

Overlapping Circles Art

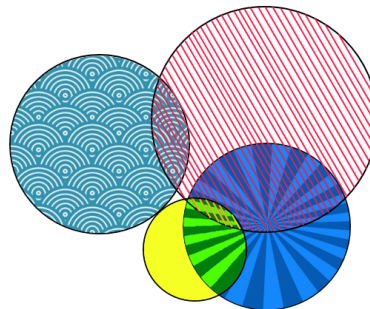
Using your compass, ruler, pencil crayons, and a piece of paper, create a piece of art that meets these criteria:

1. There are **at least** 4 circles.
2. Every circle is a **different size**.
3. The area of each circle contains a **unique** pattern (2 circles can't have the same pattern).
4. Every circle overlaps with **at least** 1 other circle (a circle may overlap with multiple circles).
5. Sections of overlap contain the patterns of **both** circles (ie. if a circle filled with lines overlaps with a circle filled with waves, the overlap will have both lines and waves).
6. On a **separate piece of paper**, make a chart and then for each circle you drew record:
 - a. The radius (the value that you measured when you set your compass)
 - b. The diameter (calculate this value)
 - c. The circumference (calculate this value)
 - d. The area (calculate this value)

Don't forget your units!

Submit your final work by emailing a picture of your art and the table to Mr. C.
christopher.marshall@ocdsb.ca

Example:



Circle	Radius	Diameter	Circumference	Area
Yellow	1cm	2cm	6.28cm	12.57cm ²
Blue starburst				
Red lines				
Turquoise scales				