

# Lesson 1 Homework Practice

## *A Plan for Problem Solving*

Use the four-step plan to solve each problem.

1. At a school bookstore, a ballpoint pen costs \$0.28 and a notepad costs \$0.23. What could you buy and to spend exactly \$0.74?
2. At soccer practice, each player must kick the ball to every other player present at least once. If there are 17 players at practice, what is the minimum number of kicks required?
3. Mr. Jasper asked his neighbor, Mark, to feed his cat each day while he went on a two-week vacation. Suppose Mr. Jasper offered Mark two payment options. The first option would pay Mark \$5 per day up front. The second option would pay \$0.01 the first day, then double the pay each day for two weeks. He would pay this option when he returned. Which option should Mark choose?
4. Use the following clues to find the secret number.  
I am a 3-digit number.  
All of my digits are odd.  
I am less than 600.  
I am greater than 400.  
If you add my digits you get 15.  
My last digit is 7.  
What am I?
5. Paula has \$25 to spend at the mall. After shopping, she counts her money and finds she has \$2.65 left. How much money did Paula spend at the mall.
6. Find the next term in the pattern 1, 3, 9, 27, 81, ... .
7. Miguel started an exercise program that has him swim 8 laps each day during the first week. Each week he adds 2 laps to his routine. In which week will he swim 20 laps each day?
8. The formula for area of a parallelogram is  $A = bh$ , where  $A$  is the area,  $b$  is the length of the base, and  $h$  is the height. A parallelogram with a height of 8 centimeters, has an area of 24 square centimeters. What is the length of the base of the parallelogram?