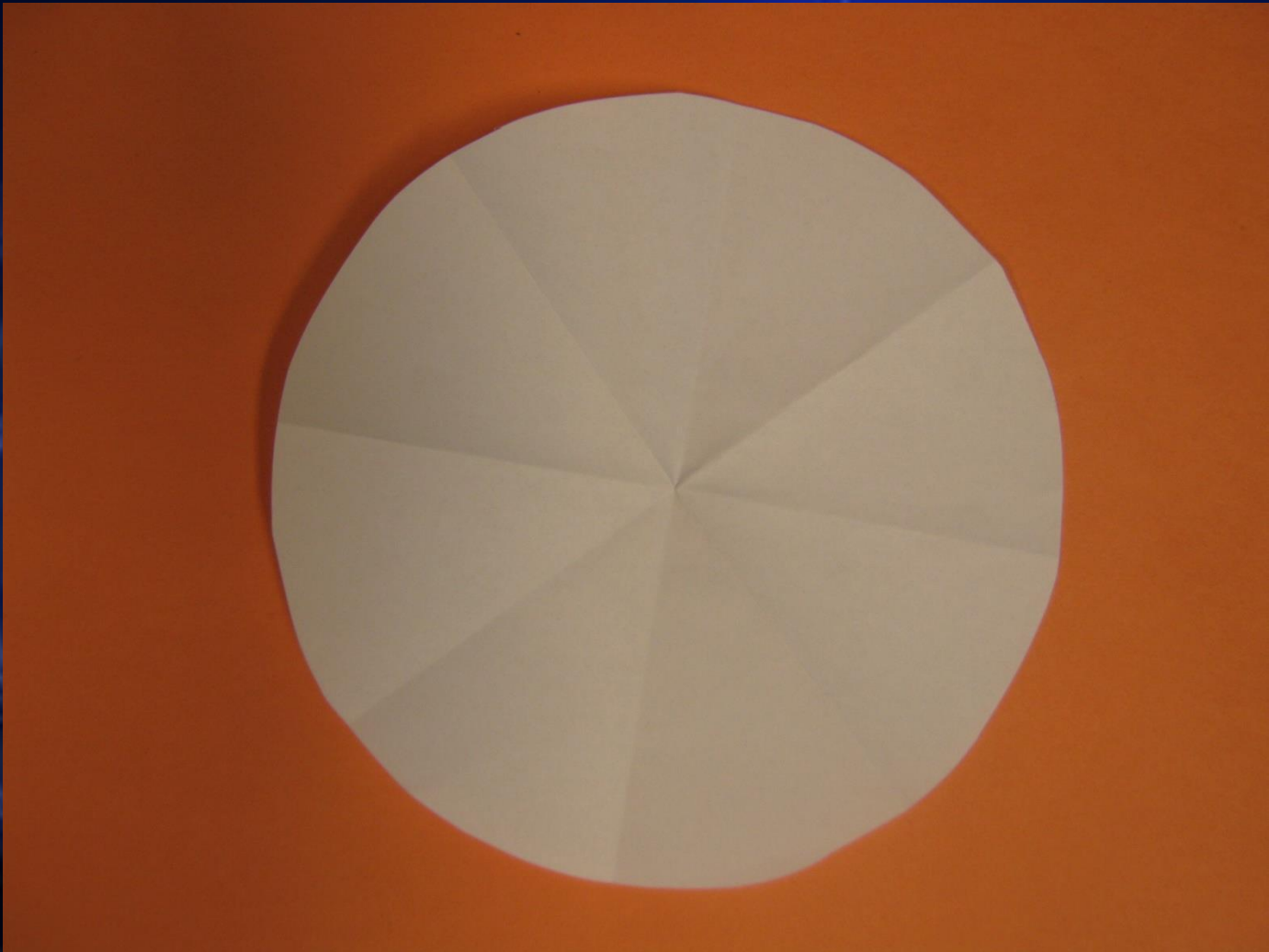


I can create designs with rotational