

# Problem-Solving Application: Interpret Remainders

**Problem** There are 30 fire inspectors and 8 stations in the Spring Hill Fire Department. Each month, the department assigns an equal number of inspectors to each station. The rest of the inspectors are on call. How many inspectors are assigned to each station?

**UNDERSTAND**

1. What do you know?

\_\_\_\_\_

**PLAN**

2. What should you do to solve this problem?

\_\_\_\_\_

\_\_\_\_\_

**SOLVE**

3. Use words from the problem to describe each part of your division sentence.

Dividend: \_\_\_\_\_

Divisor: \_\_\_\_\_

Quotient: \_\_\_\_\_

\_\_\_\_\_

Remainder: \_\_\_\_\_

**LOOK BACK**

4. Write a question about the fire inspectors for which the remainder is the answer.

\_\_\_\_\_