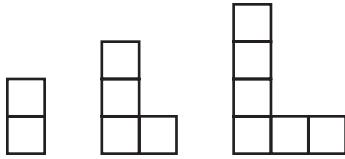# Geometric Patterns

Like number patterns, geometric patterns can have figures that grow. To extend geometric patterns follow the same steps as you would for number patterns.

Below is a pattern of squares.

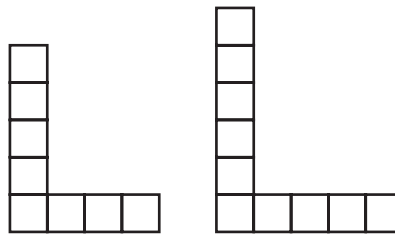| Number of Figure	1	2	3	4	5
Number of Squares	2	4	6		

Step 1

Look at the pattern. See how the figure has changed.

Each figure grows by 1 square in height and 1 square in width.

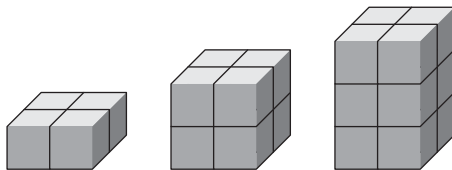Each figure grows by 2 squares.

Step 2

Make the next two figures.

Step 3

Fill in the table.

Number of Figure	1	2	3	4	5
Number of Squares	2	4	6	8	10

Draw the next two towers in the pattern. Use grid paper.
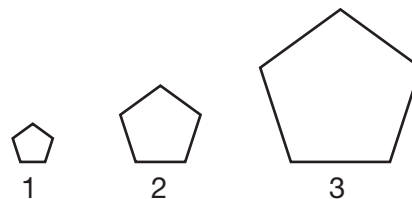Find the missing numbers in each table.

1.

Number of Stories	1	2	3	4	5
Number of Blocks	4	8	12		

2.

Length of Sides	1	2	3	4	5
Sum of All Sides	5	10	15		

1   2   3

3. Number Sense If there were 10 stories in Exercise 1, how many blocks would there be? Explain.