symmetry

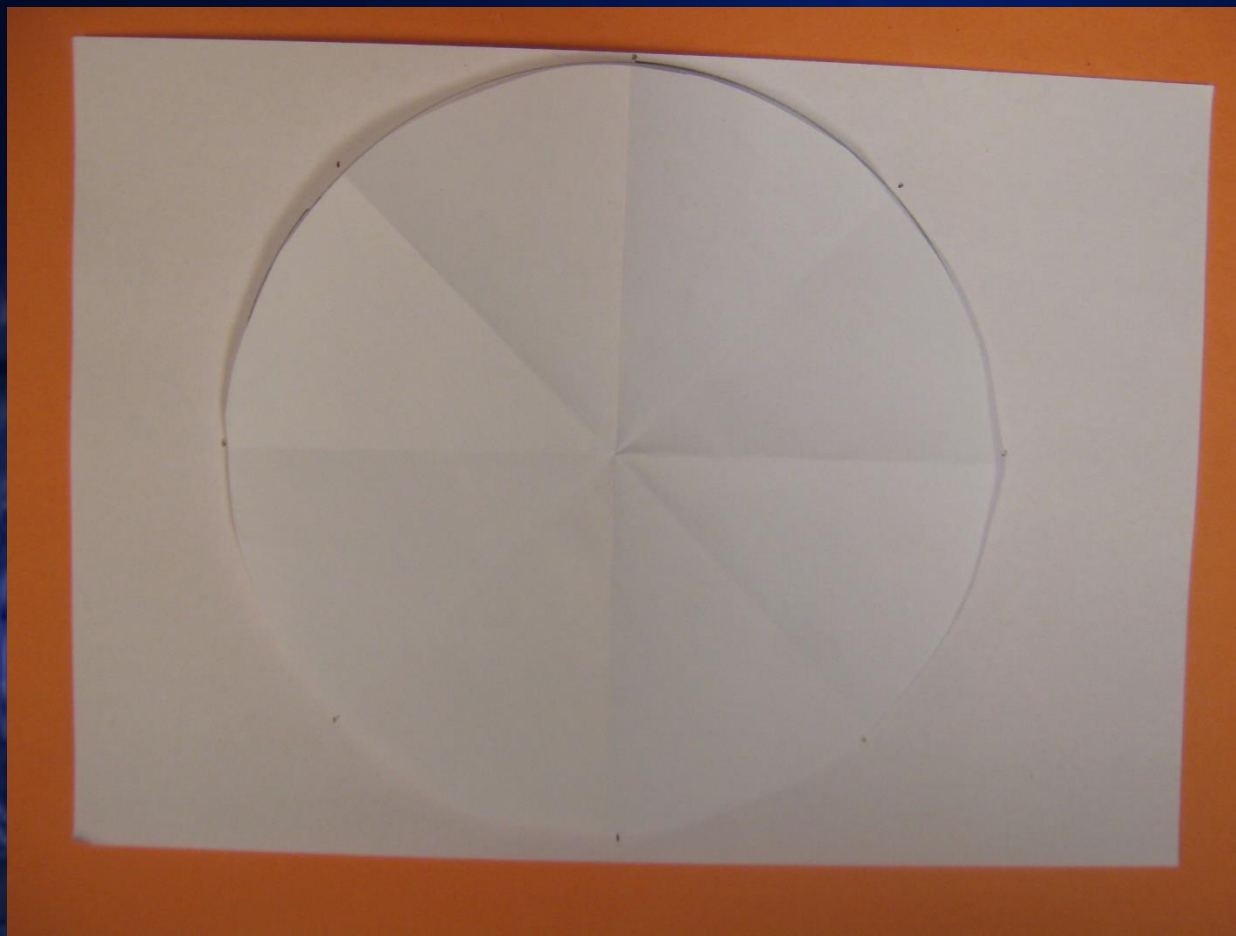
Magical maths lesson!



