

**SECTION**  
**1A**

**Ready to Go On? Skills Intervention**

**1-1 Numbers and Patterns**

Numbers in a series sometimes follow a pattern. This means there is a consistent method to get from one number to the next in a sequence. For example, in the series 1, 2, 3, 4, 5..., you would add 1 to the previous number to find the next number.

**Identifying and Extending Number Patterns**

Identify a possible pattern. Use your pattern to write the next three numbers.

**A.** 1, 3, 5, 7, 9, \_\_, \_\_, \_\_, ...

3 is \_\_\_\_\_ 1.

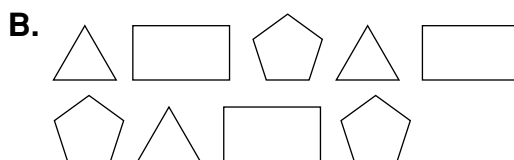
So a possible pattern is to \_\_\_\_\_.

Test this pattern on the other numbers.

$3 + \underline{\quad} = \underline{\quad}$ ,  $5 + \underline{\quad} = \underline{\quad}$ ,

$7 + \underline{\quad} = \underline{\quad}$ .

Use this pattern to continue and get the next three terms, \_\_\_\_\_.



Identify the order in which the shapes are repeated. A pattern is

\_\_\_\_\_

The next three terms are

\_\_\_\_\_

**Using Tables to Identify and Extend Patterns**

Make a table that shows the number of diamonds in each figure. Then tell how many diamonds are in the 6<sup>th</sup> figure of a pattern.

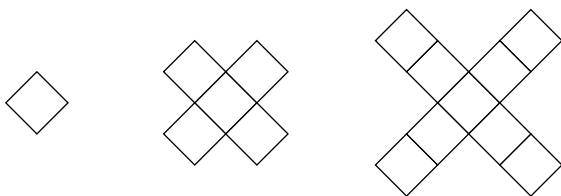


Figure 1

Figure 2

Figure 3

Count the diamonds in each figure. Find the difference in number of diamonds between Figures 1 and 2. Is it the same as the difference between Figures 2 and 3? \_\_\_\_\_

Figure	1	2	3	4	5	6
Diamonds	1	5	9	_____	_____	_____

A pattern is to \_\_\_\_\_ diamonds each time.

Figure 4 has  $9 + 4 = \underline{\quad}$  diamonds

Figure 5 has  $\underline{\quad} + 4 = \underline{\quad}$  diamonds.

Figure 6 has  $\underline{\quad} + 4 = \underline{\quad}$  diamonds.