

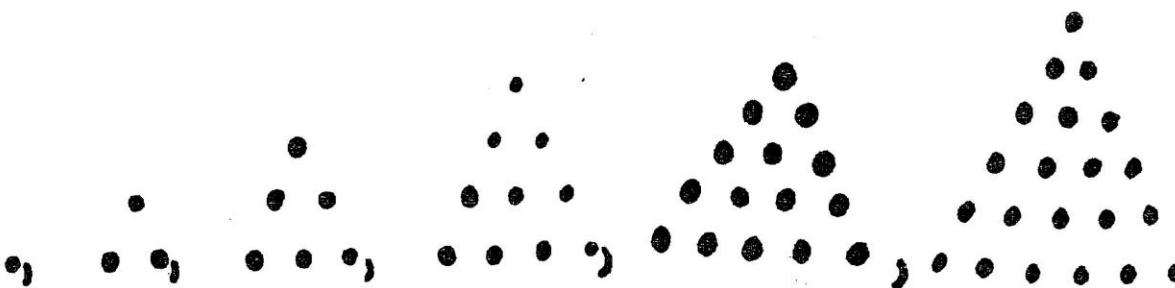
The number of dots in each square forms a sequence of numbers. Write the first 10 terms in this sequence:

____, _____, _____, _____, _____, _____, _____, _____, _____, _____

Describe the pattern:

THE TRIANGLE SEQUENCE

Extend this dot pattern to two more triangles:



The number of dots in each triangle forms a sequence of numbers. Write the first 10 terms in this sequence:

____, _____, _____, _____, _____, _____, _____, _____, _____, _____

What is the pattern?

Add pairs of numbers that are next to each other in the sequence. What do you notice?