

Practice

- Kilee builds model cars. She needs 4 plastic wheels for each car she builds.
 - Make a table to show the number of wheels needed for 1, 2, 3, 4, and 5 cars.
 - Write a pattern rule that relates the number of cars to the number of wheels.
 - Write an expression to represent the pattern.
 - Find the number of wheels needed to build 11 cars. How can you check your answer?



- For each table of values, write an expression that relates the input to the output.

a)

Input	Output
1	0
2	2
3	4
4	6
5	8

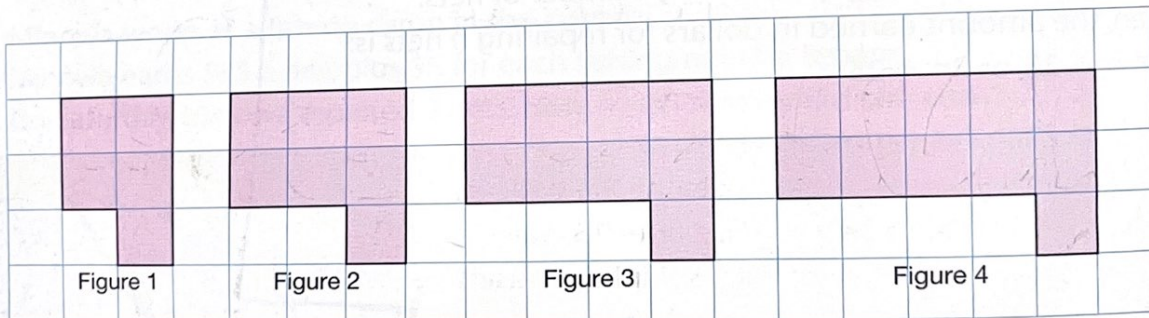
b)

Input	Output
1	5
2	8
3	11
4	14
5	17

c)

Input	Output
1	2
2	6
3	10
4	14
5	18

- Here is a pattern of squares on grid paper.



- Make a table to show the numbers of squares in the first 4 figures.
- Write a pattern rule that relates the figure number to the number of squares.
- Write an expression to represent the pattern.
- Find the number of squares in the 7th figure. Which strategy did you use? Continue the pattern to check your answer.