

1-1 Practice

Using a Problem-Solving Plan

Solve each problem.

- 1. RETAIL** At a school bookstore, a ballpoint pen costs \$0.28 and a notepad costs \$0.23. What could you buy and spend for exactly 0.74?
- 2. SOCCER** 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. MONEY** 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. NUMBER THEORY** 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?

Find the next term in each list.

5. 9, 13, 17, 21, 25, ...

6. 88, 86, 84, 82, 80, ...

7. 0, 7, 14, 21, 28, ...

8. 3, 6, 12, 24, 48, ...

GEOMETRY Draw the next figure in each pattern.

9. ● ■ ▲ ● ● ■ ■ .

10. ● ●● ●●●