

Problem-Solving Strategy: Find a Pattern

1. Mr. Henry’s car now has 65,000 miles on it. Its estimated value is \$1,200. At 75,000 miles, the estimated value drops to \$1,100. At 85,000 miles, the estimated value drops to \$1,000. If the pattern continues, what will the car’s estimated value be at 105,000 miles?



What is the question?



How can finding a pattern help you solve the problem?

Use the table to organize the data given in the problem.

Mileage			
Value			

What patterns do you notice in the table?



What is the solution?



How can you check your answer?

2. The car wash Mr. Henry uses gives 1 free wash every 5th wash. If Mr. Henry has his car washed each week for a year, how many free washes will he get for the year? Remember that there are 52 weeks in a year.
