Name Date

Enrichment and Extension

3.5

Solving Equations with Fractions

1. If you multiply each term by this number, the equation  will contain no fractions. What number could this be?

2. Are there other numbers you can multiply by to rewrite the equation in Exercise 1 without fractions? Explain.

3. What number do you think is best to use at the multiplier? Explain.

4. Why can you multiply each term and not change the solution of the equation?

5. Describe to someone how to rewrite an equation with fractions so that   
there are no fractions left in it.

6. Solve each equation by rewriting it without fractions first.

a.  b. 

c.  d. 

e.  f. 