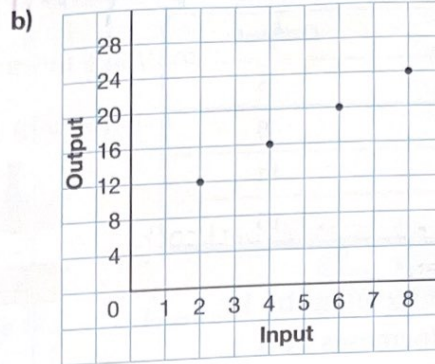
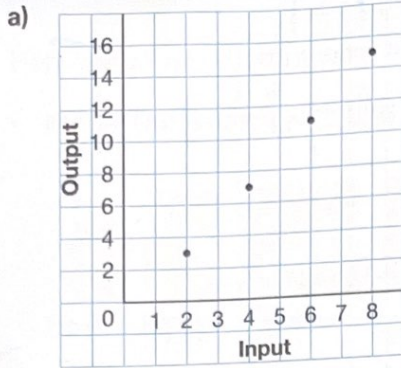


3. For each graph, make an Input/Output table.



4. Use grid paper.

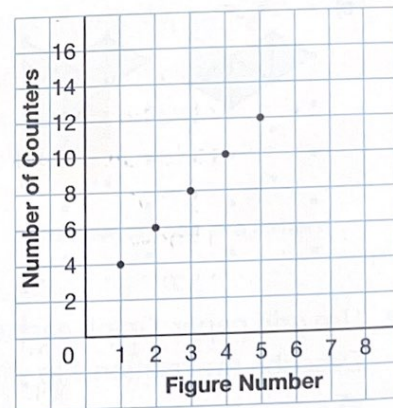
- Graph the data in the table.
- Describe the relationship shown on the graph.
- Write an expression to represent the pattern.
- Find the number of shapes in the 8th figure.
What strategy did you use?
Could you use the same strategy to find the number of shapes in the 18th figure?
Explain.

Figure Number	Number of Shapes
1	1
2	6
3	11
4	16
5	21

5. Use grid paper.

- Make a table.
Record the figure number and the number of counters in a figure.
- How does the graph represent the pattern?
- Find the number of counters in the 7th figure.
Describe the strategy you used.
- How many counters are in the 23rd figure?
Describe the strategy you used to find out.

Number of Counters in a Pattern



Reflect

Describe some of the different ways you can represent a pattern.
Which way do you prefer? Why?