

## Fibonacci Jump Set Spiral Challenge Questions

Create a 9 jump set Fibonacci sequence (you can use an [8 jump version](#) as a starting point then add a jump).

1. For what value of  $n$  would you have an *almost polygon* with Fibonacci sides?
2. Which jump in the jump set produces partial diameters when  $n = 14$ ? Why is this the case?
3. What other values of  $n > 9$  produce images with partial diameters? Why is this the case?
4. What value of  $n$  creates needles using the last two jumps in the jump set? Which vertex is the start of that needle?