LESSON 8-1

Writing Two-Step Equations

Practice and Problem Solving: D

Model each two-step equation by drawing algebra tiles.
The first one is done for you.

1. $2p + 3 = 7$

2. $3t + 10 = 16$

3. $-q - 3 = 7$

Write an equation for each word problem. The first one is
done for you.

4. The sum of three times a number d and 5 is 17. What is the number?

$$3d + 5 = 17$$

5. As a membership fee, a health club charges a one-time amount of $40 and charges $25 for each month. The total fee after m months is $240. What is the value of m?

6. A runner warms up for ten minutes and then takes seven minutes to run each mile. The total time after r miles is 45 minutes. How many miles are run?