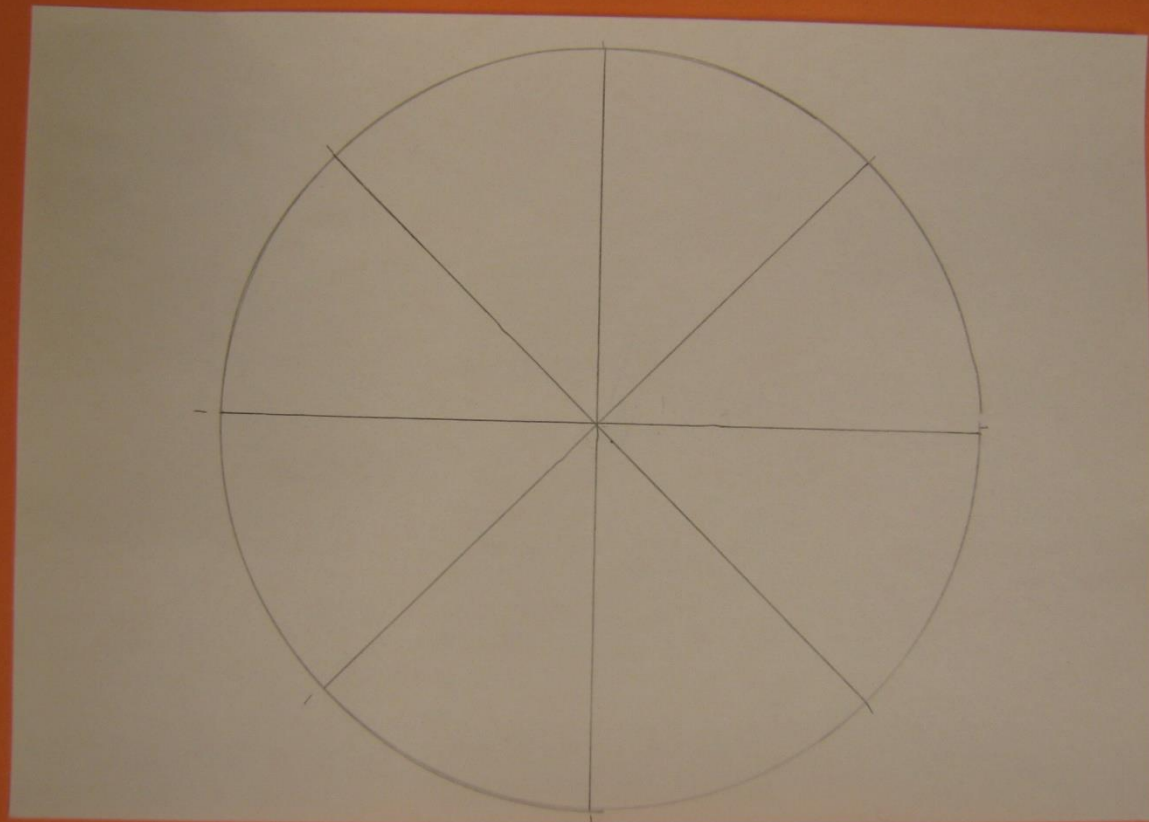
Draw a circle and cut it out.



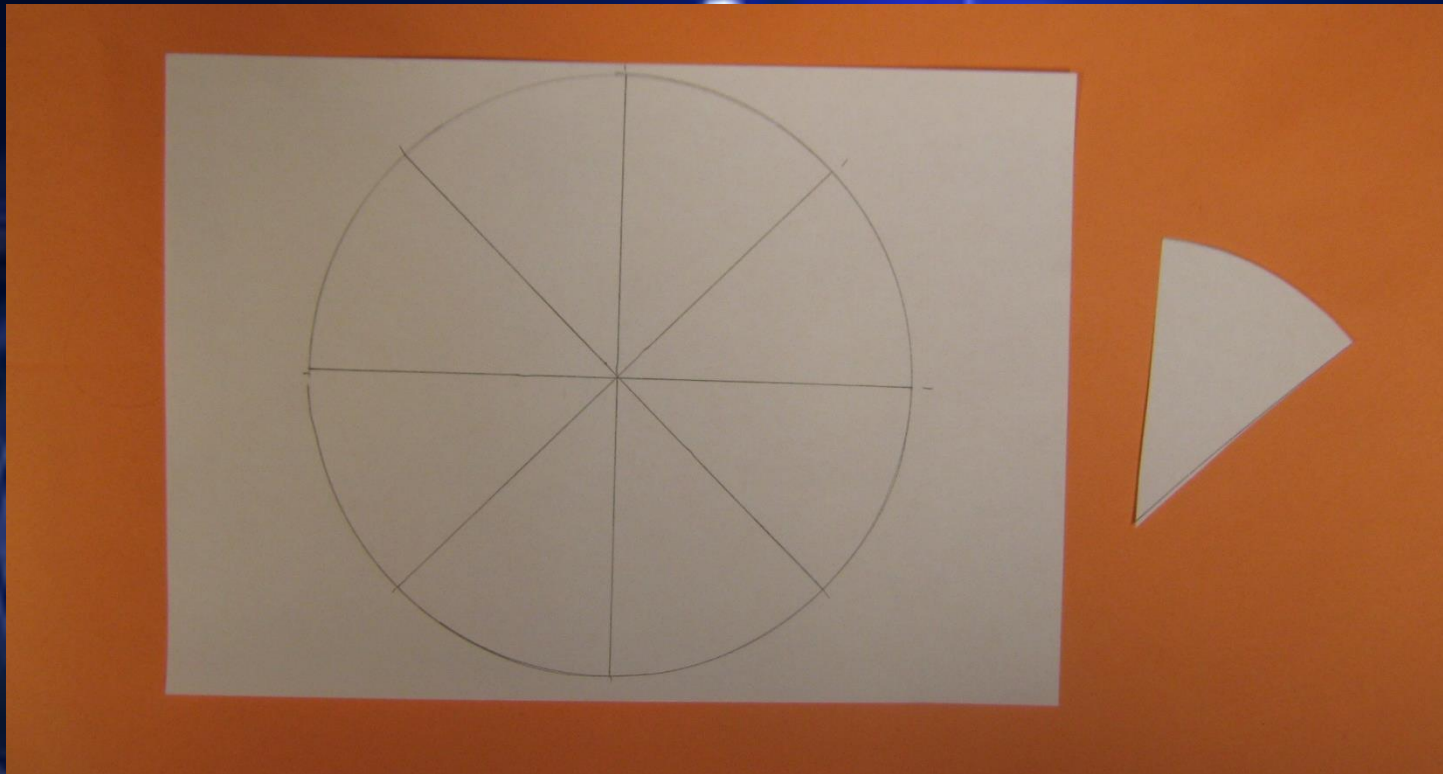
Fold it in half and half again to create 8 segments.



