EXAMPLE 5 Write and solve an equation

BIRD MIGRATION A flock of cranes migrates from Canada to Texas. The cranes take 14 days (336 hours) to travel 2500 miles. The cranes fly at an average speed of 25 miles per hour. How many hours of the migration are the cranes *not* flying?

Solution





▶ The cranes were not flying for 236 hours of the migration.

GUIDED PRACTICE for Example 5

7. WHAT IF? Suppose the cranes take 12 days (288 hours) to travel the 2500 miles. How many hours of this migration are the cranes *not* flying?

3.3 EXERCISES



 = WORKED-OUT SOLUTIONS on p. WS1 for Exs. 17 and 39
= TAKS PRACTICE AND REASONING Exs. 18, 36, 41, 44, and 45
= MULTIPLE REPRESENTATIONS Ex. 42

SKILL PRACTICE

- **1. VOCABULARY** What is the reciprocal of the fraction in the equation
 - $\frac{3}{5}(2x+8) = 18?$
- **2.** WRITING *Describe* the steps you would use to solve the equation 3(4y 7) = 6.

EXAMPLE 1 on p. 148 for Exs. 3–11

ANOTHER WAY

You can also begin solving the equation by

dividing each side of

the equation by 25.

COMBINING LIKE TERMS Solve the equation. Check your solution.

3. $p + 2p - 3 = 6$	4. $12v + 14 + 10v = 80$	5. $11w - 9 - 7w = 15$
6. $5a + 3 - 3a = -7$	7. $6c - 8 - 2c = -16$	8. $9 = 7z - 13z - 21$
9. $-2 = 3y - 18 - 5y$	10. $23 = -4m + 2 + m$	11. $35 = -5 + 2x - 7x$