

Problem Solving: Make a Table and Look for a Pattern

Unger Soda hired 20 testers to try their new celery soda. Seven of the testers did not like the taste of the new soda. Suppose that pattern continues. If 100 people were hired in all, how many would **NOT** like the taste of the soda?

Make a table. Then write the information that you know. Find a pattern to extend the table until you find the results for 100 testers.

Doesn't Like	7	14	21	28	35	Increases by 7.
Total Testers	20	40	60	80	100	Increases by 20.

So, 35 people out of 100 will not like the taste of the Unger's celery soda.

Complete each table to solve.

- Ms. Lee is buying bags of mixed dumplings. There are 40 dumplings in each bag. In each bag are 10 pork dumplings. If Ms. Lee buys 200 dumplings, how many will be pork dumplings?

Pork Dumplings	10				
Total Dumplings	40				

- Packages of mixed socks contain 8 pairs of socks. In each package, there are 5 pairs of white socks. How many pairs of white socks would there be in 40 pairs of socks?

Pairs of White Socks	5				
Total Pairs of Socks	8				

- Look for a Pattern** Look back at Exercise 2. What pattern do you see?

- Write a Problem** Write a problem that can be solved by making a table and using a pattern. Then solve the problem.
