

# Chapter 1 Review

## Treasure Hunt

For the Math Club party, Mitch plans a treasure hunt for the members. Each clue is a math problem. All of the clues together spell out the name of the treasure.

### Find each clue.

- One step in the four-step problem-solving plan involves looking at your answer carefully and seeing if it fits the facts in the problem. What is the name of this step? For Clue 1, use the first letter of this word.
- Evaluate this expression using the order of operations.  

$$20 \div 4 + 1(6 - 1) + 3(4)$$
- Find the area (in square inches) of a parallelogram with a base of 4 inches and a height of 5 inches.

### For Clues 4–6, find the value of each expression.

- $2^4 - 3$
- $5(t - s) + r$  if  $t = 7$ ,  $s = 6$ , and  $r = 4$
- $3^3 - 4^2$
- Solve the equation  $\frac{t}{5} = 3$  mentally.
- Find the next number in this pattern.  
 1 2 3 1 1 2 2 3 3 1 1 1 2 2 2

To discover what the treasure is, make each numbered clue from 2 to 26 into a letter by using the corresponding letter of the alphabet, so  $2 = B$ ,  $3 = C$ , and so on, down to  $26 = Z$ . Remember that you found the letter for Clue number 1 in Exercise 1 above.

Write the letters in the blanks that correspond to the numbers of the clues to read the name of the treasure.

Clue:    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_  
           4        7        2        5        1        3        5        8        6        1        3

Answers are located on page 112.