In Fractal geometry, “Fix point” is defined as:

*Let f: X🡪X be a transformation on a metric space. A point such that is called the fixed point of the transformation*

And “contraction mapping” is defined as:

*Definition 6.1: A transformation f: X 🡪 X on a metric space (X, d) is called contractive or “contraction mapping” if there is a constant 0<s<1 such that*

*Any such number s is called a scale factor for f*

*{Note: x & y are two members of X and d (x , y) represents the distance between x & y}*

In other words, in every iteration, transformation *f* brings *all* points closer to each other (and to the *fractal attractor*), by a factor of *s*, preventing them from going to infinity. All points eventually converge to & *dance around* the “Fixed Point (F)”.

Show how you can use this concept to better explain the role of “effective intervention” for conflict resolution. What is “s” and what is “F” in this case? Start with opinion x (from member X) and opinion y (from member Y) and apply *f(x)* & *f(y)*, with scale factor *s* & show what happens after a few iterations, knowing s<1. Also discuss what happens when s>1 & what cases it.