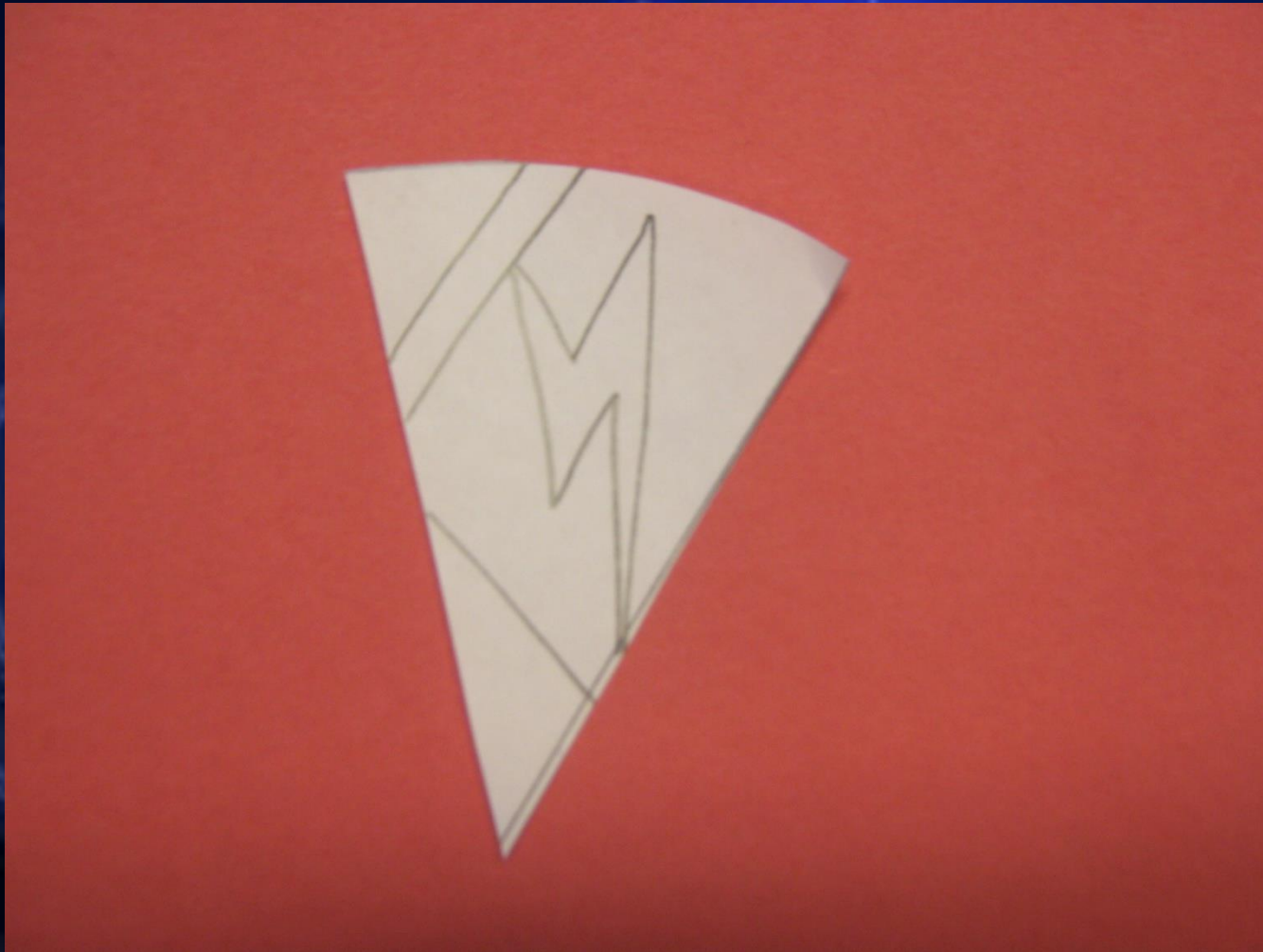
Use it as a guide
to mark the 8 segments on
an identical circle



