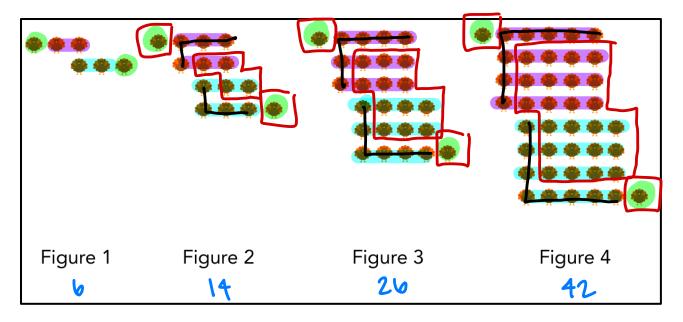
Turkey Trot



Figures 1-4 of a visual sequence of turkeys are shown.

1. How do you see the pattern growing?

1 see an "L" being added to the top t bottom of the previous pattern and the corner turkey being cut off and then re-added.

2. What would Figure 5 look like? Can you determine the number of turkeys in Figure 5 without counting them one by one?

b across, 5 down, 1 corner, men duplicated.

3. How many turkeys would be in Figure 10?

Figure 10 has
$$2(10(11)+1) = 222$$
 turneys

4. How many turkeys would be in Figure n? Show how your expression connects to the visual.

Math Medic

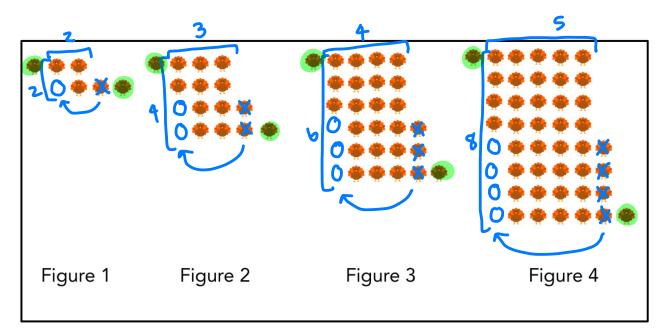


Figure n has (n+1)(zn) + 2 turkeys

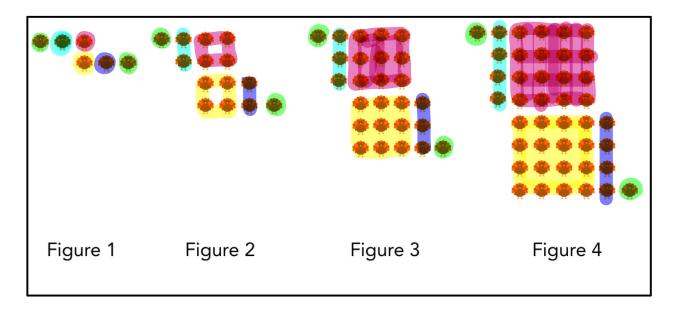


Figure n has $2n^2 + 2n + 2$ turkeys