**X. Perfect Polygons**

**Program Name: PerfectPolygons**

The profound Professor Poly is nicknamed Professor Polygon for his passion. Poly’s positively pleased with his particular practice of parenting pretty perfect polygons. A pretty perfect polygon is not only a polygon that has all congruent sides, but also one that has a different color for each side. He’s asked you to help him create these pretty perfect polygons! Create a Scratch program that asks for a number of sides and then, using that answer, creates a perfect polygon with that many sides. Each side should be a different, randomly generated color. Additionally, each side should have a length proportional to the number of sides it has (n).To do this, each side should be 360/n steps long. Every time the flag is clicked, Alonzo should return to his starting spot (which should be x:135 y:100) and the shape should be cleared .

**Input**

None

**Output**

A perfect polygon generator as indicated below

**Example Output to Screen**