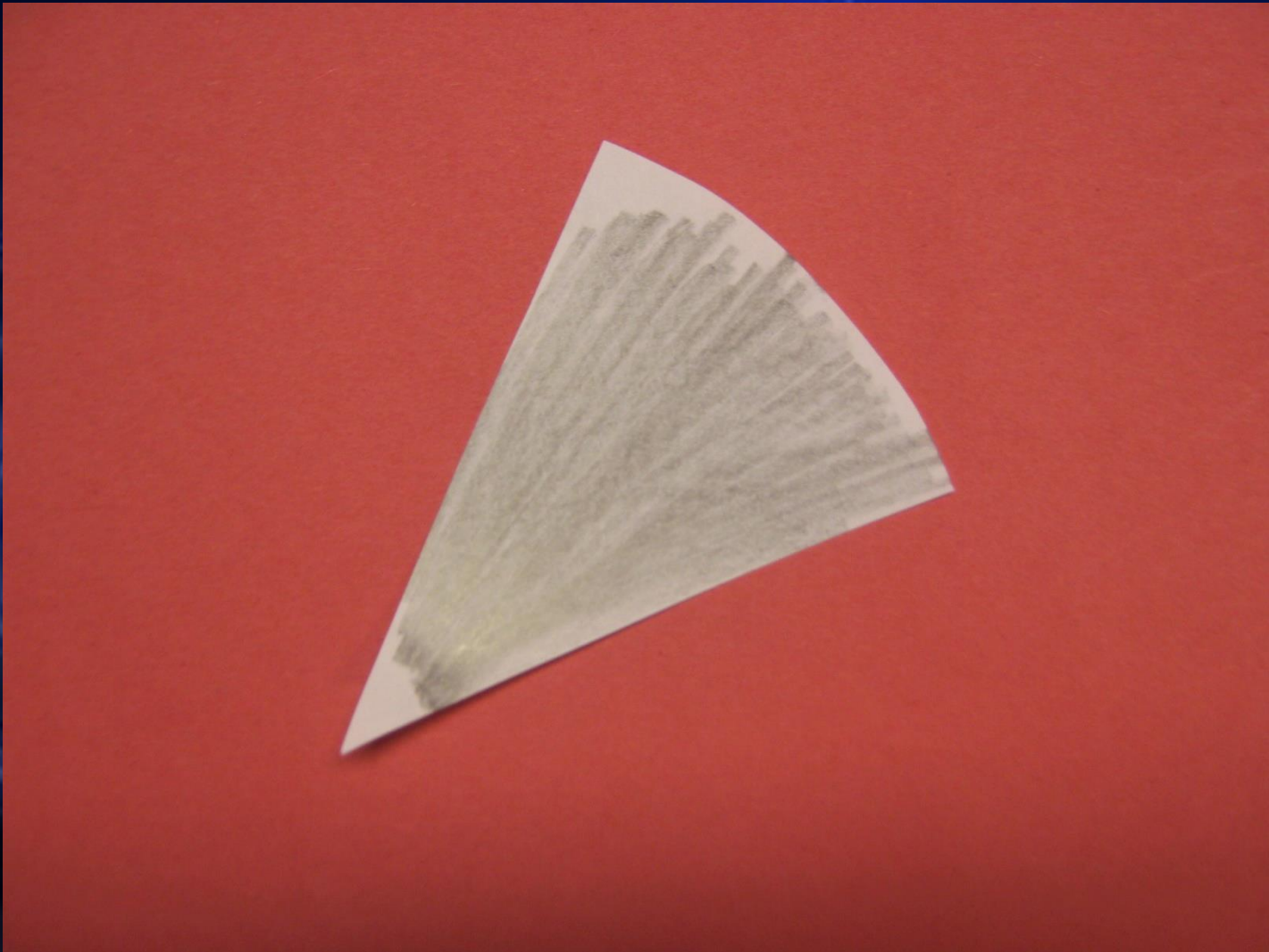
Use a ruler to draw the eight segments



