**LESSON 8-1**

# Writing Two-Step Equations

*Practice and Problem Solving: A/B*

**Model each two-step operation by drawing algebra tiles.**

1. $3m + 5 = 8$

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2. $-2x - 3 = 5.$

   _____

**Write an equation to represent each problem.**

3. The sum of fifteen and six times a number $t$ is eighty-one. What is the number?

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4. An electrician charges $40 to come to your house. She also charges $55 for each hour that she works. The electrician charges you a total of $190. How many hours does the electrician work at your house? Use $h$ for the number of hours.

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5. A taxi charges $1.75 plus a fee of $0.75 for each mile traveled. The total cost of a ride, without a tip, is $4.75. How many miles is the trip? Use $m$ for the number of miles traveled.

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