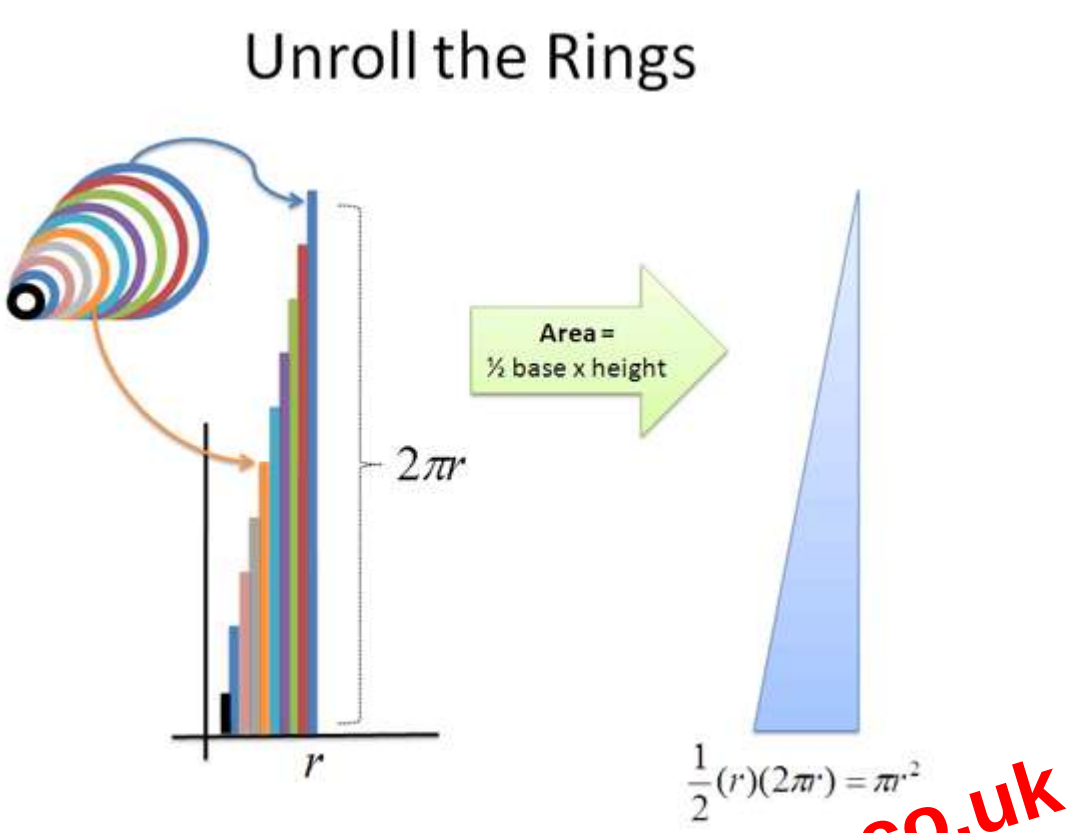

Now here's where things get funky. **Let's unroll those rings and line them up.** What happens?

- We get a bunch of lines, making a jagged triangle. But if we take thinner rings, that triangle becomes less jagged (more on this in future articles).
- One side has the smallest ring (0) and the other side has the largest ring (2 * pi * r)
- We have rings going from radius 0 to up to "r". For each possible radius (0 to r), we just place the unrolled ring at that location.
- The total area of the "ring triangle" = 1/2 base * height = 1/2 * r * (2 * pi * r) = pi * r^2, which is the formula for area!

Yowza! The combined area of the rings = the area of the triangle = area of circle!