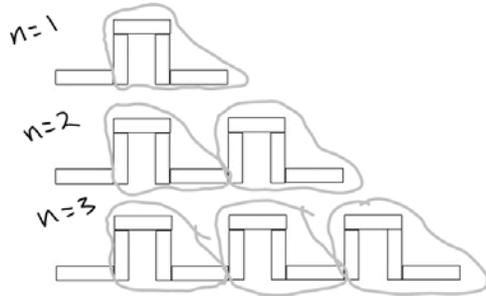More patterns and multiplication   name:_____
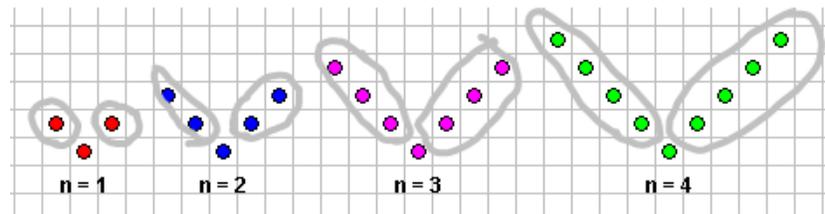
1. A student has looped sets in the pattern below as shown. What does their organization show?
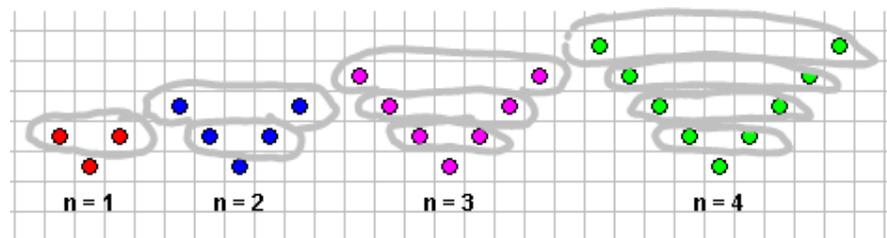
_____ groups of _____

n=1

n=2

n=3

2. A student has looped sets in the pattern below as shown. What does their organization show?
A student has looped sets in the pattern below as shown. What does their organization show?
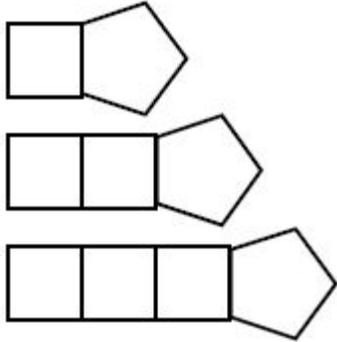
_____ groups of _____

n = 1   n = 2   n = 3   n = 4

3. A student has looped sets in the pattern below as shown. What does their organization show?

_____ groups of _____

n = 1   n = 2   n = 3   n = 4

4. In the pattern below, we are looking for the number of line segments at each step. Find a geometrically simple way of putting loops around groups of segments to show the multiplication part of the pattern. Explain the multiplication part of your pattern in a ___ groups of ___ sentence. Explain any added parts of your pattern.

5. In the pattern below, we are looking for the number of dots at each step. Find a geometrically simple way of putting loops around groups of dots to show the multiplication part of the pattern. Explain the multiplication part of your pattern in a ___ groups of ___ sentence. Explain any added parts of your pattern.