

1.8 Look for a Pattern

Ex) Each student on a committee of 5 students shakes hands with every other committee member. How many handshakes will there be in all?

Person	1	2	3	4	5
Shakes with:	2, 3, 4, 5	3, 4, 5	4, 5	5	

10 Handshakes

Reteaching 1-8 Look for a Pattern

Margarita learned to dig clams over her vacation and got steadily better at finding clams each day. On the first day she found 2 clams, on the second day 5 clams, and on the third day 8. If she continued to improve at the same rate, how many clams did she find on the sixth day?

Make a table to organize the numbers. Then look for a pattern.

Day	1	2	3	4	5	6
Clams	2	5	8	11	14	17
More Than Day Before	0	3	3	3	3	3

Margarita found 17 clams on the sixth day.

Phillipe got steadily better at playing ping pong on his vacation. The table shows the number of games he won the first three days. If he continued to improve at the same rate, how many games would he win on the sixth day?

1. Complete the table.

Day	1	2	3	4	5	6
Games Won	3	5	7	9	11	13
More Than Day Before	0	2	2	2	2	2

2. Solve the problem.

13 games

Jennifer improved her bike riding distance steadily while preparing for a race. The table shows the distance in miles she rode during the first three weeks of training. If she continues to improve at the same rate, how many miles will she be able to ride in the sixth week? How many more miles did she ride in week 6 than she rode in week 5?

3. Complete the table.

Week	1	2	3	4	5	6
Miles Traveled	3	4	6	9	13	18
More Than Week Before	0	1	2	3	4	5

4. Solve the problems.

18 miles for week 6

5 more miles for week 6