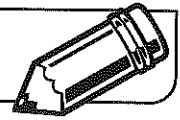**LESSON 4·7** | **Solving for Unknown Quantities**

For each number story:

♦ Draw a situation diagram.

♦ Fill in the numbers. Write a ? for the unknown quantity.

♦ Write a number sentence with ☐ for the unknown.

♦ Solve the problem.

Example:

Fran bought a bag of 14 marbles from a game store. She added them to her collection. She now has 47 marbles. How many marbles did she have before she bought more?

Total	
47	
Part	**Part**
14	?

Diagram

Number sentence: $14 + \square = 47$

Solution: $\square = 33$

1. It was 68° when Nadine left for school. By lunchtime, it was 75°. By how many degrees had the temperature gone up?

Number sentence: _____

Solution: _____

2. Michael wants to buy a milkshake. With tax, it costs $3.92, and he has $3.43. How much more money does he need?

Number sentence: _____

Solution: _____

3. Lora bought 5 packages of pencils. Each package had 12 pencils in it. How many pencils did she buy in all?

Number sentence: _____

Solution: _____

4. Make up a problem of your own on the back of this page.