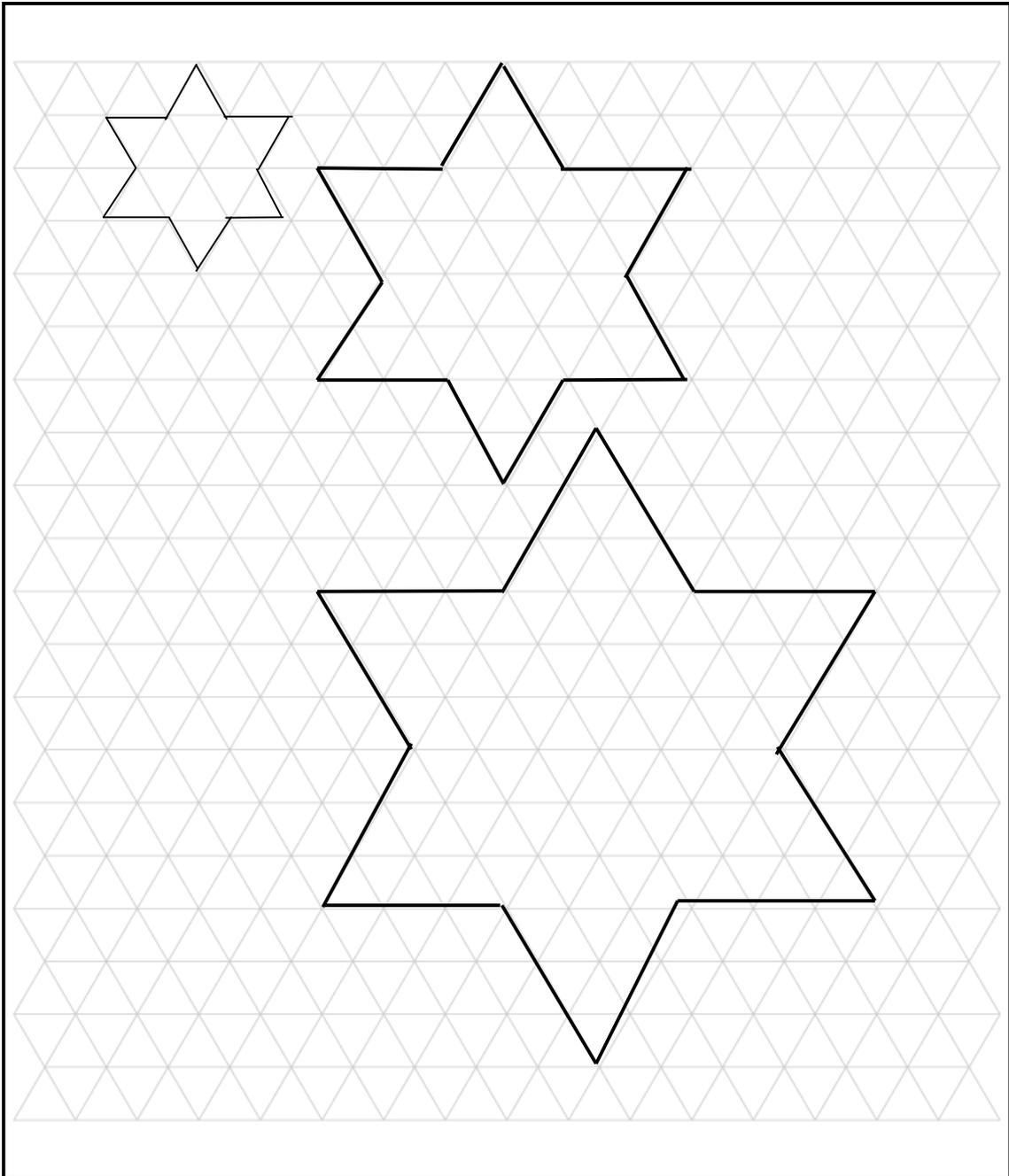


Investigation 14

Islamic Pattern

Stars:

How are the stars growing?



Investigate this and find a rule to explain this growth.

Find the area of the first star and use your rule to predict the area of the other stars in the sequence.

- What would be the area of the 5th star, the 10th star in the sequence?
- What would be the area of the 'n' star in the pattern?
- Write an equation to show this.