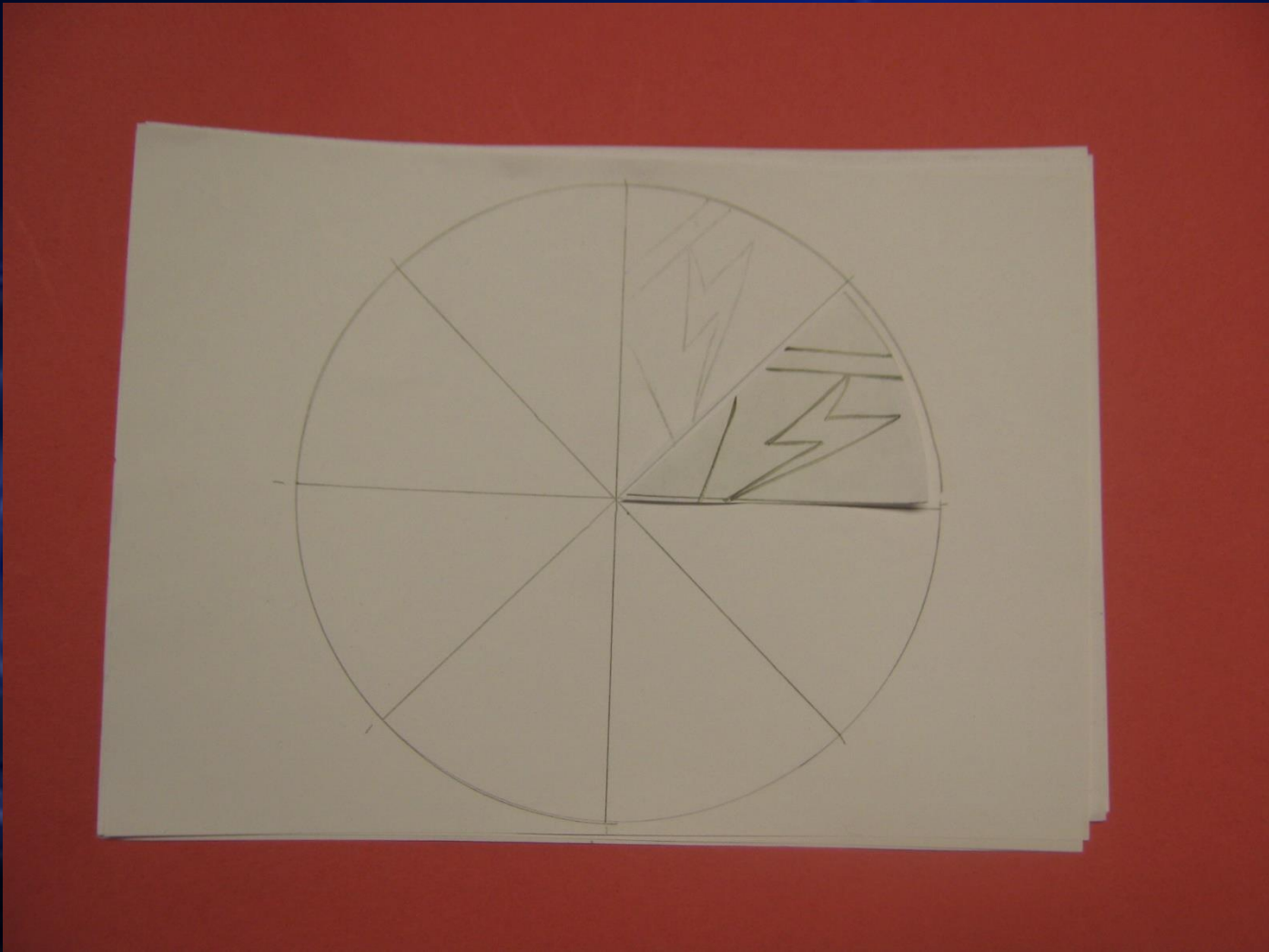
Take a segment
cut from one of the original folded
circles.



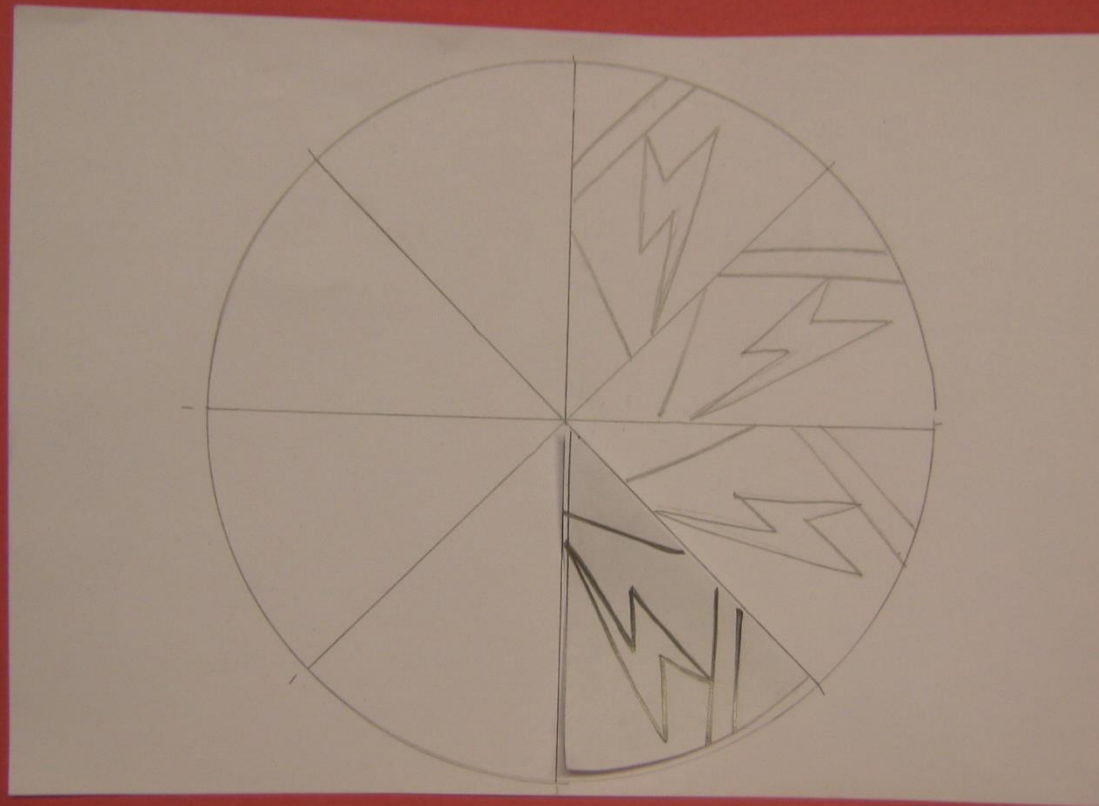
Draw a pattern on the
segment...anything goes!



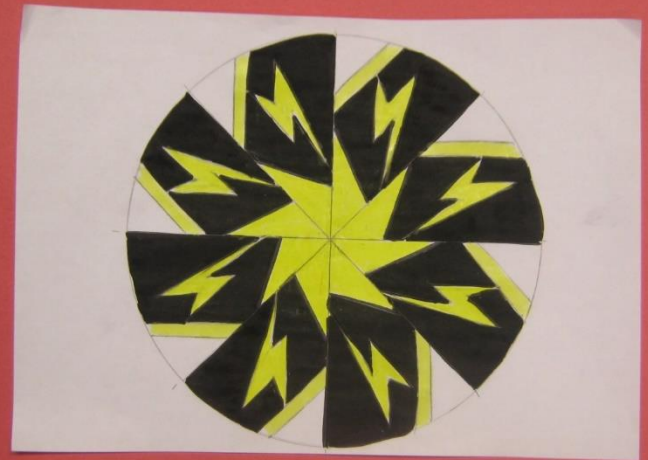
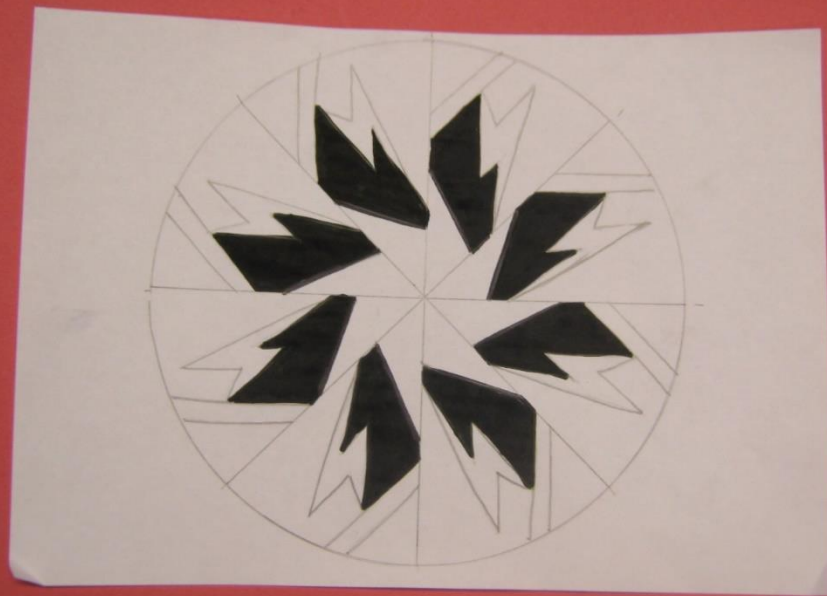
Scribble pencil on the
back of the segment.



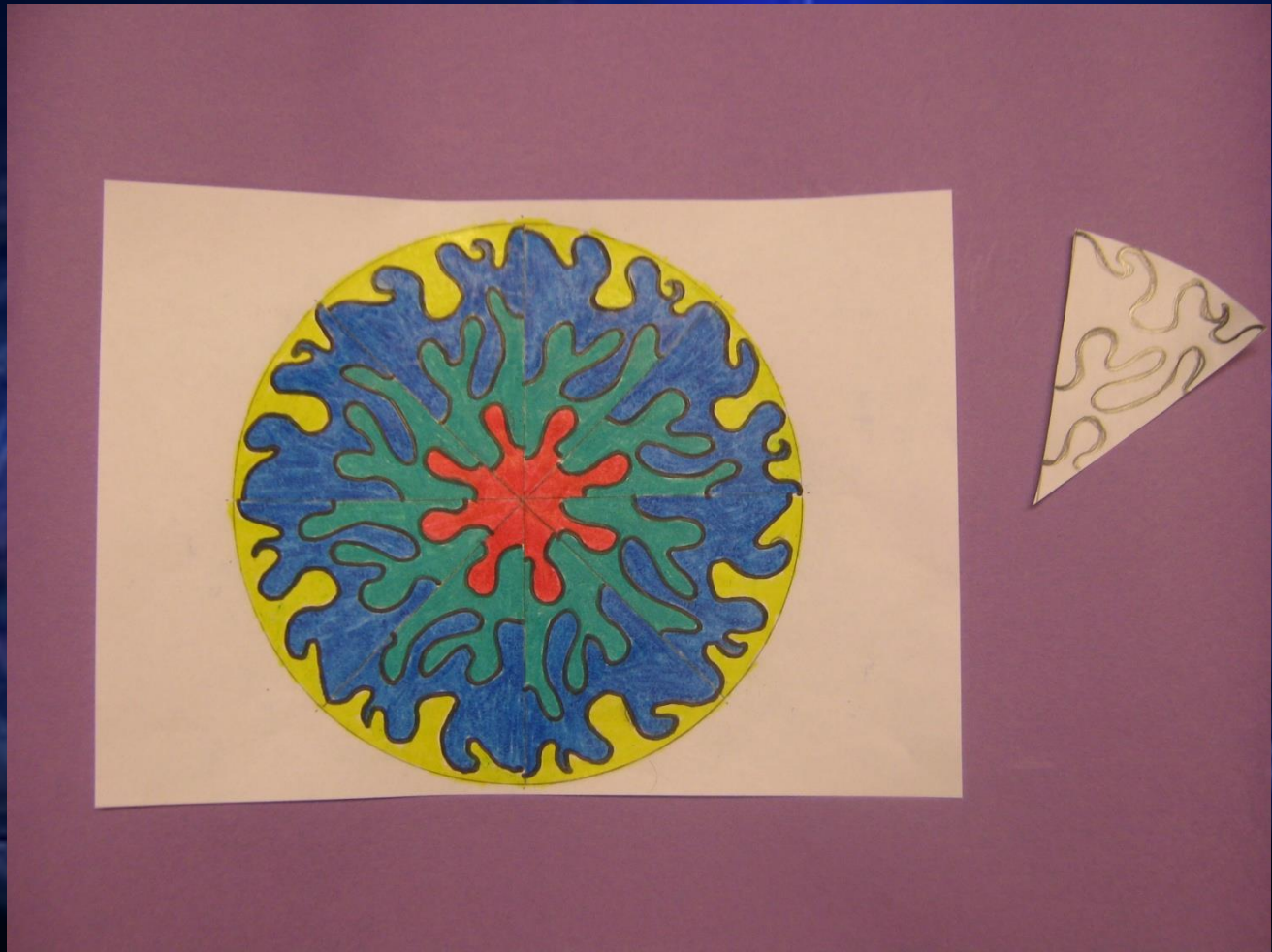
Lay the pattern in one segment ... exact
Draw over the pattern... It will print!



Repeat this on each segment.



Start to colour the pattern.
Repeating each colour in
every segment



This pattern has a rotational symmetry of.. 8

Extension activity



Further investigations...



By colouring alternate segments in identical colours..



This pattern has a rotational symmetry of..

4



Try colouring alternate segments ...



This pattern has a rotational symmetry of..

2

Well done!
You have created designs with
rotational symmetry



Magical maths lesson!